



EUROPEAN PHOTONICS
INDUSTRY CONSORTIUM



EPIC AGM & SUMMIT 2024

16-18 April 2024. Juan Les Pins, Nice, France

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Schedule

Monday, 15 April 2024

19:00 Pre-event dinner for participants to company visit + cluster meeting + EPIC BoD
(location: AC Hotel by Marriott Ambassadeur Antibes – Juan les Pins)

Tuesday, 16 April 2024

EPIC AGM Annual General Meeting (EPIC-MEMBERS ONLY)

09:00-12:00 EPIC BoD meeting (on invitation only)

09:00-12:00 Cluster meeting (on invitation only)

09:30-12:30 Company visit to Thales Alenia Space (fully booked on-invitation)

12:00-13:30 Registration & Networking Lunch & Exhibition

13:30 Welcome by Basil Garabet, CEO, NKT Photonics, and President of EPIC –
European Photonics Industry Consortium

13:45 Annual Activity Report 2023 presented by the EPIC Marketing Team

13:55 Upcoming activities presented by the EPIC Technology Team

14:15 Voting approval of EPIC financial accounts 2023 + Auditor report

14:30 – 15:15 Session Advocacy (EPIC-MEMBERS ONLY)

14:30 Elizabeth Illy, Head of Marketing, HÜBNER Photonics (Sweden) –
Embracing Sustainability – Where do we start?

14:45 Talk on HR + Day of Photonics

15:00 Markus Wilkens, Head of Operations, Photonics21 (Germany)

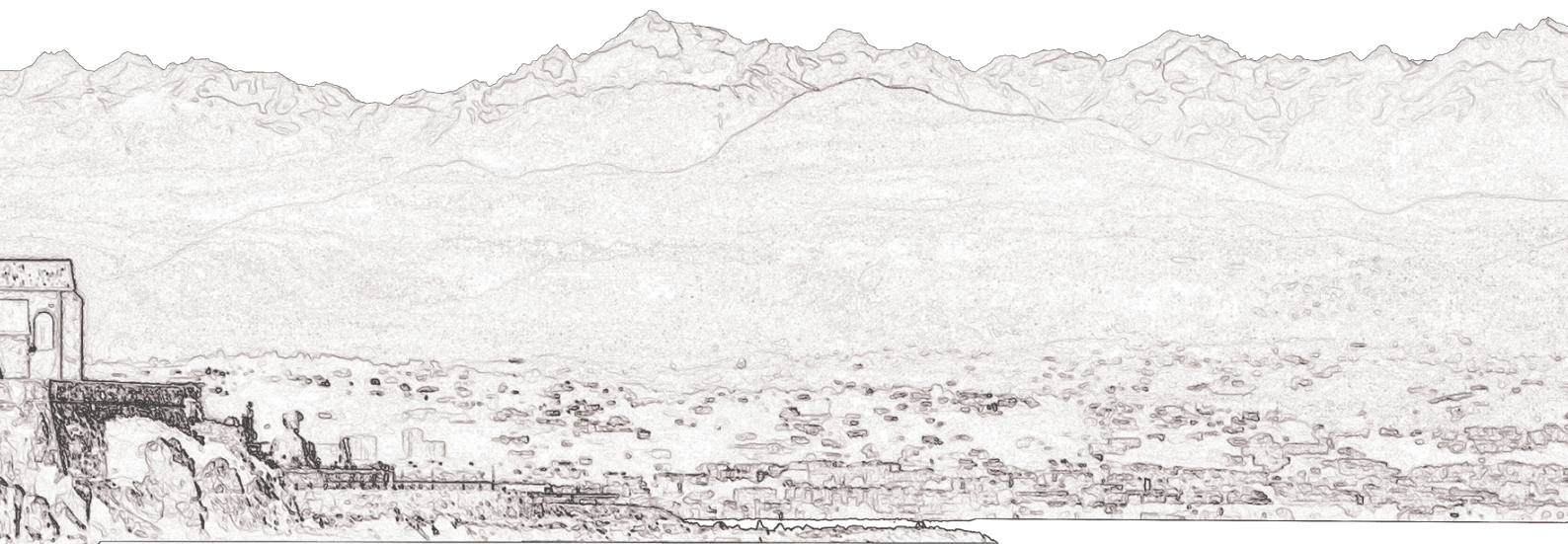
15:15 – 16:30 Networking Coffee Break & Exhibition



Schedule



- 16:30 – 18:00** **Session Entrepreneurship, Technology, Innovation, and Competitiveness (EPIC-MEMBERS ONLY)**
- 16:30** Berthold Schmidt, CTO, TRUMPF (Germany) – Short Pulse Lasers: From Tin Droplets to Secondary Sources
- 16:50** Axel Kupisiewicz, CEO, LASEA (Belgium) – From Idea to Business: an Entrepreneurial Path to Success in the Laser Processing Industry
- 17:10** Michael Heuken, VP Advanced Technologies, Aixtron (Germany) – 40 years of innovation: lessons learned in epitaxial technology and related business
- 17:30** Eicke Weber, Chair European Solar Manufacturing Council, Former Director Fraunhofer ISE, Prof. Emeritus UC Berkeley, (Germany) talk on Photovoltaic manufacturing competitiveness
- 17:50** Closing Remarks by Carlos Lee
- 18:00** EPIC SUMMIT OPENS – ALL PARTICIPANTS WELCOME
- 18:00-21:00** Networking Dinner all participants
- 21:00-22:00** (optional) FUN Night – a session where entrepreneurs share stories about the challenges and setbacks they've encountered in the journey of growing their businesses. Individuals discuss their missteps, setbacks, and failures openly and honestly.



Schedule

Wednesday, 17 April 2024

- 06:55** Gather at Palais des Congrès
- 07:00-08:15** Run/Walk 45 minutes and Breakfast @ Le ruban Bleu Juan-Les-Pins (you are expected to participate!)
- 08:30-09:30** Registration & Networking Coffee Break & Exhibition
- 09:30-11:00** **EPIC SUMMIT Market Track**
- Welcome by Carlos Lee, Director General, EPIC
 - Andrew Brown, Senior Director, SPIE (USA/Global) – Global Market Trends in the Photonics Industry
 - Claire Valentin, Chief Strategy Officer, Exosens (France) – Photonics Market – Dynamics, Opportunities and Challenges
 - Benoît d’Humières, Partner, Tematys (France) talk on Market Trends in Photonics
- 11:00-12:00** Networking Coffee Break & Exhibition
- 12:00-13:00** **EPIC SUMMIT Business Track I**
- Sanjai Parthasarathi, Chief Marketing Officer, Coherent (USA) talk on Market opportunities for Lasers
 - Chris Yates, Partner, Vision Ventures United Kingdom/Germany) talk on Market Trends in Vision industry
 - Thomas Plees, Senior Director Strategic Sourcing & Procurement, ASML (Netherlands) talk on Sourcing suppliers
- 13:00-14:30** Networking Lunch & Exhibition
- 14:30-16:00** **EPIC SUMMIT Business Track II**
- 14:30** • Jennifer Cable, President, Thorlabs (USA) talk on Photonics, Sustainability
- 14:50** • Jean Schmitt, Managing Partner, Jolt Capital (France) talk on Innovation & Investment
- 15:10** Ownership Models panel discussion:
- Ingolf Cedra, Managing Director, Hübner (Germany) talk on Investment
 - Chantal Germain, Head of Photonics Division, HEF Groupe (France) talk on Investment
 - Georg Draude, General Manager, Chroma Technology (Germany) – Peter Pan Optical
- 15:50** PITCHING SESSION companies looking for investment (short 1-2 minutes pitch)
- 16:00** EPIC CEO Award 2024
- 16:15-17:30** Exhibition
- 17:45** Buses to dinner venue @ IT Villaggio
- 18:00-22:00** Networking Dinner + Return by bus

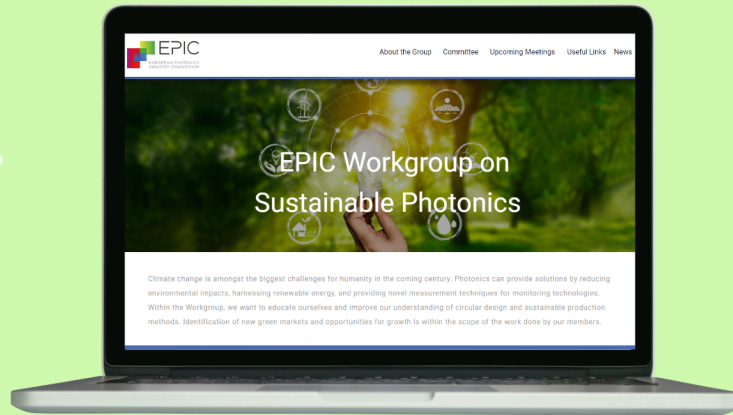
Thursday, 18 April 2024

- 07:00-07:30** Swim (optional) in front of Le Café de la Plage
- 08:00-09:00** Welcome Coffee & Exhibition
- 09:00-10:30** **EPIC SUMMIT Technology Track I**
- Sir David Payne, Professor, University of Southampton (United Kingdom)
– The Hollow-core Fibre Revolution: Nothing is Better than Silica!
 - Arvind Patel, CEO, SLTL (India) talk on Laser
 - Tomotaka Katsura, Senior Manager of Solid State Laser Development Section, Laser System Department, Mitsubishi Electric (Japan) talk on Lasers
 - Benjamin Bernard, Application Engineer, DISCO HI-TEC Europe talk on Semiconductor
- 10:30-11:30** Networking Coffee Break & Exhibition
- 11:30-13:00** **EPIC SUMMIT Technology Track II**
- Gareth Hesketh, Group Leader – EO Technologies, MBDA (United Kingdom) talk on Defense
 - Philippe Chanclou, Team Manager Fixed Access Networks, Orange Labs (France) talk on Datacom
 - Pim Kat, CEO, Amazec Photonics (Netherlands) talk on Medical
 - Jacob Riis Folkenberg, VP Technology, FOSS Analytical (Denmark) talk on Food and Agriculture
 - Closing Remarks by Carlos Lee, Director General, EPIC
- 13:00-15:00** Networking Lunch & Exhibition
- 15:00** END OF EPIC SUMMIT 2024
- 15:00-19:00** Social Programme (optional, additional payment required). Pétanque & Aperitif of Provence at Mougins Village (includes bus transportation).

Exhibitors



OUR
Sustainability website
IS NOW LIVE!



<https://ac.epic-photonics.com/sustainability>



TALK TO ONE OF THE EPIC TEAM MEMBERS IF YOU ARE INTERESTED TO JOIN THE GROUP OR CHECK OUT THE WEBSITE FOR MORE INFO!

EPIC Online Marketing Meeting: Social Media II - Special focus on B2B companies

12 June 2024. 15:00 - 17:00 CET

Join this meeting to better understand why LinkedIn offers precision targeting despite its higher cost, and learn how to decide the best targeting approach for Photonics related companies. Our experts will also answer a variety of questions that our audience will have sent previously, like AI applications for Social Media.



www.jobs-in-photonics.com

NEW

Publish your job vacancies and internships!

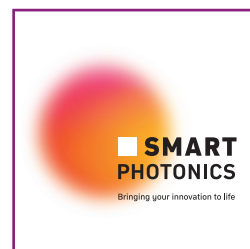
Trust the world's largest website for jobs in photonics.

Are you experiencing a talent shortage in photonics? At EPIC, we adopt a collaborative approach to support you. Join our HR Workgroup meetings to discuss challenges with fellow members and benefit from expert insights.

EPIC HR Partners:



This initiative is sponsored by:





EPIC Members Delegation Trips 2024

- 22 - 26 April | Yokohama, Japan
- 2 - 6 September | Mumbai, India
- 5 - 9 November | Taipei, Taiwan



Upcoming EPIC activities

EPIC Online Technology Meeting on Quantum Communication
22 April 2024. Online Event

EPIC Technology Meeting on Photonics for AgriFood Industry – Enlightening the Future at DigiFoods
24-25 April 2024. Oslo, Norway

EPIC Market Report on Raman Technologies by Tematys
29 April 2024. Online Event

EPIC Members New Product Release April
30 April 2024. Online Event

EPIC Online Technology Meeting on Photonics for Thin Films Fabrication and Characterization
13 May 2024. Online Event

EPIC Technology Meeting on Photonics for XR: through emerging technologies and challenges at Microsoft
27-28 May 2024. Espoo, Finland

EPIC Online Technology Meeting on Photonics for Vision and Eye Research
3 June 2024. Online Event

EPIC Technology Meeting on Photonic Integration and Packaging at Fraunhofer IZM
4-5 June 2024. Berlin, Germany

EPIC Technology Meeting on Specialty Optical Fibers: New Designs and Novel Applications at Photonics Bretagne
12-13 June 2024. Lannion, France

EPIC Online Technology Meeting on Photonics for Sea Exploration and Oceanography
1 July 2024. Online Event

EPIC Members Delegation to Taiwan
2-6 September 2024. Taipei, Taiwan

EPIC Online session – Membership Benefits Information & Update
9 September 2024. Online Event

Scan, Register, Connect



Participants



Name		Job Title	Company	Country
Adele	Morisset	CTO - Cofounder	AeroDIODE	France
Adrian	Mahlkow	Managing Director	OpTecBB	Germany
Albert	Hasper	CEO	PHIX	The Netherlands
Albert	Borreman	Managing Director	Demcon Focal	The Netherlands
Aldas	Juronis	CEO	EKSPLA	Lithuania
Alessandro	Greborio	CEO	Lithium lasers	Italy
Alessio	Corazza	Business Development Manager	Saes Getters	Italy
Alexander	Guggenmos	CEO	UltraFast Innovations	Germany
Alexander	Mityashin	Executive Director	Labbet Advice	Belgium
Alexandre	Chikhaoui	Sr. Director Business Development	X-Celeprint	Ireland
Alexey	Gayoso de los Santos	CEO	Maiman Electronics	Serbia
Alexis	Liagre	Sales Director EMEA	Edmund Optics	France
Amir	Eldad	Managing Director	A2E Partners	USA
André	Richter	General Manager	VPIphotonics	Germany
André	Fougères	CTO	INO	Canada
Andreas	Bürger	CEO	BBW Lasertechnik	Germany
Andreas	Weinert	CEO	Weinert Industries	Germany
Andreas	Umbach	CEO	AUCCEPT	Germany
Andrei	Andryieuski	CTO	LD4B	Lithuania
Andrés	Cifuentes	CEO	ASE Optics	Spain
Andreu	Llobera	Head of Photonic systems	Silicon Austria labs	Austria
Andrew	Brown	Senior Director	SPIE	USA
Andrew	Blain	Managing Director	Photonic Solutions	United Kingdom
Andris	Anspoks	Director	Institute of Solid State Physics	Latvia
Anke	Odouli	Exhibition Manager	Messe München	Germany
Anna	Dambrauskiene	CEO	EssentOptics	Lithuania
Anna	Mårtensson	Marketing Manager	EPIC - European Photonics Industry Consortium	Sweden
Anna	Trachtova	Marketing Manager	EPIC - European Photonics Industry Consortium	Czech Republic
Anna-Maija	Kärkkäinen	Research Manager	VTT	Finland
Annemiek	Chall	Optical Engineer	SPIO Systems	Denmark
Annie	Geoffroy	Chairwoman of the Executive Office	RIBER	France
Annie	Dallaire	Vice President Business Development	C2MI	Canada
Antanas	Laurutis	CEO	Altechna	Lithuania
Antoine	Dubrouil	CEO	Femto Easy	France

Participants



Name		Job Title	Company	Country
Antonino	Nespola	Senior Researcher	LINKS FOUNDATION	Italy
Antonio	Castelo	Technology Manager	EPIC - European Photonics Industry Consortium	Spain
Antony	Matsepa	Head of Strategic Initiatives	ATLANT 3D	Denmark
Antti	Sunnari	CEO	Dispelix	Finland
Ardan	Füssmann	Sales Director Photonics Solutions EMEA	Ushio Germany	Germany
Armando	Zecchi	Executive Managing Director	Tecnoservizi	Italy
Armin	Renneisen	Managing Director & CSO	Iradion Laser	Germany
Arnolds	Ubelis	Senior Researcher, Science manager, leader of NSP FOTONIKA-LV	Natinal Science Platform FOTONIKA-LV	Latvia
Arvind	Patel	CEO	SLTL	India
Audrey	Le Lay	Sales and Marketing Manager	Imagine Optic	France
Axel	Kupisiewicz	CEO	LASEA	Belgium
Axel	Schönbeck	CEO & Co-Founder	Noisy Labs	Germany
Badre	Kerzabi	CEO	SOLNIL	France
Barbara	Buades	CEO & Co-founder	MEETOPTICS	Spain
Basil	Garabet	President and CEO	NKT Photonics	Denmark
Beate	Sauter	CEO	Lumics	Germany
Benjamin	Bernard	Senior Application Engineer	DISCO	Germany/Japan
Benoît	d'Humières	Partner	TEMATYS	France
Bernd	Ludwig	Manager Lab Buildings Adlershof	WISTA Management	Germany
Bernd	Meyer		Photonic Valley Dortmund	Germany
Bernold	Richerzhagen	President & CEO	Synova	Switzerland
Berthold	Schmidt	CTO	TRUMPF	Germany
Björn	Dymke	Managing Director	TRUMPF Laser	Germany
Bo	Pedersen	CEO	Bifrost Communications	Denmark
Brigitte	Loiseaux	Senior Expert in EM for Optics & Antennas	Thales	France
Bruno	Gross	Vice President	Thorlabs	Germany
Cara	Gau	Business Developer	Leverage Technology	The Netherlands
Carlos	Viana	CEO	ICON Photonics	France
Carlos	Lee	Director General	EPIC - European Photonics Industry Consortium	Belgium
Carolin	Münzberg	CFO & Co-Founder	Photonics Precision Engineering	Germany
Celia	Millon	CEO and Founder	RayVen	Germany
Chantal	Germain	Head of Photonics Division	HEF Groupe	France
Charlotte	Minter	Operations Director	ECOC	United Kingdom

Participants



Name		Job Title	Company	Country
Chris	Yates	Partner	Vision Ventures	United Kingdom
Christian	Bosshard	Managing Director	Swissphotonics	Switzerland
Christian	Velez	CEO	Exalos	Switzerland
Christian	Thiel	Director & Co-Founder	Insight Technology Search	France
Christoph	Sieber	CEO	Sill Optics	Germany
Claire	Valentin	Chief Strategy Officer	EXOSENS	France
Claudia	Hoessbacher	CEO	Polariton Technologies	Switzerland
Claudio	Meli	CEO / CFO	WZWOPTICAG	Switzerland
Claus	Heitmann	CEO	TOPTICA Eagleyard	Germany
Colin	Overton	Managing Director	Knight Optical	United Kingdom
Dainius	Tumosa	CEO	EKSMA OPTICS	Lithuania
Daisy	Wu	CEO	Dayoptics	China
Dana	Synakova	General Manager	Sylex	Slovakia
Daniel	Vasseur	Managing Director	Schott	France
Daniel	Petters	CEO	Cycle	Germany
David	Rogers	Director	Nanovation	France
David	Gillett	CEO	Laser 2000 (UK)	United Kingdom
David	Hurley	Head of European Funding Initiatives	Tokyo Electron Europe	United Kingdom
David	Mechin	Director	Photonics Bretagne	France
David	Payne	Professor	University of Southampton	United Kingdom
Djordi	Van Beek	Business Manager	Orion Engineering	The Netherlands
Dominique	Bonnisseau	CEO	PHOTONIKBIZ	France
Dominique	Lupinski	CEO	Cristal Laser	France
Dorota Anna	Pawlak	President	Ensemble3	Poland
Edward	Zhang	General Manager	Zolix Instruments	China
Edwin	Wolterink	CTO	Anteryon	The Netherlands
Eelko	Brinkhoff	CEO	PhotonDelta	The Netherlands
Eicke	Weber	Chair European Solar Manufacturing Council	European Solar Manufacturing Council	Germany
Elad	Volfin	CRO	Monocrom	Spain
Elina	Koistinen	Executive Director	European Optical Society	Finland
Elisenda	Lara	Marketing Manager	EPIC - European Photonics Industry Consortium	Spain
Elizabeth	Illy	Head of Marketing	HÜBNER Photonics	Sweden
Emil	Tymicki	Chief of Laboratory	Ensemble3	Poland
Emma	Harvey	Commercial Director	ECOC	United Kingdom
Eric	Rosas	Presidente	Clúster Mexicano de Fotónica	Mexico

Participants



Name		Job Title	Company	Country
Eric	Lindner	CEO	FBGS Technologies	Germany
Erwin	De Baetselier	CEO	Luceda Photonics	Belgium
Eugen	Bärwald	Area Sales Manager	MPS Micro Precision Systems	Switzerland
Eugene	Hohlov	R&D Director / Co-owner	I-Photonics	Lithuania
Evaldas	Stralkus	CEO	QS Lasers	Lithuania
Ewit	Roos	General Partner	PhotonVentures	Netherlands
Eyal	Cohen	CEO	CogniFiber	Israel
Filip	Lugovic	Co Founder	The Right Street	Belgium
Florent	Deux	CEO	Polytec France	France
Florent	Thibault	CEO	QiOVA	France
Florian	Döring	CEO	XRnanotech	Switzerland
Florian	Blobner	Chief Product Officer	Photona	Germany
Florian	Emaury	CEO	Menhir Photonics	Switzerland
Francesco	Pessolano	CEO	Astrape Networks	The Netherlands
Francois	Coursaget	General Manager	New Imaging Technologies	France
Frank	Lison	CEO	TOPTICA Projects	Germany
Frank	Lerch	VP Business Development	EPIGAP OSA Photonics	Germany
Frédéric	Nicaise	Director	Opto	France
Gareth	Hesketh	Group Leader - Electro-Optic Technologies	MBDA	United Kingdom
Gareth	Moore	Software Developer	RP-Photonics	Switzerland
Gediminas	Raciukaitis	Head of Department of Laser Technologies	FTMC - Center for Physical Sciences and Technology	Lithuania
Georg	Draude	General Manager	Chroma Technology	Germany
Gerald	Silberer	Regional Sales Manager	EV Group (EVG)	Austria
Giacomo	Benvenuti	President	3D-Oxides	France
Gijs	Brienen	Sales engineer	Mintres	The Netherlands
Gintas	Slekys	CEO	Workshop of Photonics	Lithuania
Glenn	George	CEO	Bay Photonics	United Kingdom
Goran	Karanovic	Head of Digital Marketing and Social Media	The Right Street Digital	Belgium
Gordon	Harling	CEO	CMC Microsystems	Canada
Grégoire	Bagnoud	Business Development Director	MPS microsystems	Switzerland
Guido	Perrone	President	Alite	Italy
Guillaume	Adam	CEO	OPTOPRIM Group	France
Guillaume	Basset	FA Manager Photonics	CSEM	Switzerland
Guy	Ear	Chairman	OptoSigma	France
Heinz	Seyringer	CEO	V-Research	Austria

Participants



Name		Job Title	Company	Country
Henrik	Madsen	CEO	SPIO Systems	Denmark
Henrik Skov	Andersen	CEO	Ibsen Photonics	Denmark
Hiro	Yokoi	President	ISUZU Glass	USA
Hiroshi	Sawano	Executive Director	Optoelectronics Industry and Technology Development Association (OITDA)	Japan
Hou	Richard	Operations Vice President	SwiRoc	Taiwan
Iain	McKenzie	Senior Engineer	ESTEC, European Space Agency	The Netherlands
Ingolf	Cedra	Managing Director	Hübner	Germany
Ivan	Nikitski	Technology Manager	EPIC - European Photonics Industry Consortium	France
Iwano	Takuji	Chief Manager of Functional Film Development	Tanaka Kikinzoku	Japan
Jacob	Riis Folkenberg	VP Technology	FOSS Analytical	Denmark
Jan	Hendrik Peters	Owner	bmbg consult	Germany
Jan	Jakubczyk	CEO	Optiwave Systems	Canada
Jan	Meise	CEO	AMS Technologies	Germany
Jan	Stensborg	CEO	Stensborg	Denmark
Jan	Werschnik	CEO	Photonics Precision Engineering	Germany
Jan	Kischkat	Co-Founder and CEO	Quantune Technologies	Germany
Jangsun	Kim	CEO	Panoptics	South Korea
Jaroslaw	Sar	Doctor of Philosophy, Functional Materials Technology Laboratory	Ensemble3	Poland
Jean Louis	Guyaux	Technical Director	RIBER	France
Jean-Christophe	Eloy	CEO	Yole Group	France
Jean-François	Vinchant	President & CEO	SEDI-ATI Fibres Optiques	France
Jean-Louis	Gentner	CEO	Almae Technologies	France
Jennifer	Cable	President	Thorlabs	USA
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Jessica	van Heck	Managing Director	Photonics4	Switzerland
Jim	Somers	CEO	Eblana Photonics	Ireland
Jimena	Garcia-Romeu	CEO	Alcyon Photonics	Spain
Joachim	Ludwig	CEO	COLANDIS	Germany
Joerg	Ehehalt	CEO	Avenir Photonics	Germany
Joerg	Brueck	Director	W3+ Fair	Germany
joey	van Doesburg	Category strategy manager	ASML	The Netherlands

Participants



Name		Job Title	Company	Country
Johan	Pejnefors	CEO	Proximion	Sweden
Johannes	Koeth	CEO	Nanoplus Nanosystems and Technologies	Germany
Johannes	Pfund	CEO	Optocraft	Germany
John	Jost	CEO	Enlightra	Switzerland
John	Lambkin	Managing Director	Firecomms	Ireland
John	Golub	CEO	Groove Laser	Israel
Jonas	Leuermann	Head of Engineering	Bioherent	Spain
Jorge	Blasco Claret	CTO	photonicSENS	Spain
Jorge Julián	Sanchez Martinez	Sales & Business Development Senior	KERDRY	France
Junghun	Ryou	Space Business Development Team / Director	Green Optics	South Korea
Justine	Massip	Events Manager	EPIC - European Photonics Industry Consortium	France
Jürgen	Breitlow	CTO	PicoQuant	Germany
Jyri	Hamalainen	Director, Head of Product Management & Marketing	Emberion	Finland
Kalaga	Madhav	Section Head Astrophotonics	Leibniz Institut für Astrophysik Potsdam	Germany
Kamil	Pierściński	Infrared Photonics Research Group Leader	Łukasiewicz - Inst. of Microelectronics and Photonics	Poland
Katharina	Zeuner	Optics Specialist	Eclipse Optics	Sweden
Keming	Du	CEO	EdgeWave	Germany
Kim	Hansen	CCO	NKT Photonics	Denmark
Kim Hai	Sim	Industry Development Manager	LUX Photonics Consortium	Singapore
Kirill	Kanbekov	Associate	Renevo Capital	United Kingdom
Kishore	R Kotaria	Director	Optics and Allied Engineering	India
Kolja	Haberland	CTO	LayTec	Germany
Kotaro	Kodama	Senior Manager	AGC	Germany
Krishna	Kumar	Head of Technology	Avirata Defence Systems	India
Kristina	Ananiciene	Executive Director	Lithuanian Laser Association	Lithuania
Lalit	Kumar	Managing Director	Laser Science Services India	India
Laurent	Ropert	Deputy Managing Director	ISP System	France
Laurent	Samama	Managing Partner	Jolt Capital	France
Leendert-Jan	Nijstad	Managing Director	PhotonFirst	The Netherlands
Leon	Hol	Managing Director	NTS Optel	The Netherlands
Lidia	Briquets	Programme Manager	EPIC - European Photonics Industry Consortium	Spain

Participants



Name		Job Title	Company	Country
Li-Yang	Chiang	President	Dendrite Precision	China
Lluis	Torner	Director	ICFO	Spain
Lukas	Ceizaris	CMO	OPTOMAN	Lithuania
Lutz	Aschke	CEO	Photonics Systems	Germany
Madhav	Pulipati	CEO	Photonics Valley Corporation	India
Maik	Müller	CEO	Nynomic	Germany
Makoto	Nishimura	Senior Marketing Manager	Nippon Electric Glass	Germany
Maksym	Plakhotnyuk	CEO and Founder	ATLANT 3D	Denmark
Marc	Büsing	CSO	IMM Photonics	Germany
Marco	Zanola	Technical Director	AFE	United Kingdom
Marco	Mayer	Strategic Business Development Manager	Hamamatsu Photonics	Switzerland
Marek	Kotelnicki	Managing Partner	VIGO Ventures	Poland
Marius	Šemeta	CEO	3photon	Lithuania
Mark	Elliot	COO	Europa Science	United Kingdom
Mark	Kuijpers	Sales & Marketing Director	Lobre	Italy
Markus	Wilkens	Head of Operations	Photonics21	Germany
Markus	Bartram	CEO	PicoLAS	Germany
Markus	Riedi	CEO	Opto	Germany
Martin	Roth	Senior Astronomer	Leibniz Institute for Astrophysics Potsdam	Germany
Martin	Hovestadt	CEO	Jüke Systemtechnik	Germany
Martin	Schell	Executive Director	Fraunhofer HHI	Germany
Martin	Weinacht	Managing Director	Edmund Optics	Germany
Martina	Pagani	COO	Lithium Lasers	Italy
Martynas	Barkauskas	CEO	Light Conversion	Lithuania
Mateusz	Nowak	CCO	Noctiluca	Poland
Mathieu	Carras	CEO	mirSense	France
Matthew	Beebe	Vice President of Sales	Photonics Media	United States
Matthias	Gamp	CEO	EPIGAP OSA Photonics	Germany
Michael	Wheeler	Editor In Chief	Photonics Media	United States
Michael	Rotschädl	CEO	Mountain Photonics	Germany
Michael	Kissner	CEO	Akhetonics	Germany
Michael	Heuken	Vice President Advanced Technologies	AIXTRON	Germany
Michal	Golias	Sales Manager	Sylex	Slovakia
Michal	Nejbauer	CEO	Fluence	Poland
Michel	Pastoor	Sales Manager	NTS Optel	The Netherlands

Participants



Name		Job Title	Company	Country
Mikko	Juntunen	CEO	EIFys	Finland
Myun-Sik	Kim	Principal Strategic Business Development	Axetris	Switzerland
Nakatsuka	Daisuke	R&D Engineer of Functional Film Forming Materials	Tanaka Kikinzoku	Japan
Nazanin	Shafiee	Director of Strategy and Business Development	Avantes	The Netherlands
Newton	Frateschi	Full Professor	University of Campinas	Brazil
Nick	Martin	Managing Director	Advanced Fibreoptic Engineering	United Kingdom
Nick	Werstiuk	CEO	Quantum Valley Ideas Lab	Canada
Nicolas	Bonod	Editor in Chief	Photoniques	France
Nicoletta	Casanova	CEO	FEMTOprint	Switzerland
Niels	Jansen	Manager Engineering	Etteplan	The Netherlands
Nigel	Hunton	CEO	Intevac	USA
Nils	Fahrbach	CEO	Printoptix	Germany
Nikolajus	Gavrilinas	CEO	Litilit	Lithuania
Nikta	Jalayer	Director Business Development - Performance Automation	Physik Instrumente	USA
Nobuyuki	Akiyama	Sales Engineering Manager	Tanaka Kikinzoku	Japan
Odaka	Hidefumi	Leader of Industry-Academia-Government Collaboration Team	AGC	Japan
Oleksii	Ilchenko	CEO	Lightnovo	Denmark
Oliver	Dreissigacker	Editor in Chief	Wiley	Germany
Oliver	Grass	CEO	inno-spec	Germany
Oliver	Prochnow	CEO	VALO Innovations - A Part of Hübner Photonics	Germany
Olivier	Fontaine	Business Development Manager	Lambda-X	Belgium
Olivier	Dupont	CEO	Lambda-X	Belgium
Pascale	Nouchi	Managing Director	III-V Lab	France
Patrick	Leisching	CTO	iThera Medical	Germany
Patrick	Paul	CEO	Photona	Germany
Patrik	Lundstrom	CEO	Obducat	Sweden
Paul	Hartmann	Director of Institute	JOANNEUM RESEARCH	Austria
Paulo	Marques	Professor	INESC TEC	Portugal
Pekka	Laiho	Chief Business Officer	OptoFidelity	Finland
Per	Karlsson	CEO	NorthLab Photonics	Sweden
Peter	Collins	Technical Director	Laser 2000	United Kingdom
Peter	Kirkegaard	CEO	IMT Masken und Teilungen	Switzerland

Participants



Name		Job Title	Company	Country
Peter	Fendel	CTO	Thorlabs	USA
Peter	Skovgaard	CSO - Chief Scientific Officer	Norlase	Denmark
Petr	Tuma	CEO	MTR2 Technology	Czech Republic
Petteri	Uusimaa	Founder & CTO	Modulight	Finland
Philipp	Vorreau	Designated General Manager	EXALOS	Switzerland
Philippe	Chanclou	Team Manager Fixed Access Network	Orange	France
Philippe	Miclotte	CTO	Arcelormittal	Belgium
Philippe	Babin	CEO	AEPONYX	Canada
Philippe	Bolle	CEO	Boltic	Belgium
Pierluigi	Freni	Project Manager	LIFTT	Italy
Pieter	Kramer	CEO	Laser 2000	The Netherlands
Pim	Kat	CEO	Amazec Photonics	The Netherlands
Poul	Svensgaard	CEO	Delta Optical Thin Film	Denmark
Pu	Jian	Vice President Product Management & Partnerships	CAILABS	France
Ravikiran	Saripalli	Sr. Researcher & Lead of Light Communication Division	Technology Innovation Institute	UAE
Rawad	Chammas	Manager Tech Transfer	WISTA Management	Germany
Reinhard	Voelkel	CEO	Focuslight	Switzerland
René	Louwers	Managing Director	Orion Engineering	The Netherlands
René	Ronchetti	CEO	Posalux	Switzerland
Reza	Dowlatshahi	Director of R&D	National Research Council Canada	Canada
Rob	Voorkamp	CEO	SCIL Nanoimprint Solutions	The Netherlands
Robert	van Tankeren	CEO	inPhocal	The Netherlands
Robert	Harrison	Managing Partner / Intellectual Property Attorney	SONNENBERG HARRISON	Germany
Robin	Hassell	CEO	Acqiris	Switzerland
Roger	Artigas	President & CTO	Sensofar	Spain
Rolando	Ferrini	Chief Regional Officer & Head of FEMTOprint Neuchâtel	FEMTOprint	Switzerland
Ross	Stanley	CSO	4K-MEMS	Switzerland
Roy	McBride	Managing Director	PowerPhotonic	United Kingdom
Rüdiger	Paschotta	Managing Director	RP Photonics	Switzerland
Samuel	Poulain	General Manager	Le Verre Fluoré	France
Samuel	Bucourt	CEO	Imagine Optic	France
Samuel	Sadoulet	CEO	Edmund Optics	USA
Sanjai	Parthasarathi	Chief Marketing Officer	Coherent	USA

Participants



Name		Job Title	Company	Country
Santiago	Royo	Director	UPC-CD6	Spain
Sarunas	Vaskelis	CEO	Direct Machining Control	Lithuania
Sascha	Lohse	Chief Innovation Officer	Finetech	Germany
Sawyer	Ge	Director, Sales & Marketing	Optiwave	Canada
Scott	Jordan	Head of Photonics	PI	USA
Sebastien	Ermeneux	CEO	AeroDIODE	France
Seiya	Matsumoto	Sales Manager	HOYA Corporation Optics	Japan
Selina	Casutt	Managing Director Innovation Booster Photonics	Swissmem	Switzerland
Sergei	Tsarev	CEO	Astrum LT	Lithuania
Sergii	Denega	Industrial Strategy Manager	ASML	The Netherlands
Shahida	Imani	CEO	Singular Photonics	United Kingdom
Shengdi	Huang	CEO	Wavelength Opto-Electronic	Singapore
Shibin	Jiang	CEO	AdValue Photonics	USA
Siddam	Ramakrishna	General Manager	Optics and Allied Engineering	India
Simon	andrews	Executive Director	Fraunhofer UK Researc	United Kingdom
Sonal	Agrawal	CEO	Laser Science Services India	India
Sonja	Pfeuffer	Head of Global Marketing	Heidelberg Instruments Mikrotechnik	Germany
Stefan	Weber	CEO and Co-Founder	Phaseform	Germany
Stefan	Steiner	CTO	LightTrans	Germany
Stephan	Prinz	Product Manager	DELO Industrial Adhesives	Germany
Stephane	Duval	CEO	ARDOP Industrie	France
Stéphane	Bussa	CCO	LASEA	Belgium
Steven	Goetstouwers	CEO	Admesy	The Netherlands
Sven	Kiontke	CEO	asphericon	Germany
Sven	Schreiber	CEO	Laser Components	Germany
Sven	Rüger	CEO	Innolume	Germany
Swee Chuan	Tjin	Professor	Nanyang Technological University	Singapore
Sören	Meyer	Sales Manager	FerroTec	Germany
Søren Helmer	Rasmussen	Sales Director	Delta Optical Thin Film	Denmark
Tadas	Lipinskas	CEO	Optogama	Lithuania
Taras	Lisouski	Head of Business Development	EssentOptics	Lithuania
Theodor	Nielsen	CEO, founder	NILT	Denmark
Thierry	Emeraud	Business Development Manager	Lambda-X	Belgium
Thierry	Georges	CEO	Oxxius	France

Participants



Name		Job Title	Company	Country
Thomas	Dietrich	CEO	IVAM	Germany
Thomas	Plees	Senior Director Strategic Sourcing & Procurement	ASML	Netherlands
Thomas	Pearsall	Founder	EPIC - European Photonics Industry Consortium	France
Thomas	Ladstätter	Senior Manager Business Development	Silicon Austria Labs	Austria
Thomas	Gädda	CTO	PiBond	Finland
Thomas	Renner	President / CSO	TOPTICA Photonics	Germany
Thomas	Plees	Senior Director Strategic Sourcing & Procurement	ASML	The Netherlands
Tolga	Tekin	Group Manager	Fraunhofer IZM	Germany
Tomotaka	Katsura	Sr. Manager of Solid State Laser Development Section	Mitsubishi Electric	Japan
Ton	Backx	CTO	Amazec Photonics	The Netherlands
Torsten	Wipiejewski	Director and Business Development Manager	Huawei Technologies	Germany
Torsten	Vahrenkamp	CEO	ficonTEc	Germany
Udo	Fetzer	Key Account Manager	OFS	Germany
Ulrich	Tobiasch	Sales Manager	JX Metals	Germany
Ulrike	Fuchs	VP Strategy & Innovation	asphericon	Germany
Ulrike	Helfferich	COO	EPIC - European Photonics Industry Consortium	Germany
Ursula	Keller	Professor in Physics	ETH Zurich	Switzerland
Uwe	Linss	Director of Sales EMEA	FOCUZ Manufacturing	Germany
Viacheslav	Artyushenko	President & Founder	art photonics	Germany
Vicente	Calvo Alonso	CEO	Comptek Solutions	Finland
Vijay Ramya	Kolli	Business Development Manager	SUSS MicroTec	Germany
Volker	Raab	CEO	Raab-Photonik	Germany
Volker	Sinhoff	Managing Director	ELEMENT 3-5	Germany
Werner	Kruesi	Swissmem Photonics Chairman	Swissmem Photonics	Switzerland
Willem-Jeroen	Mednera	Director Business Development	CLEAR	The Netherlands
Wolfgang	Gries	Member of Advisory Board	art Photonics	Germany
Wolfgang	Wieser	CEO	Optores	Germany
Xiao	Tang	Director	Mintres	The Netherlands
Yasuhisa	Odani	Deputy Director	Optoelectronics Industry and Tech. Dev. Association	Japan
Yolanda	Stabel	Sales Engineer	INNOCISE	Germany

Biographies & Company Descriptions



3D-oxides develops and manufacture new oxide thin films materials for a wide range of applications in the fields of microelectronics, photonics and integrated optics, bio-compatible coatings, security coatings (Physical Unclonable Functions) and renewable energy among others. With regards to our competitors, we have several main assets. We can list:

- Very high quality and uniform in thickness and composition (+/-1%) epitaxial materials even on very large surfaces (450 mm or 10x 4 μ m wafers)
- Multi-element and multifunctional coatings with up to 5 elements.
- Very powerful combinatorial approach enabling to manufacture a full library of materials or devices in a single batch.
- Additive growth (3D-Printing) with resolutions between 500 nm and 10 microns depending on the selected process particularly suitable to achieve PICs (Photonic Integrated Chips). We can pattern not only the thin film (selective deposition), but also the composition and the crystalline phase (functional properties).

This enables us to make very fast R&D and very flexible devices that could not be achieved otherwise. Among our developments are LiNbO₃ thin films of high quality with the possibility to scale to mass production. www.3d-oxides.com



Giacomo Benvenuti (CTO) received a diploma in experimental physics in 1996 at the Milan University of Physics and accomplished his Ph.D. thesis at the Institute of Applied Optics in EPFL in 2003. As a parallel entrepreneur, he is the founder of several companies such as ABCD Technology Srl (2006), 3D-Oxides (2008), and Socrate Industry (2008), companies involved in equipment manufacturing for thin film growth and development of oxide thin films nanomaterials with (laser-assisted) additive growth processes. Today, he is looking to incorporate two new companies. One, to produce LiNbO₃ thin films for a wide range of applications such as RF filters and integrated photonics or quantum applications and another to develop a new Web3 concept with more distributed/decentralized functionalities further than blockchains and DLTs to sustain more Trust between user-to-user interactions. Previously he has been involved in several job positions in SAES Getters, ST Microelectronics and Baverstam as internal consultant.



3photon team merges technical competencies and capabilities of key stages of optical component production, starting from optical glass and crystal polishing, continuing to coating process employing optimal coating technology and finalizing with precise characterization with particular emphasis on high precision and high-power optical products development. Long years of experience and expertise in optical thin film coatings, laser & non-linear crystals processing with products development for laser applications allow providing highest quality crystals, high damage threshold or complicate design optical components to our customers. www.3photon.com



Marius Šemeta (CEO) is the co-founder of 3photon with more than 20 years of experience in Laser Optics and Crystals components development. His working experience leads through a few largest Lithuanian Photonic Industry companies where he took various responsibilities as a manager for sales, new products development, and internal process improvement. Marius graduated from Vilnius University, Faculty of Physics, and holds an MSc in Laser Physics and Optical technologies. His deep knowledge of applications for crystals or optical components and technologies used in photonics allowed to start 3photon company in order to bring the best solutions for Laser Industry.



4K-MEMS - Too small to see, too bright to go unnoticed. 4K-MEMS was founded in Neuchâtel, Switzerland, in 2020 to develop broadband NIR and SWIR light sources for the consumer market, especially for portable spectroscopy. We are a fabless company with a strong IP portfolio dedicated to developing novel solutions for high volume applications. Our broadband infra-red sources are small, fast, efficient, and are packaged as SMDs for efficient integration into optical systems. www.4kmems.ch



Acqiris, headquartered in Geneva, Switzerland is a leader in the development of high-quality, high-speed signal acquisition & processing solutions for OEMs in the field of Swept-Source OCT, LIDAR, Fiber Sensing, Life Science, Ultrasonic, Medical Imaging, Commercial, Industrial and Research. Acqiris works with OEMs from the earliest stages of their product/project conception to volume manufacturing and through their products life cycle. With superior state of the art technology, dedicated application specific solutions, from low-end to high-end, addressing the needs of 8-bit to 14-bit depth and 250MS/s to 10GS/s sample rates, imagine what you can see! www.acqiris.com

ADMESY



Admesy provides customers with innovative test and measurement solutions tailored for colour and light measurement in production processes. It has been the mission of Admesy since the company was founded in 2006 to seek for stable, reliable and accurate measurement devices. Within a decade, Admesy successfully developed this mission statement and became a well-known brand for a range of user-friendly and robust light and colour measurement devices. The current product portfolio includes light meters, spectroradiometers, colorimeters and 2D imaging colorimeters as well as accessories like stabilized light sources and integrating spheres. In just over a decade, Admesy has grown with over 35 employees at offices in Europe and Asia and a worldwide network of distributors. Its headquarter with research & development and production facilities with high-end clean room is located in the south of The Netherlands, next to the European high-tech area of Eindhoven. Three service and support offices in Asia were set up to provide local support to Admesy's customers. www.admesy.com



Steven Goetstouwers (CEO) worked at NV Industriebank LIOF, a regional venture capital investor, before joining Admesy in late 2012. At LIOF, he was responsible for investments in high-tech early-stage start-up companies. During these 7 years, he was involved in more than 50 start-up ideas and companies. After graduation, Steven started working at the University Maastricht Business School where he helped starting entrepreneurs developing a solid business plan. Steven has a bachelor's degree in Business Engineering from Hasselt University and a master's degree in International Business from the Maastricht University.



AdValue Photonics is a leading manufacturer of innovative fiber lasers for materials processing, scientific, LIDAR, and medical markets. Founded in 2007, the company has a reputation for delivering groundbreaking products based on its proprietary fiber laser technology. We develop and manufacture products by focusing on innovation, high quality, and cost-effectiveness. Fiber lasers, fiber amplifiers, broadband fiber sources, and fiber-based components are the main lines of the products we offer to the market. www.advaluephotonics.com



Shibin Jiang (CEO) is founder and Chair of Board of AdValue Photonics Inc. and Adjunct Research Professor at College of Optical Sciences, University of Arizona. Dr. Jiang holds 87 issued patents, was awarded with the Gottardi Prize in 2005 from ICG, 2012 and 2014 R&D 100 Awards, and 2018 R&D 100 Award Finalist. He received the 2018 Corporate Technical Achievement Award and the Medal for Leadership in the Advancement of Ceramic Technology in 2021 and was named as The Global Ambassador in 2019 by the ACerS. Shibin is a Fellow of SPIE, ACerS, and Optica. He is elected as an academician of the World Academy of Ceramics in 2020.



AEPONYX develops advanced integrated photonics with MEMS products. Utilizing the next generation photonics material -Silicon Nitride, with the fastest MEMS devices in the industry, we bring innovative products to market. AEPONYX has extensive experience in developing advanced technology. And we have grown a team with vast and deep expertise in bringing products to market. This is all driven by our key values of Teamwork, Trust, and Technology. These values make it all possible. AEPONYX is a leader in integrated photonics with MEMS. www.aeponyx.com



Philippe Babin (CEO) holds a Bachelor's degree in Electrical Engineering and an MBA in Business Administration from the University of Sherbrooke. He began his career in 1994 as a Process Engineer with C-Mac Microcircuits Inc. There, Mr. Babin advanced in management positions, including Director of Substrates Manufacturing. He contributed to the 600% growth in revenues of one the most profitable business units of the EMS division, delivering millions of telecom products per year. He joined Mediatrix Telecom, a division of Media5 Corporation, in 2001, as Head of Research and Development. He continued his management growth through Product Line Management, Sales Engineering, Sales and Marketing, and finally being appointed as the General Manager. Philippe next started a Telecom and IT sales and marketing agency.



AeroDIODE is a company specialised in optoelectronics solutions for semiconductor devices such as laser diodes, AOMs (Acousto-Optic Modulators) or SOAs (Semiconductor Optical Amplifiers). AeroDIODE offers flexible solutions in the following 5 categories:

- Laser diode drivers: pulsed laser diode drivers, low noise laser diode driver, high speed laser diode driver, high power laser diode drivers
- Fiber-coupled Laser diode sources
- Fiber intensity modulators: fiber optic modulators and SOA pulsed drivers
- Synchronization electronics: pulse delay generator, pulse picker, digital delay generator
- Laser diode qualification test system and laser diode reliability test systems

AeroDIODE technology results from more than 12 years of innovation led by the founder team within the technological centre ALPhANOV. www.aerodiode.com



Sebastien Ermeneux (CEO) is a laser physicist. After a PhD on laser materials, he started his career in the telecom domain in 2000. He then worked within the laser diode manufacturer Alcatel Optronics (now 3SP). In 2007, he was part of the founding team of the technological center ALPhANOV where he led a business unit of 25 engineers and PhDs. In 2019, he decided, together with his colleague Adèle Morisset, to create the company AeroDIODE based on key technologies that he previously developed within ALPhANOV. AeroDIODE is now a major Scientific e-commerce player.



Adèle Morisset (CTO & COO) co-founded AeroDIODE in 2020 with Sebastien Ermeneux. Adèle graduated from an electronics & optics engineering school and a thesis with ALPhANOV and University of Bordeaux in 2013. She developed and managed projects on photonics systems like laser-based microscopy system but also on the development of electronic boards for driving photonic components. This opto-electronics expertise is now at the heart of AeroDIODE solutions.



Advanced Fibreoptic Engineering (AFE) has a strong history of innovative development and manufacturing capability in fibreoptics, optoelectronics, mechanics, software and electronics. The majority of our projects are custom developments, exclusively manufactured for each customer at varying volumes. Products range from the packaging and alignment of optical devices and components (WDM), to full turnkey sensing systems across a range of market sectors. Products and systems are manufactured at our world class, state-of-the-art facility based in Oxfordshire, UK. AFE is supplying and developing products and systems with leading companies in the defence, security, oil & gas, aerospace and test and measurement sectors. AFE also design and manufacture turnkey, 3 axis mechatronic systems which operate in harsh environments. www.afe-uk.com



Marco Zanola (Technical Director) joined the AFE board in 2019, taking over the responsibility of maintaining and expanding the technology portfolio of AFE. He holds a PhD in optoelectronic engineering on the topic of photonic integrated circuits for tunable mm-wave generation. He has a background in technology R&D and covered various scientific roles in leading universities (University of Pavia and University of Glasgow) and large corporation research labs (Sharp Laboratories of Europe). He is passionate about photonics and technology in general, over the years he developed a broad experience in optical systems and optical sensing for a variety of industries and applications. He led several hi-tech projects from conception to commercialization, for different applications and across all TRL stages.



Nick Martin (Managing Director) spent the early part of his career in the nuclear industry following a degree in physics at Cardiff University. He then spent around 7 years at the University of Oxford on the design of large particle physics experiments. This led to an interest in fibre optics for high density data experimental feed out, and a subsequent move into the commercial world. Nick formed AFE in 2005 and continues to support customers in unique and demanding applications.



AGC is a leading global company operating in the field of glass, chemicals, and high-tech materials. With a rich history spanning over a century, AGC is committed to innovation and delivering advanced solutions to a wide range of industries. AGC's expertise lies in the development and production of a diverse portfolio of products, including flat glass for automotive and architectural applications, specialty glass for electronic devices, chemicals for various industrial sectors, and high-performance materials for cutting-edge technologies. As a pioneer in the industry, AGC focuses on sustainable practices and strives to contribute to a more environmentally friendly society. Through continuous research and development, the company aims to create innovative solutions that address global challenges such as energy conservation, environmental preservation, and the enhancement of quality of life. With a global presence and a strong network of production facilities, research centers, and sales offices, AGC is dedicated to providing customers with high-quality products and services tailored to their specific needs. The company's commitment to excellence, technological advancements, and customer satisfaction has established AGC as a trusted and reliable partner in the global market. www.agc.com



Hidefumi Odaka (Leader of Industry-Academia-Government Collaboration Team, Technology General Division) started the career at AGC as a researcher. His expertise lies in applied physics, particularly in simulation and optical properties. He obtained a Ph.D. from the University of Tokyo. Within the company, he has primarily worked as a leader in the Dry Coating Technology Group, gaining experience in the development of optical-related products. Additionally, he has also served as a visiting professor at Nagoya University for approximately five years. Over the past three years, he has been involved in conducting technology and business trend research, focusing on Singapore and Southeast Asia, while engaging in collaborative projects with academia to gain international experience. At the end of last year, he returned to Japan and currently holds the position of the leader for industry-academia-government collaboration, where he is responsible for spearheading open innovation initiatives centered around academia.



Kotaro Kodama (Senior Manager) has a technical background in electronics and production engineering. studied at the University of Osaka, Japan and did master's thesis of artificial retina. Since then, he had worked for around 20 years in AGC with a wide range of experiences as a researcher, an inspection engineer for glass substrate of LCD panel in electronics business div., new business development regarding CASE in automotive business division. Now, he works based in Frankfurt, Germany as a mission of open innovation with European startups and academia in AGC's corporate R&D division.



AIXTRON is a provider of deposition equipment to the semiconductor industry. The company's technology solutions are used by a diverse range of customers worldwide to build advanced components for electronic and opto-electronic applications based on compound, silicon, or organic semiconductor materials, as well as polymers, carbon nanotubes, graphene and other nanomaterials. Such components are used in solid state lighting, fiber optic communication systems, wireless and mobile telephony applications, optical and electronic storage devices, computing, signalling and lighting, flat panel display applications, energy harvesting and storage as well as a range of other leading-edge technologies. www.aixtron.com



Akhetonics is creating the world's first all-optical XPU, a cross-domain processor for general-purpose, ultra-low power, high-performance computing. With our in-house developed photonic design automation tools and all-optical control flow we created a new platform, beyond the typical von Neumann architecture, designed specifically for photonics. We do this by uniquely combining the best of optical digital computing with optical analog computing and optical quantum computing. Furthermore, our photonic processors are created using a purely European supply chain, from fabrication to packaging, allowing for unmatched security in the high-performance computing domain. www.akhetonics.com



Michael Kissner (CEO) is the CEO of Akhetonics, a photonics start-up developing the first digital all-optical CPU. With over 15 years of experience in cyber security, Michael's focus has been on computer architectures and chip security, having held various positions in the field. He studied mathematical physics and received his PhD from the armed forces university in Munich, leveraging deep learning to develop novel methods in physical simulation.



Alcyon Photonics, EIC accelerator awarded, designs comprehensive modular photonics IP portfolio that enables customers to effectively develop unique applications. Alcyon masters different design techniques which enables to design robust, high bandwidth and low power Photonics IP cores

(PIP core \hat{a}). Alcyon also designs custom photonics circuits for customers, providing design and layout services combining foundries PDK with its own custom validated designs. Alcyon helps customers to shorten development time by accessing and developing circuit designs based on validated IP, adjusted to the fabrication process and rules. www.alcyonphotonics.com



Jimena Garcia-Romeu (CEO) is currently CEO to Alcyon Photonics a start-up which designs photonic integrated circuits (PICs). Alcyon design techniques include also SubWavelength Grating (SWG), which enables disruptive light management through metamaterial-like design, enabling robustness, low losses along wide bandwidth to serve customers in the field of communication or sensor. Prior to that Jimena's professional experience has taken place in the areas of business development, marketing, and strategy. Along her career at multinational companies such as Freenow, Telefonica, Huawei, Microsoft and Vodafone.



Alite is an Italian SME, specialized in the development of custom photonic devices, from one-of-a-kind prototypes to small-volume production. Alite is organized into two divisions, LASER and SENSING. ALITE/LASER focuses on high-power (VIS-NIR and hybrid) laser sources and beam management devices such as combiners and switches, mainly for research applications and the industrial and aerospace sectors. ALITE/SENSING develops innovative monitoring systems for civil, mechanical, environmental, and biomedical applications leveraging on fiber-optic sensor technology. www.alitegroup.eu



Guido Perrone (Co-founder and President of Alite and Professor at Politecnico di Torino) is professor of Optical Components at Politecnico di Torino (Turin's technical university, Italy). His research interests are in Photonics for industrial and biomedical applications. Guido is author of more than 200 papers and of the book "Fiber-optic sensors for biomedical applications" and designated as inventor in several patents on fiber sensors and lasers. Besides Alite, Guido has also been founder of other companies active in the field of Photonics.



Almae Technologies created as a spin-off of III-V lab, a joint lab of Nokia Bell Labs, Thales and CEA-Leti, entered into operation on January 29th 2016 thanks to an initial investment of Dalain Canglong Optoelectronics a subsidiary of Accelink Technologies. Since then, the company has built an end-to-end industrial R&D and Production platform for advanced InP chip fabrication based on proven photonic integration building blocks, objective being to exploit platform for chip and wafer fabrication to support Telecom/Datacom market growth. First products launched include a complete portfolio of 10/25/50/100G EML products, as well as HP-DFB and SOA chips customized for their integration on Si Photonics platforms. Almae Technologies is also offering specialized foundry services to partner companies in the field of InP chip manufacturing and is open to discuss with interested parties whatever the application field. www.almae-technologies.com



Jean-Louis Gentner (CEO and Founder) was previously Director and Administrator of III-V lab for Alcatel-Lucent (now Nokia) Bell Labs. In his career, he led research teams and many research projects in the field of Photonic Integration, being on InP or Silicon platform, and has taken active part in creating value with hardware innovation and transferring projects from R&D to production.

Altechna



Altechna is a Europe-based custom laser optics company with worldwide customers. The company employs 115+ talented minds and skilled professionals to develop complex technological solutions and custom-tailored designs for laser optics and optomechanical assemblies for serial production of the most powerful lasers in the industry. The laser applications are aimed at the leading industrial, medical, semicon, security and sensing customers across the globe. Our in-depth knowledge on dielectric coatings and optical designs allows our industrial customers to reconsider their laser geometries and achieve even higher peak levels of power or reduce the weight of commercial products. From test batch to mass production, the quality and repeatability of each product are assured at our metrology laboratory. Customers choose Altechna for premium quality and our in-house know-how. So, if your challenge involves anything from femtosecond to continuous-wave technology, we are here to support you with our innovative solutions. www.altechna.com



Antanas Laurutis (CEO) is the CEO of Altechna since 2019. He features strong technical expertise and academic background in optics, optical coatings, lasers, and laser applications. Antanas holds a BSc of Physics and Management of Modern Technologies and MSc in Laser Technologies from Vilnius University, Lithuania. He joined the company in 2012 and built his skills and career through different positions in sales until he was assigned CSO in 2016 leading an ambitious sales team. Throughout the years he gained extensive experience in complex technological solutions and outbound B2B sales. While being a key player at the company's top management team, Antanas significantly contributed to business development and implementation of the new strategy. His strong leadership and management led to outstanding sales results throughout recent years.

AMAZEC PHOTONICS



Amazec Photonics is a company developing and using Photonic Integrated Circuit (PIC) technology for the development of next generation medical equipment for the detection of cardiovascular diseases and distortions and an easy to use, patient friendly, non-invasive patented method for robust measurement of the Total Circular Thermal Blood Volume (CTBV). Amazec Photonics started in 2021 and was founded by two real pioneers in Integrated Photonics and Integrated Photonic Sensing (Ton Backx and Pim Kat) and two anesthesiologists (Erik Korsten and Arthur Bouwman). The blood temperature measuring system has a resolution of 0,0001 degree C and a precision of 0,0005 degree C, equals 1fm wavelength shift resolution and 0,0005fm precision, a value not reached by electronic sensors due to noise levels. Amazec Photonics aims for an acquisition by a large company in the field of cardiac equipment in 2028. www.amazec-photonics.nl



Pim Kat (CEO) started his career in 1982 at Sun Electric Systems developing and building automotive test equipment. In 1987, he moved to Hoogovens Research (steel plant) and became senior researcher in the field of robotics, control technology and computer controlled motion. In 1996, he co-founded Bihsca Systems and after a management buyout he build the Technobis Group. He extended the technology in optics and photonics combined with ultra-stable mechanics (mechanically and thermally). In 2010, he started experimenting on Integrated Photonics for sensing using chip sets based on InP, Si3N4 and SOI platforms. In 2012 he extended the capabilities of the group with packaging of PICs for many different applications (Telecom, Datacom, Lidar, FBG sensing, interferometry and many more). In 2019, he sold the majority of the shares of the Technobis Groep and co-founded Amazec Photonics.



AMS Technologies is a leading solution provider and distributor of high-tech, leading-edge components, systems and equipment, with almost 30 years of experience to date and currently serving more than 1000 European customers. Optical Technologies is our key competency field with the broadest and most widely varying product offering, ranging from optical components and systems for the most differing of applications, over cameras for machine vision and on to capital equipment for fiber optic applications. Coupled with our Thermal Management Engineering team focusing on Photonics cooling and temperature stabilization and our Power Technologies focus on Laser Drivers, TEC controllers and Power Supplies, we enable and create custom Photonics Solutions.

www.amstechnologies.com



Jan Meise (CEO) joined AMS in 2010. He drives the company's sales expansion plans, organically and inorganically, which resulted in the company's acquisition of Sweden based Azpect Photonics in 2012 with the financial backing of AMS's shareholders. Prior to joining AMS Technologies, Jan lived and worked for 9 years in Silicon Valley, USA. In his last position at Finisar, he was responsible for new markets, driving business cases and reviewing potential acquisition targets. As part of a small technical entrepreneurial team, he also co-founded a boot strapped start up funded by Angel Investments. Jan Meise is a former member of the EPIC Board of Directors.



Anteryon Optical Solutions designs and manufactures optical components and sub-assemblies. The company was founded in 2006 as a spin-off from Philips Electronics. Our vision is to be the preferred partner for Optical Solutions in BtB markets. Our core competences are clustered into three groups: replication of optical structures, structuring glass and ceramics, and assembly of complex modules. Our solution always starts with a challenge that centers around optics.

www.anteryon.com



Edwin Wolterink (CTO) started at Philips CFT Research after graduation at Eindhoven University of Technology, developing Metal Forming products and semi-conductor related processes. After 6 years, he started at BU Philips Key Modules / Hard Disk Drives where he developed and industrialized a new manufacturing processes. His interest in optics grew at Philips Optical Storage as project manager of OPU production line equipment development. In 2000, he started at Anteryon (former Philips Optics), and in 2001 started development of Wafer based produced optics. Having created the technology foundation of WaferOptics, mass production started in 2008. As CTO since 2013, he steers the technology roadmap for micro-optics based modules at Anteryon in Eindhoven.



ArcelorMittal

Arcelor Mittal Tailored Blanks is a part of Arcelor Mittal, the world's largest steel maker, serving the automotive business with tailor welded blanks. ArcelorMittal is a technology leader in advanced high-strength, galvanized and coated steels products that are used in the manufacturing of cars, vans and trucks. About one fifth of the global car production is made from ArcelorMittal steel, and we have an industrial presence in 22 countries spanning four continents. With our current catalogue of automotive products, we support carmakers in optimizing weight and cost, while reducing carbon emissions and, crucially, ensuring that stringent safety standards are met. ArcelorMittal also has a specialized business unit for tailored blanks by a manufacturing technology that improves the performance of car parts in a vehicle, offering an optimal combination of strength and ductility, reducing the weight, and improving crash performance.

www.automotive.arcelormittal.com/tailoredblanks



Philippe Miclotte (CTO) was the COO of AMTB EU & Asia from 2005 till 2016, with as main responsibility: to satisfy the customers' needs, in a cost effective manner. During this tenure he was instrumental in initiating and realising the product innovation and industrial transformation towards hot formed TWB's. Prior to that, he gained extensive experience in green-field projects on an international scale and plant management in multiple countries, always within the steel industry. In his current role, he is involved in making the Steelmaking process drastically less CO2 heavy. Philippe holds a Civil engineering (ir) degree from the Rijks Universiteit in Ghent (Belgium) and MBA from the Antwerp Business School. An avid reader with a wide scope of field of interest.



ARDOP INDUSTRIE Group: ARDOP Industrie, Engineering & Lighting are 3 sister companies with 2 facilities in Bordeaux & Toulouse.

- ARDOP Industrie acts as a photonic specialist in distribution for Laser & Crystals Optics, Optical instrumentation in Photometry/ Colorimetry & Spectroscopy.
- ARDOP Engineering designs, develops, integrates & manufactures customized photonics solutions.
- ARDOP Lighting produces a range of Multispectral Light Engines that are based on LED technology covering 240nm to 1700nm with our made-in-France quality. www.ardop.com



Stéphane Duval (CEO) is the founder of ARDOP Industrie & Lighting in France. He holds a diploma in optical instrumentation. He started his career in the European R&D center with Corning Inc. in optical Fiber-based Telecommunications. Then, he moved to BFI-Optilas a Pan-European company in Photonics as Sales Manager & was promoted Business Unit Manager of the photonic group in 2013. He has a strong experience in Sales & Business development. In 2017, Stéphane co-founded ARDOP Industrie in Bordeaux being Sales Director and became CEO in 2020. Recently, he has co-founded ARDOP Lighting which designs and manufactures multispectral solutions based on LED.



art photonics was launched in Berlin in September 1998 to develop and produce specialty fiber products for a broad spectral range from 200nm to 16µm. Various fiber cables, bundles and spectroscopy probes are produced with unique parameters for different applications: from high laser power delivery in technology & medicine to process-spectroscopy and medical diagnostics. www.artphotonics.de



Viacheslav Artyushenko (CEO & President) was born in Russia. His PhD in physics was done at General Physics Institute, Moscow in 1981 - focused on his pioneering development of polycrystalline fibers for Mid IR-range: 3-18µm. His multiple publications and patents were devoted to fiber optic technologies and applications in laser medicine, process-spectroscopy, optical sensing and diagnostic. In 1998, he founded art photonics GmbH in Berlin b one of worldwide leaders now in the production of specialty fiber products for a broad spectra 0.2-16µm. Dr. V. Artyushenko and art photonics are members of EPIC, CFACT, IBioIC, SPIE, OSA, SAS, SPECTARIS, Optec-BB, Photonics-BB, GDCh-DECHEMA & CLIRSPEC.



ASE Optics provides fully integrated optical, optoelectronic and photonic systems for critical applications and harsh environments. We are experts in optical systems design and engineering for new product development, and innovation is at the core of all our activities. With our rigorous systems approach and creative problem-solving processes, we design optical systems that improve reliability and performance. Our focus on optical engineering is based on the needs of our customers. ASE has the experience and resources to meet precision optical systems assembly for prototyping as well as short series production. Our customers came from a broad range of application areas: industrial inspection, semiconductors fabrication, defense and security, New Space, aeronautics, Fusion, scientific research and biomedical technologies. www.aseoptics.com



Andres Cifuentes (CEO) has worked as a research technician, optical engineer, and optics manager on projects ranging from thermal imaging, visual optics, illumination systems, anamorphic imaging lens or optical metrology systems, applied to markets such as medical, defense and security, automotive or industrial metrology. Currently, he runs ASE Optics Europe and has thrust the company into optical and photonic systems solutions for high-demanding applications such as fusion environments in low light optical systems, NewSpace imaging systems, OCT optical metrology, thermal systems for security or optical systems for medical applications, while leading a team of innovative scientists and engineers.



ASML is a world leader in the manufacture of the most advanced lithography systems for the semiconductor industry. ASML designs, develops, integrates, markets and services advanced systems used by customers by the major global semiconductor manufacturers to create chips that power a wide array of electronic, communications and information technology products. With every generation, the complexity of producing integrated circuits with more functionality increases, and ASML is committed to providing customers with leading edge technology that is production-ready at the earliest possible date. ASML recently enforced the collaboration with TU/e and Smart Photonics in Eindhoven, willing to support the Photonic market and its potential. www.asml.com



Sergii Denega (Industrial Strategy Manager) obtained his PhD in physics at the University of Groningen and joined ASML in 2011. Since then, developed optical modules and light sources for all ASML business lines and worked closely with vast supplier network across photonic industries. In the period 2018-2021 gained field knowledge by running three node introduction projects with leading memory customer. As of 2021, joined industrial strategy team and is currently responsible for photonics and sensors segment.



Thomas Plees (Senior Director Strategic Sourcing & Procurement) joined ASML in 2007 as Supply Chain Engineer after obtaining MSc degree at Delft University of Technology for Aerospace Engineering. During his 17 year career has ASML, he has always been closely involved in managing the supplier relationships specifically in the Photonics Industry from providing optics, modules, laser and light source related equipment for the lithography and metrology tools of ASML. He is currently leading the global strategy group responsible for defining the Photonics related supplier landscape for ASML. His area of interest includes how to build long lasting relationships.



asphericon is a global technology leader and digital-first manufacturer in photonics, revolutionizing the production of optical components and setting the asphere as the standard in optics. asphericon designs and manufactures high-precision optical components and systems for all wavelengths, materials and applications. www.asphericon.com



Sven Kiontke (CEO) has revolutionized the manufacturing of aspheric components and systems by developing a new technology to control CNC machinery. His professional experience includes more than 20 years of entrepreneurial, technical and management know-how. He is one of the leaders in developing technical standards related to aspheric and freeform surfaces through DIN and ISO and holds an MA in Computer Sciences from Friedrich-Schiller University Jena.



Ulrike Fuchs (Vice President Strategy & Innovation) studied physics at the Friedrich Schiller University Jena from 1999 to 2004, majoring in optics. She began her academic career in 2003 with numerical simulations of ultrashort pulse propagation in complex optical systems. Afterwards she was a Fellow of the German National Academic Foundation at the Fraunhofer IOF in Jena and received her doctorate in 2009. Postdoctoral, she worked at the IOF Micro-Optical Department and as assistant lecturer at the Abbe School of Photonics. When she joined asphericon in 2010 as an optical designer, her research focus shifted to combining manufacturing and metrology of aspherics with questions of optical design. She has been Head of the Applications Department since 2012 and is continuously working on concepts that enable the prediction of system performance in optical design and tolerance processes. Recently, great emphasis has been given to transferring these ideas to freeform optics. Her current position comprises all R&D activities at asphericon as well as strategic product development. She is also the inaugural winner of the Kevin P. Thompson Optical Design Innovator Award and has been working as an Associated Editor for Optics Express since April 2018. Since 2023, she is serving as Director at Large for the OPTICA Board of Directors.



Astrape Networks, established in 2022 in Brainport Eindhoven, Netherlands, leverages advanced photonics to develop sustainable, high-speed optical networks for data centers. With a focus on reducing the environmental impact, Astrape employs cutting-edge technology for efficient data transmission, aiming for up to 60% energy savings. In 2023, the company secured \approx 1.6 million in funding to further its mission towards greener data center solutions, marking a significant step in addressing the global demand for energy-efficient data management. www.astrape.net



Francesco Pessolano (CEO), with a distinguished 20+ year background in tech innovation, leads as CEO and co-founder of Astrape Networks, driving the transformation of datacenter communications with energy-efficient, high-capacity solutions. His leadership is marked by a deep commitment to team development and expertise in business growth and client relations. Pessolano earned a Laurea cum Laude in Electronics, a Ph.D. in Math and Computer Science, an MBA in Strategy and Marketing, and holds more than 20 patents.



Astrum LT, based in Lithuania, and Czech Republic, is an international supplier of high-power OEM laser systems and components for industrial and medical applications. Astrum LT focuses on the semiconductor technology as an efficient, most advanced and reliable source of innovation. The company has grown through extensive academic and industrial partnerships offering customized but competitively priced solutions for a wide variety of OEM laser solutions for pumping, amplification, seeding and laser driving for aesthetic, surgery, material processing and electronic industry. The product range includes laser amplifiers, laser heads, optical modules, laser diode drivers to be soon extended with edge emitting and VCSEL lasers. A state-of-the-art 6,000m² laser chip epi and fabrication foundry in the vicinity of Prague, Czech Republic now offers contract laser chip fabrication as well. www.astrumlt.com



Sergei Tsarev (CEO) is the founder of Astrum LT UAB, Lithuania. Sergei possesses strong experience in international business development in industrial and aesthetic laser applications. His solid project management and liaison skills elevated by an outstanding engineering team of Astrum LT allowed to build a successful laser product portfolio in demand by leading system integrators and energy device manufacturers in Israel, South Korea, US, EU, and worldwide.



ATLANT 3D Nanosystems is a global pioneer startup company combining unique advanced technologies to enable atomic layer 3D printing. The company was founded in 2018 with a vision of delivering the first-ever atomic layer 3D printing technology to enable rapid prototyping and manufacturing of micro and nanodevices with simple and smart approach and outside of the cleanroom. Our team combines interdisciplinary expertise in advanced technologies, e.g. micro and nanofabrication, atomic layer deposition, and high precision system development, chemical engineering and material science to create the company's core technology, know-how, innovation, and strategy. We provide our customers services and support with equipment to enable their ideas to be realized. The company product development and R&D is funded by several EU Horizon2020 projects together with the Innovation Fund Denmark and Sony. www.atlant3d.com



Antony Matsepa (Head of Strategic Initiatives) has over 17 years of diverse experience in project management, leadership, and stakeholder engagement. International work experience in Europe, Asia, Middle East, UK & Ireland. Antony's extensive expertise in business development, marketing, and sales is complemented by his technical skills and entrepreneurial spirit. He excels in identifying and nurturing new business opportunities, driving innovative marketing strategies, and enhancing sales operations at ATLANT 3D. Worked in various roles, including Tech Startup Founder, Consultant, CTO, Brand Engineer, and Director of Special Projects. Antony is known for his entrepreneurial spirit, problem-solving focus, and ability to drive teams towards innovative solutions and new opportunities. Holding a BA Honors in Business & Management.



Maksym Plakhotnyuk (CEO & Founder) is Founder and inventor of ATLANT 3D and its technology, successfully raised more than z 17M for the company in private equity funding from strategic investors and business angels from South Korea to Silicon Valley. He had built more than 10 industrial innovation consortiums across the US and EU with a total budget of z 25M. He's Advisor to NATO on deep tech innovation and Senior Advisor to several deep tech startups, Winner of multiple awards, e.g., Hello Tomorrow Global Challenge, EIT, Sony, Merck, FormNext, Falling Walls, Red Herring etc. Maksym holds PhD in Micro- and nanotechnology.



AUCCEPT Consulting is offering AUthentic Coaching and Consulting on Entrepreneurship and Photonics Technologies. AUCCEPT's CEO Andreas Umbach has more than 20 years' experience as founder and CEO of a technology start-up in a global industry. He has been responsible for the active and passive side of international mergers and acquisitions. Andreas actively directed the company's direction in the field of photonic integrated circuits. Now, he is aiming to consult on photonics technologies using his extensive network in this global industry. He is pleased to coach entrepreneurs and give advice on strategic business decisions throughout the lifecycle of the company. Support of the management team and leadership training are offered by direct coaching mandates or in the form of board positions. www.auccept.com



Andreas Umbach (CEO) holds a Diploma Phys. degree from Technical University Berlin. In 1989, he joined the Fraunhofer Heinrich-Hertz-Institut where he worked on the development of Indium-Phosphide based optoelectronic integrates circuits comprising High Electron Mobility Transistors (HEMTs) and high-speed waveguide-integrated photodiodes. In 1998, he and two colleagues founded the company uif Photonics AG as a spin-off from HHI, which became a leading supplier for ultrafast devices for optical fiber communications. As CEO, he led the acquisitions of LKF Advanced Optics GmbH, u2t Photonics UK from rfmd and COGO GmbH. In January 2014, he sold uif Photonics AG to Finisar Corp. and served as a Vice President, General Manger and CTO of Finisar Germany GmbH. Andreas also served as member of the technical programme committee of the International Conference on Optical Fiber Communication (OFC) and of the IEEE Microwave Photonics Conference (MWP) and the European Conference on Optical Communications (ECOC).



MEMBER OF THE NYNOMIC GROUP



AVANTES is a world leader in the field of spectroscopy. They develop and manufacture spectrometers, light sources, software, fiber optic cables, and accessories. Avantes' products are highly customizable, adaptable to any specific application, and integrated into even the smallest housings. These products therefore find usage in many OEM applications and markets, as well as in the scientific and industrial world. With 30 years of experience, Avantes continues to produce innovative applications in diverse fields including chemical, solar energy, agriculture, gemology, (bio)medical, semiconductor, light measurement and food processing technology. www.avantes.com



Nazanin Sha'lee (Director of Strategy and Business Development) holds a Masters in Materials Chemistry and an MBA with a focus on Technology Commercialization from the Beedie School of Business. Nazanin develops a global strategy roadmap based on market trends in Semicon, Medical, and food and agriculture sectors. With a diverse career spanning semicon, healthcare (implants and surgical devices), space, telecom, automotive, and food/agriculture, she leverages technical and engineering knowledge alongside commercial expertise to drive pioneering collaborations with industry leaders worldwide.



Avenir Photonics creates a new generation of spectroscopy for portable and industrial applications. With over 10 years of experience in integrated photonics, we design spectrometers that provide a unique combination of technical performance, sophisticated software, flexibility and small size at a very competitive price. We develop customized photonic engines that include not only a spectrometer, but also light sources, sampling optics and embedded evaluation software. Our modular approach provides flexible systems that can easily be configured for an individual application. These solutions specifically address the requirements of portable and industrial devices, bridging the gap between laboratory and field spectroscopy. www.avenirphotonics.com



Jörg Ehehalt (CEO) studied physics at universities in Heidelberg, Salt Lake City, Berlin and Regensburg. He received his Ph.D. from the University of Regensburg in 2009. From 2010 to 2018 he worked for RGB Photonics GmbH in Kelheim as Director of Research and Development. There, he led the team that developed the Qwave, Qmini, Qstick and Qred spectrometers. When the spectrometer business was acquired by Broadcom Inc. in 2018, he continued this work as the Lead Engineer for Spectrometers at Broadcom in Regensburg. In 2021 he left Broadcom to start his own company Avenir Photonics.



Avirata Defence Systems provides cutting-edge solutions and services in electrical and fiber optic interconnection systems, integrated electronic and photonic systems for the demanding needs of the aerospace, defence and telecommunications industries. Our systems are designed to meet the most stringent standards of performance, reliability, and security. With a strong track record of excellence, innovation & a dedicated team of experts we serve as your go-to partner for all your aerospace and defence requirements. We foster decades-long associations with our customers and partners. www.aviratadefsys.com



Krishna Kumar (Head of Technology) has over 25 years of experience in the development of photonic products with applications in multiple areas including telecom, medical, and defence markets. He has a successful track record of R&D leadership and excels in promoting a culture of innovation with a global objective. Prior to Avirata, he co-founded and led innovative photonic product development companies.. Krishna Kumar holds an MSc in Physics from the Univ. of Hyderabad, an MSEE from Oregon Health and Sciences University, and has completed a program in Technology Management from Georgia Tech.



Company of the Leister Group



Axetris serves OEM customers with micro technology based (MEMS) infrared light sources, laser gas sensors, gas flow sensors & controllers and micro-optical components used in industrial, telecom, environmental, medical and automotive applications. Our multi-disciplinary and highly skilled engineering and manufacturing teams combine broad experience in design, manufacturing and metrology from MEMS components to advanced optical and electronic sensor modules. Axetris supports its customers with in-depth application know-how. Customers benefit from excellent product value, consistent high product quality and outstanding customer support. OEMs rely on Axetris worldwide as a competent partner for customer-specific solutions from concept to volume production. Axetris is ISO 9001:2015 certified and ISO TS 16949 compliant and operates its own 6-inch to 8-inch wafer MEMS foundry for its own products and contract manufacturing for external customers. A wafer back end, a sensor assembly and calibration facility under clean room conditions complete the manufacturing infrastructure of Axetris. www.axetris.com



Myun-Sik Kim (Principal Strategic Business Development) received a PhD in Photonics from École Polytechnique Fédérale de Lausanne (EPFL), Switzerland, in 2011. Since January 2019, he works at Axetris Micro-Optics business unit at several roles. Application Engineer Team Manager, Product Manager, and currently he serves as Principal Strategic Business Development questing future markets and applications of Axetris Micro-optics products. His expertise is Micro-optics and its applications (e.g., telecom & datacom transceivers and 3D imaging devices like LIDAR and light-field camera). While working at EPFL and UCSD as a scientific staff, he authored 29 peer-reviewed internal journals, many SPIE proceedings, and a book chapter edited by Prof. Emil Wolf, "Progress in Optics volume 58, 2013."



Advanced Photonics Assembly and Packaging



Bay Photonics provides a packaging service to Photonic and Microelectronic device developers and chip designers. We can help you bring your optoelectronic and PIC designs to a successful product market launch with our often-innovative packaging solutions. Drawing on our vast experience within datacoms, sensors, space and quantum sectors, we will help you design for Manufacture (DFM) and meet other essential requirements such as cost, time to market, performance etc. (DFX). Located at the EPIC centre in Paignton, England, and drawing on the unique history of the area and the Torbay Hi Tech Cluster (<https://epic-centre.co.uk/torbay-hi-tech-cluster/>). Our packaging capabilities include epoxy and eutectic die bonding auto gold and Aluminium ball and wedge wirebonding, optical alignment and hermetic sealing. www.bayphotonics.com



Glenn George (Co-Founder and Managing Director) has over 48 years of experience in the photonics packaging industry having worked for STC, Nortel and Bookham in their Paignton based centre of excellence. He formed Bay Photonics in 2007 to address the need of retaining this expertise to support customers in Europe and North America with their advanced photonic packaging design requirements. With the wider use of the photonics in areas such as 5G, sensors and Quantum communication, detection and encryption, Bay Photonics has grown from just the original 2 founders to become an established and impressively equipped packaging house with over 30 employees accessing world class laboratories which contain state of the art tools for design and manufacture of low to medium volume technology demonstrators, prototypes and production batches of 100s to 1000s/month. Our very well qualified and experienced team are eager to help you realise your next exciting project.



BBW Lasertechnik is a leading German manufacturing service provider for laser-based manufacturing technologies, located in Prutting (Bavaria, Germany). The company's core in laser material processing involves laser welding, laser cutting, laser drilling, laser ablation and laser micro processing. The use of almost 50 different laser systems and the knowledge of 200 skilled employees are the prerequisites of its unique capabilities. This is extended by mechanical manufacturing technologies to provide complete assemblies. For the development of highly digitized and productive processes BBW provides its own equipment manufacturing. To ensure the quality of its laser processes BBW can rely on its test laboratories which includes metallographic examinations as well as online process inspections. International research in Eurostars and Pulsate projects enables BBW to apply the latest laser technologies and process and to be an innovative partner from the first trials over prototypes to serial production in laser material processing. www.bbw-lasertechnik.de



Andreas Brägger (CEO) holds an MSc in Industrial Engineering from the Friedrich-Alexander University of Erlangen-Nuremberg. He took over as CEO in 2015 during his studies, when he and his family acquired 100% of the shares in BBW Lasertechnik. Since then, his focus has been to keep BBW at the forefront of laser material processing by investing in the latest technology and building superior capabilities through R&D and employee training. Through his activities, BBW has made a major shift in its business from an external capacity to an capability for sectors such as semiconductor and battery technology.



Bioherent is an innovative startup, founded in mid-2021, that emerged from research groups at the University of Málaga (Spain). Bioherent's mission is to develop a cutting-edge in-vitro diagnostic system that employs integrated photonic biosensors, providing clinicians with a highly reliable tool to identify drug allergy affected patients with exceptional sensitivity and specificity in a clinical setting. This solution aims to surpass the insufficient performance provided by reference solutions that are typically used in routine clinical practice. These conventional methods for detecting antibiotic allergies are often fraught with clinical insufficiencies in terms of sensitivity/specificity for in vitro solutions or expensive and inefficient in the case of traditional clinical tests. The provided technology

is not only highly reliable, but also immensely versatile, capable of being applied in a wide range of diagnostic and medical applications. Bioherent's team of experts is comprised of accomplished professionals in biochemistry, biotechnology, photonics, and microelectronics. Bioherent is headquartered in Malaga, Spain, and is steadfastly dedicated to driving innovation in the field of diagnostic technology. The overall goal is to develop a comprehensive portfolio of diagnostic solutions that will address unmet needs in the healthcare industry, with a keen focus on improving patient treatment and enhancing the effectiveness of healthcare systems. www.bioherent.com



Jonas Leuermann (Co-Founder, Head of Engineering and Managing Director) obtained his master's degree in Electrical Engineering, Information Technology and Computer Engineering at the RWTH Aachen in 2016. Later in 2021, he received his PhD in Telecommunications Engineering in 2021, investigating integrated photonic biosensors. Mid 2021 he co-founded Bioherent, which aims to bring to market a medical in vitro diagnostic device for the detection or quantitative verification of drug allergies. Currently, he is the Head of Engineering for R&D and the Managing Director at Bioherent.



bmbg consult is an International Management Consultant with a long experience in semiconductor industry R&D, photonics, mask making, EUV ecosystems and infrastructure, product management, product strategy, business development with 30 years of management in different industries from group to division level, management of national and international funding projects, implementation and assessment of excellence systems. The main focus in recent years is on market access for high tech products and support for mastering sustainability. www.bmbg-consult.de



Jan Hendrik Peters (Owner) has a background in physics and business administration. He holds degrees in physics from the University of Washington, Seattle (M.S.) and University of Hamburg, Germany (PhD) and an MBA from the Nordakademie in Elmshorn, Germany, in International Management, International Marketing and Business Communication. Based on his management experience in the academic world (particle physics lab DESY) and the semiconductor business sector (AMTC and Carl Zeiss SMT), he started his management consultancy firm in 2017 to support SMEs in strategy development and balanced business management. He is an EFQM advisor, trainer, and assessor, helping companies to develop themselves. His work as an excellence assessor allows him to acquire a deep insight into management methods from organizations all over Europe, from Mexico, through the Near East and China which he transfers to the realm of small and medium enterprises. Since 2022 he is giving trainings for sustainability managers.



Boltic is a European optical sub-assembly testing laboratory dedicated to telecom and datacom applications. At Boltic, we aim to help businesses grow and expand their knowledge of optical components by conducting analysis and extensive measurements on key components that constitute a network. Our services include Interoperability testing, RMA, NPI, Test System Service Solution, Additive manufacturing and Quality control services. Our laboratory is ISO class 5 certified and equipped with the latest technologies available on the market by partnering with well-known OEM test vendors to ensure the heterogeneity of our measurements. www.boltic.be





Philippe Bolle (CEO) has 33 years of experience in the telecom industry. He was the founder of Skylane Optics founded in 1998 who has been acquired by Amphenol in 2021. He has now started an independent test laboratory Boltic since September 2022 for optical and electrical parameters characterisations. The company is also involved in software development for test and measurement equipment. Future developments are based on automatic quality control for optical transceivers.



Centre de Collaboration
MiQro Innovation

MiQro Innovation Collaborative Center (C2MI) is the largest innovation centre for electronic systems across Canada wholly dedicated to the rapid commercialization of microelectronics products. Our fields of expertise are grouped into 4 main sectors: The manufacturing of micro-electro-mechanical-systems (MEMS), the advanced packaging and Optoelectronic assembly of semiconductors, the analytical services and the printable electronic and card assembly. www.c2mi.ca



Annie Dallaire (Vice President Business Development) made her debut with C2MI in 2016 as Director Business Development. She was promoted to Vice-President, Business Development in 2018. Her role involves, among other things, developing prospecting strategies, supporting customers through their projects and product development, and being C2MI's external representative in various technical and scientific events. An experienced manager, Annie has been active in microelectronics manufacturing for over 27 years. Over the course of her career, she has developed a solid expertise in semiconductor manufacturing processes, as well as experience in managing engineering activities such as project execution for capacity expansion, cost reduction, productivity improvement and quality control. Annie holds a bachelor's degree in physics and a master's degree in plasma physics from Université de Montréal, and an MBA from Université Laval.



Cailabs is a global deeptech company with offices in France and the United States. Founded in 2013, it designs and manufactures photonics products with groundbreaking applications in space, defence, industry and other major industries. Using unique beam-shaping technology, Cailabs guarantees an efficient, resilient laser link for free-space communication, capable of delivering even in difficult environments. In industrial laser processes, Cailabs's solutions enable greater precision, making complex processes simpler. www.cailabs.com



Pu Jian (Chief Product Officer & Deputy CEO) launched all Cailabs's award-winning products and drives their go-to-market strategy. She leads the cooperation between Cailabs and its strategic partners. She holds a Ph.D. in quantum optics from the Ecole Normale Supérieure and the Université Pierre et Marie Curie.



Chroma Technology is an employee-owned company that specializes in the design and manufacture of precision optical filters and coatings. The most advanced coating techniques have been developed that provide the greatest accuracy in color separation, optical quality and signal purity economically for OEM applications. We provide application engineering support, short cycle times and are as comfortable designing and manufacturing custom filters. The engineering team from Chroma's instrumentation subsidiary 89North is focused on production of light sources and other opto-mechanical products for OEM and end-users. Founded in 1991 with the focus on optical filters for fluorescence microscopy, Chroma became a global player in the optical world, serving bio-medical research and diagnostic, machine vision and medical instrumentation. www.chroma.com



Georg Draude (General Manager) studied biology at Kassel University with a diploma in microbiology in the field of environmental cleaning. In 1999, he finished his PhD at the medical faculty of LMU Munich. Georg worked for several years as sales engineer for imaging solutions in medical and biological research and in the laser industry. He joined Chroma 2010 as key account manager Europe, became European sales director in July 2012 and General Manager of Chroma Europe in September 2015.



The Cl ster Mexicano de Fot nica (Mexican Photonics Cluster) is the only production and open innovation ecosystem for the optics and photonics industries in Mexico and Latin America. It was founded in 2017 as a recommendation of the 'Towards a Brighter Mexico. Optics and photonics roadmap' document, issued by the Mexican Government and the International Commission for Optics. The Cl ster Mexicano de Fot nica is a proud member of the Global Photonics Alliance and contributes to the social, economic, technological and scientific development of optics, photonics and related fields in Mexico, through the creation of networks and synergies among the companies, universities, public research centers, industrial associations, governments, etc. in Mexico and abroad. www.photonics-mexico.org



Eric Rosas (President of the Cl ster Mexicano de Fot nica) is a physicist and doctor in sciences (optics). Since 2014 he serves as an Appointed Vice President within the International Commission for Optics. He has conducted basic and applied research in fields like laser physics, high-power diode-pumped solid-state lasers, and primary metrology for solid-state lighting in several prestigious research centers and universities in Mexico and abroad; and he currently holds a tenure at the Engineering School of the Universidad Aut noma del Estado de M xico. He has actively participated in several Mexican regulation committees for optics-related sectors and led the Working Groups for a number of Mexican mandatory standards (NOMs) in those topics.



CMC Microsystems works with leading suppliers in both commercial and academic environments to provide support for the entire design, make, and test cycle from design, layout and verification to prototype fabrication and characterization. Photonic manufacturing includes III-V epitaxy and processing on GaAs and InP substrates and SOI-based silicon photonic technologies. We also offer packaging and assembly services to integrate multiple technologies. CMC Microsystems enables access to industrial-class technologies for designing, prototyping and testing microfabricated devices, circuits and systems, and supports multi-sectoral use of advanced technologies where advantage can be gained from integrated microsystems. www.cmc.ca



Gordon Harling (President and CEO) received a bachelor's degree in Applied Science from the University of Toronto and a master's in Engineering Physics from Polytechnique Montréal. He has worked in Research and Development at large companies such as Mitel, NovAtel, and DALSA. He has been a founder and CEO of several start-up companies including Goal Semiconductor, Elliptic Technologies, and Innotime Technologies.



CogniFiber was founded in 2018 by Eyal Cohen and Zeev Zalevsky with the aim to reinvent computation, revolutionize the data processing industry, and create a new, AI-driven reality. By creating an in-fiber, scalable, pure-photonic computing system that biomimicks the brain's computational efficiency with the bandwidth of optical communication, CogniFiber DeepLight solution can outperform 1000-fold the most advanced processors in every way while reducing cost and energy by more than 90%. Following the completion of several successful PoCs, including an MVP implementing ML system at 100 million tasks per second with 270Watt, CogniFiber is raising an additional A2-Series funding round to accelerate the R&D of its next generation processor. CogniFiber aims to transform verticals like Smart City, Smart Mobility and Industrial IoT. CogniFiber is endorsed by companies such as Intel, AMD-Xilinx and Seagate, and has established collaborations with several tier1 global players. www.cognifiber.com



Eyal Cohen (CEO & Founder) set out to explore and map a brand-new field of in-fiber photonic computing, inspired by the great promise involved in combining optical communication platforms with the revolution of deep learning networks. In early 2019, leveraging his broad technical experience in neuroscience (Weizmann Institute), HW design (Mellanox, Saifun), algorithms development (Oren, MS Tech) and photonic computing research (Technion, Bar Ilan University, Hebrew University), Eyal co-founded CogniFiber with world-class photonics expert Zeev Zalevsky. He recruited an elite group of engineers, implementing the theory from the whiteboards into the lab. During its first two years, CogniFiber developed and registered significant IP enabling a POC that dramatically supersedes the most powerful current AI acceleration technologies in terms of performance and power consumption. Eyal is truly energized and excited to lead CogniFiber's journey into the next technological revolution.



Comptek Solutions is a forerunner in III-V compound semiconductor quantum surface engineering. Our innovative passivation technology – Kontrox™ - delivers up to 98 % reduction of interface defect state density compared to existing methods, which results in an unprecedented boost of efficiency and significant increase in manufacturing yield of III-V based devices such as LED and microLEDs, lasers and photodetectors. www.comptek-solutions.com



Vicente Calvo Alonso (CEO & Co-founder) holds an M.Sc. in Industrial engineering from the Polytechnic Centre of the University of Zaragoza, Spain. Since his graduation in 2001, Vicente has gathered more than 17 years of work experience in different industry fields including electromechanical appliances, aeronautics and design of industrial equipment. First, he worked as an Engineering Consultant in the Benelux and Finland. Before founding Comptek, he worked as Lead Innovator in the Touch Screens Division of Nokia and later with Microsoft Mobiles, where he was responsible for scouting new technologies and their implementation into new products.



Cristal Laser is a French-based company specialized in the manufacture of high quality nonlinear optical crystals such as LBO, RTP Q-switches, KTP and KTA. Those are used either for frequency conversions (SHG, THG, OPO) or for electro-optic applications (Q-switching or pulsepicking). With more than 30 years of expertise, Cristal laser boasts a 2400m² manufacturing facility with top level crystal growth stations and cutting and polishing machines as well as high-end testing equipment (Zygo interferometers, AFM, spectrophotometer, laser test setups...). Cristal laser currently supplies the main world players in the laser industry and is also involved several European research and space projects (ELI programs, Curiosity rover, Aeolus...). www.cristal-laser.com



Dominique Lupinski (CEO & President) founded Cristal Laser in 1990, which is today the only European non-linear crystal growth company. He's graduated from ENSMM engineer school and also holds an MBA. During his 30-year career at Cristal Laser, he's managed more than 40 research projects with ESA, Otan, Eurostar, DGA, CNES... Besides, he is president of the board of Engineer school ENSGSI (Nancy) and has also participated in R&D funding committee.



Cycle is a young high-tech company that develops and manufactures world-leading femtosecond precision timing and frequency systems. The DESY spin-off company was founded in 2015 by renowned researcher Prof. Franz X. Kärtner. Based on ultrashort pulse lasers with stabilized links our Pulse solution is used in research facilities around the world. As an official contractor to the European Space Agency (ESA), Cycle is delivering the next generation of time and frequency distribution systems for DeepSpace ground stations. The Cycle Wave Solution, based on cw lasers,

enables our customers to distribute maser-quality frequencies and timing signals over long distances. Cycles detectors such as the BOC (Balanced Optical Cross Correlator) or our BOMPD (Balanced Optical Microwave Phase Detector) enable the lowest noise synchronization of two femtosecond lasers or femtosecond lasers with RF sources and are used widely in ultrashort pulse laser laboratories. www.cyclelasers.com



Daniel Petters (CEO) is a physicist. After studying theoretical particle physics, he began his career in 2000 as a management consultant in the telecommunications and internet industry. In various positions he focused on finance and business development. Since 2013, he has been involved as managing director in young start-up companies. Daniel holds a PhD in natural sciences from FU Berlin, Germany. Since 2021 he has been supporting Cycle's excellent team of scientists and engineers in supplying timing systems to major research institutions around the world.



DayOptics has focused on the R&D, manufacturing of photonics products for 19 years. The products cover precision optical components, optical assemblies, laser components, and optical systems, widely used in lasers, industrial and telecom, life science, AI, 5G, and defense. DayOptics has expanded to comprise two manufacturing sites and two R&D sites. We utilize advanced and precise manufacturing technologies like magnet sputtering polishing, ion beam polishing, IAD coating, IBS coating, and special optical bonding. DayOptics' technical strength is underpinned by an unwavering commitment to precision, innovation, and customer-centric solutions, making it a trusted partner for demanding optical applications. www.dayoptics.com



Daisy Wu (CEO & President) is the president of Hunan DayOptics, and Fujian DayOptics, Inc. She obtained a Master's degree in Optical Engineering from Huazhong University of Science and Technology in 1998. Daisy has acquired over 40 national patents in this field. Daisy plays a key role in expanding the international and domestic market for optics and laser components, establishing sales and service networks as well as technical support systems in over 30 countries and regions.



DELO is a leading manufacturer of high-tech adhesives and other multifunctional materials as well as adhesive dispensing and curing technology. Its products are mainly used in the automotive, consumer electronics, and semiconductor industries. They can be found in almost every mobile phone and in most cars worldwide, for example in cameras, loudspeakers, electric motors, or sensors. Customers include Bosch, Huawei, Mercedes-Benz, Osram, Siemens, and Sony. DELO's headquarters are in Windach, Germany, near Munich, with subsidiaries in China, Japan, Malaysia, Singapore, and USA, as well as representative offices and distributors in numerous other countries. The company employs a workforce of 1,000 staff and achieved a turnover of almost €205 million in the last fiscal year. www.delo.de





Stephan Prinz (Senior Product Manager) is the responsible product manager for high-performance optical polymers at DELO Industrial Adhesives. He obtained his M.Sc. in optics and photonics from Karlsruhe Institute of Technology and his Ph.D. in physics from Technical University of Munich. For seven years he developed cutting-edge ultra-short-pulsed laser systems at TRUMPF for scientific applications like attosecond metrology or multiphoton spectroscopy. Stephan joined DELO in 2020 where he is now in charge of the company's strategic development in the field of micro- and nano-optical applications.



Delta Optical Thin Film is a world-leading manufacturer of optical thin film filters with more than fifty years of experience. Through continuous development of new design and production technology, Delta Optical Thin Film helps the world's leading manufacturers of diagnostic and analytical instruments in setting new standards. With its unique and advanced optimisation software to match customers' particular optical specifications, Delta Optical Thin Film ensures a fast and efficient design process. Delta Optical Thin Film fluorescence filters and Continuously Variable Filters are used in demanding applications such as hyperspectral imaging, fluorescence microscopy, spectroscopy, flow cytometry, wavelength selectors, high-performance monochromators, biomedical laser systems, Point of Care (PoC) instruments, image transferring systems, color separation systems and optical coherence tomography. www.deltaopticalthinfilm.com



Poul Svensgaard (CEO) holds an MSC. EE from the Technical University of Copenhagen. After 15 years of experience in various international sales and product marketing management positions, Poul was in 2008 employed as Senior Vice President of DELTA Light and Optics from 2008 and CEO of Delta Optical Thin Film A/S from January 2015. He has over 20 years' experience in managing various high-tech BtB businesses. He is a Danish citizen with several years working experience from both Germany and Australia.



FOCAL



DEMCON is specialized in design, engineering and assembly of bespoke opto-mechatronic systems, for high technological markets like semicon, medical devices, bio-medical, life science, laser, space and others. Demcon possesses unique optical systems and precision inspection knowledge and with mechatronics and vision expertise this enables the design, realization and integration of high-grade opto-mechatronic systems. Optical principles knowhow and thorough knowledge of opto-electronics, signal analysis and opto-mechanics, results in perfectly working opto-mechatronic modules and systems. Semiconductor industry examples include alignment and level sensors, lenses/optics for laser-based manufacturing and complete lithography systems. In satellite communications, the applications include optical communication and instrumentation. Regarding laser-based systems for measuring instruments and processing machinery, 'beam-delivery' demands precise positioning down to nanometer levels. Dedicated lasers, advanced 2D & 3D measurement techniques and adaptive optics frequent topics, including optimizing signal-to-noise ratio for the maximum processing result. Demcon has an in-house software capabilities, from advanced vision algorithms and artificial intelligence modules to highly dynamic control systems. www.demcon.com/focal



Albert Borreman (Managing Director) has a rich background in integrated photonics and classical optics. After completing his studies in applied physics, he spent over 10 years working as an engineer, specializing in the design and production of integrated photonic devices. During this period, he made significant contributions, including the development of 8x8 solid-state optical switches, PIC alignment protocols, biosensors, and OBFN's (optical beam forming networks). In 2006, Albert transitioned to the photovoltaic industry, where he took on the role of a project manager. His work focused on multi-junction solar cell development, enhancing laser scribing processes, and installing cutting-edge equipment. Following this, he joined Avantes, where he contributed to the exploration of new spectrometer concepts. In 2015, Albert became part of Demcon Focal as a project manager. In 2019 he became managing director of Demcon Focal. His primary objective is to leverage the extensive knowledge within Demcon Focal in the fields of optics and vision, empowering companies to create value for their products.



Direct Machining Control makes “DMC”, the software that controls laser machines. Applications range from laser micromachining like laser etching, drilling, and welding to laser additive manufacturing (SLS, SLM, SLA, 2PP) and even 5-axis machining. DMC is a fusion between CAD/CAM and machine control software focused specifically on laser applications. It combines motion trajectory generation based on 2D or 3D CAD data and control of a wide range of hardware (positioning stages, galvo scanners, lasers, cameras, various sensors) to perform laser machining with user-defined procedures and parameters. Direct Machining Control works together with a variety of big and small system integrators, laser micromachining R&D centers, and motion control companies, to provide users with an intuitive and efficient way to control their laser machines.

www.directmachining.com



Šarūnas Vaškėlis (CEO) joined DMC in 2019 and since then has been taking care of business development and company growth. He has a strong technical background in physics and software engineering and years of experience in management and business development in the photonics industry. Before joining DMC, he was a senior sales engineer working on various photonics-related projects. Prior to that, he had multiple research and consulting positions including at Hitachi in Japan. He has a BSc and MSc in physics from Vilnius University.



DISCO is a semiconductor equipment manufacturer that provides precision processing equipment, including dicing saws and grinders, and precision processing tools (blades and wheels) used for manufacturing semiconductors and electrical components. DISCO's current main customers are semiconductor and electrical components manufacturers, who manufacture products at their own factories using DISCO equipment and processing tools (blades/wheels). The semiconductors and electrical components produced in customer factories are incorporated into end products, such as smartphones, which are then delivered to consumers. www.discoeuropa.com



Benjamin Bernard (Senior Application Engineer) spent the early part of his career at a laser application engineer for ultra-short pulse manufacturing at Spectra-Physics. After this he joined Infineon Technologies to work as process engineer for different laser based unit process steps along the semiconductor process chain. Since 2022, he is working for DISCO with main focus on laser separation, Plasma dicing and grinding.

dispelix



Dispelix develops and delivers see-through waveguides that are used as transparent displays in extended reality (XR) devices. Our elegant, high-performance XR waveguides optically combine the virtual and the real seamlessly and naturally. We are the trusted and visionary partner of the most demanding customers in XR, and enable the industry leaders to redefine the form, function, and feel of XR wearables. Dispelix is headquartered in Finland, with subsidiaries in the United States and China. www.dispelix.com



eblanaphotonics



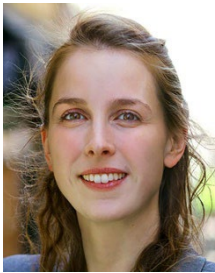
Eblana Photonics was founded in 2001 as a spin-off from Tyndall Institute and Trinity College Dublin. Eblana specialises in the design and manufacture of “Discrete-Mode” DFB-type Laser Diodes from 650nm - 2400nm, for use in optical sensing, metrology and LIDAR and optical communications markets. Eblana’s “Discrete-Mode” lasers are ideal for both niche and mass market applications, utilising standardised FP processing and surface lithography in order to manufacture single mode laser diodes – a consistent and highly customisable process. Ultra narrow linewidth devices are produced for use in metrology, LIDAR and atomic clock applications. Custom processes as well as other photonic devices including QCLs, VCSELs, SOAs, SLEDs and lasers arrays are also part of the portfolio. www.eblanaphotonics.com



Jim Somers (CEO) obtained a B. Eng (Electronics) from University of Limerick (Ire) and M. Sc. (Industrial Eng) from the University of Tennessee. Before joining Eblana Photonics as CEO, he worked at Bourns Inc, a global manufacturer of automotive electronic components, circuit protection, magnetic and resistive products as a General Manager with WW responsibility for their Networks and Magnetics Business Unit. For fifteen years prior to Bourns, Inc he worked at Verbatim Corporation, a leading global manufacturer and distributor of Data Storage and computer related products headquartered in North Carolina, USA in a variety of roles including engineering, product development, marketing and sales management in various locations such as Ireland, Hong Kong, Japan and the US.



Eclipse Optics is Scandinavia's leading developing partner when it comes to optics and photonics. We combine a deep knowledge and expertise in optics with an understanding for product development. Our consultants have experience from a wide range of applications and our customers can be found in many different areas, e.g. Life Science, Automotive, Safety/Surveillance, Green energy and Consumer electronics. We can assist our customers with everything from conceptual studies to complete turnkey solutions. Read more about us and our projects on www.eclipseoptics.com



Katharina Zeuner (Optics Expert) holds a PhD in experimental quantum optics research from KTH Royal Institute of Technology, providing her with expertise in microscopy, spectroscopy and quantum photonic emitters. In 2021, she joined Eclipse Optics to develop cutting-edge optical systems for various customers applications and focus on product development. Katharina is currently the chair of the EPIC workgroup on sustainable photonics that was founded in 2023. Members of the workgroup discuss how photonics can contribute to a greener future, identify new markets and develop useful resources at the quarterly meetings.



ECOC Exhibition is the largest optical communications exhibition in Europe, held each Autumn in a different European city, the event is the key meeting place for decision makers from across the fibre optic communications technology industry. Now in its 29th year, the exhibition now attracts over 5,000 decision makers from all around the world - bringing together manufacturers, suppliers and service providers to networking, gain insights on the latest developments, new products and trends in the industry. Alongside over 300 international exhibitors, the exhibition is full with interactive features and seminars. The extremely popular Market Focus and Product Focus theatres include thought provoking presentations from some of the most innovative and forward thinking companies working in optics today discussing the key issues facing the market. www.ecocexhibition.com



EdgeWave is the pioneer and leader of InnoSlab lasers and InnoSlab amplifiers. The range of products provided by EdgeWave includes short pulse lasers and ultra-short pulse lasers of high beam quality, with pulse length from 10ns down to 500fs and average power up to 600W. The beam profile can be circular Gaussian, line shaped top-hat and square top-hat. www.edge-wave.com

The major applications are:

- Glass industry, e.g. micro drilling and high through put subsurface engraving
- Display, e.g. structuring of thin film, sequential lateral crystallization of Si
- Photovoltaic: e. g. scribing, drilling and cutting of Si-wafer, ablation of conduction or dielectric layers of thin film solar and crystalline Si solar cells
- Electronics industry, e.g. drilling and cutting of ceramic foils and printed circuit boards
- Automobile industry, e.g. the manufacture of fuel injection valves
- Tool making and mechanical engineering, e.g. 3D rapid prototyping via ablation
- Scientific, e.g. pumping of dye laser, pumping of OPO, OPG or Ti:Sapphire laser, particle imaging velocimetry



Keming Du (CEO) has been working with the development of laser technology since 1985 beginning with high power CO₂ lasers, through diode lasers and diode pumped solid state lasers. From 1985 to 2001 he worked at the Fraunhofer Institute for Laser Technology, as the project manager, group leader and department head of high-power lasers. In 2001 he founded the EdgeWave GmbH, which offers innovative solutions in the field compact diode pumped solid state lasers for different applications. He is Fellow of ELI, AKL and IAPLE. In 2013 he was nominated as Senat of BWA Germany. He is the winner of the 1st prize of the "Innovation award laser technology 2010" granted by AKL (Arbeitskreis Lasertechnik e.V.) and ELI (European Laser Institute) in May 2010. In Mai 2012 his project team "Pikoflat" group won the 1st prize of the "Innovation award laser technology 2012" granted by AKL and ELI. Based on InnoSlab laser and amplifier his project team received the Stifterverband's Science Award 2012 and the 2. Leibinger price 2012, for the pioneering and excellent work in the field of short and ultra-short pulse lasers based on InnoSlab laser and InnoSlab amplifier. He is the winner of Arthur L. Schawlow Award 2015 from Laser Institute of America.



Edmund Optics is a leading, global provider of optical technology solutions that has been serving a variety of markets since 1942. The company employs 1,250+ employees across 18 global locations and continues to expand. The company services its customers through three distinct offerings: Marketplace - Edmund Optics' One-stop shop for the best brands and products in optics and photonics; Optical Manufacturing - Custom and volume manufacturing of high-quality optical and imaging components and systems; as well as Engineering Services - Optical consulting, design, and prototyping services as part of the company's manufacturing offerings. www.edmundoptics.com



Alexis Liagre (Sales Director EMEA) joined Edmund Optics in 2011 and has an extensive international sales experience in high tech industries. As EO's Sales Director EMEA, Alexis and his team strategically drive sales of EO capabilities in design and manufacturing of optical components and assemblies and services across all industries and accounts. He has a keen understanding of clients' needs and knows what must be done to optimize the overall customer experience. Alexis holds a master's in international Trade from the University of Dunkirk and an Executive MBA from the EM Lyon business school.



Martin Weinacht (Managing Director & Senior Director Engineering, EMEA) holds a degree in physics obtained at the university in Kaiserslautern, focusing around (non-linear) optics and short-pulsed lasers. After 4 years in R&D on refractive laser systems at 2010 Perfect Vision (to date part of Technolas), he joined Edmund Optics Germany in 2005 as a sales engineer. With growing business of EO in Europe, Martin went through different positions in sales, had been responsible for EO's direct selling activities in Europe for several years and established an Engineering team comprising optical & mechanical design, project management and system engineering from 2018. Today Martin is heading key projects connected to the strategic development of Edmund Optics within Europe and as a managing direct for EO GmbH also oversees compliance related issues. Over the years, he obtained an extensive insight in optics manufacturing and developed a strong expertise in all kinds of optical applications.



Samuel Sadoulet (President and Chief Operating Officer) began his career with EO as an application engineer and rapidly advanced through the engineering ranks as a respected optical design engineer and technical strategist. In addition to his strong technical contribution, he has held several Management and Director level positions. In his current role, Samuel orchestrates the company's day to day operations to exceed customers' expectations. Beyond leading the global executive team in this mission, he plays a prominent role in the Edmund Optics' corporate strategy development. Education: EMBA INSEAD (France, Singapore), MS University of Arizona (USA), BS University of Rochester (USA).



EKSMA Optics is a manufacturer and supplier of precision optical components used in high-power lasers, laser systems, and other photonic instruments. The product range includes laser optics for high power laser applications, optical systems, Pockels cells and their High Voltage drivers, ultrafast pulse picking systems, laser media & nonlinear crystals, laser diode drivers. EKSMA Optics owns cleanroom facilities for optical and electro-optical systems assembling, department of dielectric coatings deposition using IBS technology and department for spherical and aspherical lens manufacturing with CNC machines. The Company is active in industrial, scientific, medical and defense markets. www.eksmaoptics.com



Dainius Tumosa (CEO) holds an MSc in applied physics from Vilnius University and an MBA from Vilnius University. Dainius started his career as a laser engineer for the company Ekspla. In 2008, he moved to the position of Director R&D in Eksma Optics and he has been the CEO of Eksma Optics since 2013. Dainius has more than 15 years of experience in dealing with projects related to electro-optical and nonlinear crystals, production and testing of high damage threshold coatings and precision optical components. He is a board member of Lithuanian Laser Association, Laser & Engineering Technologies Cluster (LITEC).



EKSPLA - Innovative manufacturer of solid state and fiber lasers from custom system to OEM series. In-house R&D team and more than 30 years' experience ensures operative design, manufacturing and customization of the award-winning products. For OEM customers who need reliable lasers equipment delivered on time EKSPLA provide optimized/tailored solutions for specific requirements that enables to make customers' product unique. Unlike of the shelf manufacturers, EKSPLA provide close partnership, collaboration and our commitment that helps to create value to your customers. www.ekspla.com



Aldas Juronis (CEO) has more than 25 years of experience in sales and business management. He joined EKSPLA in 2018 as Head of OEM Lasers program and took the lead of product and business development of industrial and OEM lasers. Business from OEM Lasers has grown significantly since thus contributing to even faster growth of EKSPLA. He also initiated development and later launched to the market an innovative award winning industrial femtosecond laser FemtoLux30. Later Aldas took position as Chief Production Officer and initiated implementation of LEAN principles in production as well as in sourcing departments. Starting from January 2023 Aldas was appointed as CEO of the company.

Electro Optics

Electro Optics is the leading resource for engineers involved in photonics business, technology and applications. Registered readers will have access to news of the latest technological developments, trends and opinions in the photonics industry as well as independent, in-depth editorial content. Electro Optics provides uncompromised, informed commentary and analysis on topics of interest to anyone involved in the photonics industry. Published ten times per year, Electro Optics is available worldwide in print (free for qualified readers) or digital (free to all) formats. www.electrooptics.com



Mark Elliott (Chief Operating Officer) is the Head of Content at Europa Science, publisher of Electro Optics, Imaging & Machine Vision Europe, Laser Systems Europe and Fibre Systems, amongst others. Mark has been at Europa Science just under a year and brings a wealth of editorial and consumer and B2B publishing experience from a 35-year career that has seen him lead brands such as Time Out London. He heads up a team of specialist journalists at Europa Science working on an increasingly digital-first strategy designed to build an even greater impact with the global photonics market.



ELEMENT 3-5 is a technology source for the semiconductor industry. The product spectrum ranges from production systems based on the novel low-temperature epitaxy to powerful ion and plasma sources for wafer cleaning and surface activation. Their innovative high-performance system - ACCELERATOR 3500K - enables the production of monocrystalline aluminum nitride templates at 10-fold higher capacity, increased layer homogeneity and with significantly lower production costs. www.element3-5.com



Volker Sinhoff (Managing Director) holds a degree in mechanical engineering of RWTH Aachen. After finishing his PhD thesis, he worked as general manager of the Fraunhofer-Institute of Production Technology IPT before starting in 2001 his own business in the field of refractive micro-optics and diode laser systems. He sold his shares of INGENERIC GmbH successfully in 2013 to the TRUMPF Group. Since then, he acts as strategic advisor and business angel for young high-tech companies. In 2015, Volker joined ELEMENT 3-5 GmbH as CEO. The company is an equipment supplier for the growth of wide band gap semiconductors. With its disruptive Low Temperature Epitaxy, ELEMENT 3-5

enables customers to reduce manufacturing costs, process complexity and environmental footprint and to exploit functional advantages.



EIFys provides photodiodes with photosensitivity surpassing any other commercially available product. EIFys offers true broadband photodiodes for high-demanding applications of light detection across deep UV-visible-NIR wavelength range. EIFys supplies cutting-edge technology and

photodiode products to applications ranging from health monitoring, defence, analytical instrumentation to CMOS image sensors, etc. EIFys offers standard photodiode products and customized photodetectors. EIFys has the capability of designing, developing and manufacturing photodiode products in Finland and in France. www.elfys.fi



Mikko Juntunen (CEO) is the founder and CEO of EIFys. He has a doctorate in semiconductor physics and a strong background in commercially developing, industrializing and selling science-based innovations, including consumer electronics experience with Nokia and founding startups. He is an expert in detectors throughout the whole value chain and knows the customers. He has several patented inventions and publications in top journals like Nature.

EMBERION



Emberion produces high performance visible to short wavelength (VIS-SWIR) infrared cameras with its in-house developed unique nanomaterial based sensor solution and custom CMOS read out integrated circuit. Emberion focuses on industrial machine vision and providing enhanced vision for demanding surveillance conditions. Emberion cameras provide a wide spectral range (400 – 2000 nm) with high dynamic range capabilities and high speed. The camera enables various applications within machine vision, defense, medical and other areas where both visible and infrared capabilities are utilized. www.emberion.com



Jyri Hämäläinen (Head of Product Management and Marketing) is Head of Product Management and Marketing at Emberion. He is also one of the founders of Emberion. In his current role he is in charge of Emberion's product portfolio, future business directions as well as all marketing activities. Previously, as Director of Sales and Marketing he was responsible for all commercial activities within Emberion. Before incubating Emberion he worked at Nokia taking the leading edge innovations from Nokia's technology group commercial.

enlightra



Enlightra is a fast-growing deeptech startup developing next-generation photonic hardware for extreme-performance data communication and AI computing systems. The company brings the most advanced photonic technologies to the market through the combination of the unmatched expertise and dedication. Since its inception in 2021 Enlightra has raised >\$2M in non-dilutive funding from US and EU agencies, grew a team of highly skilled photonic experts and already delivered its first product to the market. The company was featured as Optica's Ones to Watch 2022, and as one of the top 9 Swiss startups according to VCs. Enlightra is proudly supported by Y Combinator – World's famous tech startup accelerator, where it has become the first-ever European startup in Photonics. www.enlightra.com



Ensemble³
Centre of Excellence
for nanophotonics, advanced materials
and novel crystal growth-based technologies



ENSEMBLE³ is a "Centre for Excellence of nanophotonics, advanced materials and novel crystal growth-based technologies" located in Warsaw, Poland. It builds on a long tradition of world-leading expertise in crystal growth following developments by Prof. Jan Czochralski. It has been created jointly by the following renowned institutions: the Łukasiewicz – Institute of Microelectronics and Photonics, the University of Warsaw (Poland), Karlsruhe Institute of Technology (Germany), the Sapienza University of Rome (Italy), and the Nanoscience Research Center nanoGUNE (Spain). ENSEMBLE³ is a place fostering innovation in terms of providing infrastructure and know-how for both young and advanced researchers with pioneering ideas. It gathers the expertise, know-how and facilities in the field of crystal growth of single crystals of oxides, fluorides, III-V semiconducting compounds, SiC, organic materials, as well as highly novel materials such as topological insulators, micro/nano structured eutectic crystalline materials, composites made of dielectric matrices (glass, crystal) with embedded various species as metallic/plasmonic nanoparticles, quantum dots, rare earths and others. The available growth methods include Czochralski, Liquid Encapsulated Czochralski, Bridgman, floating zone, micro-pulling down and others. ENSEMBLE³ develops novel technologies and materials including basic research, applied research and research on-demand as well as offers crystal boules, wafers, fibres, elements. Examples of our novel materials and technology solutions include high yield plasmon-enhanced up-conversion materials for PV cells, non-invasive cancer detectors based on gallery mode resonators, novel topological insulators heterostructures for spintronics, plasmonics and quantum dots based new materials for laser diodes, light emitting devices, optical amplifiers, detectors of high energy radiation especially for high-tech medical imaging instruments, laser materials (active media, nonlinear absorbers) and others.

www.ensemble3.eu



Dorota Pawlak (President of the Board) is the president of the newly established Centre of Excellence for nanophotonics, advanced materials and novel crystal growth-based technologies, ENSEMBLE³, in Warsaw, Poland. DAP is also professor at the Chemistry Department at the University of Warsaw. She leads the Functional Materials Technology group at ENSEMBLE3 which works on new materials with special optical properties and potential applications in such fields as photonics, optoelectronics, medicine and photoelectrochemistry. Together with her group they invented a direct method for producing volumetric glasses doped with various nanoparticles including plasmonic ones and quantum dots, Nanoparticles Direct Doping. She is a laureate of highly competitive projects: Teaming for Excellence by the European Commission, International Research Agenda Programme and TEAM projects by the Foundation for Polish Science, and Maestro project from the National Science Centre in Poland. She is also the president-elect of the Polish Society for Crystal Growth.



EPIC is the European industry association that promotes the sustainable development of organisations working in the field of photonics. Our members encompass the entire value chain from LED lighting, PV solar energy, Silicon photonics, Optical components, Lasers, Sensors, Displays, Projectors, Optical fibres, and other photonics-related technologies. We foster a vibrant photonics ecosystem by maintaining a strong network and acting as a catalyst and facilitator for technological and commercial advancement. EPIC works closely with related industries, universities, and public authorities to build a more competitive photonics industrial sector, capable of both economic and technological growth in a highly competitive world-wide marketplace. www.epic-assoc.com



Anna Mårtensson (Marketing Manager) has more than 20 years of marketing experience working for Hamamatsu Photonics. She is from Stockholm, Sweden and has studied marketing at Berghs School of Communication. Her knowledge in Nordic and European marketing, graphic design, and her background in the photonics industry brings high value to EPIC. In her current position she is supporting EPIC in all the communication activities of the association as well as the EU-funded initiatives.



Anna Trachtova (Marketing Manager) has studied at the University of Economics in Prague and has been working in B2B marketing for more than a decade. She worked for companies such as PricewaterhouseCoopers, ManpowerGroup and several big law firms and has vast experience in digital marketing, events and project management with a focus on marketing. Anna has worked for EPIC for two and half years and the focus of her work is organizing participation at exhibitions and trade fairs. She also coordinates and communicates daily with members about sponsorship opportunities. Besides that, Anna is also responsible for dissemination and communication of 3 EU funded projects (MedPhab, PULSATE, RETINA).



Antonio Castelo (Photonics Technologies Program Manager) has a PhD from the Department of Applied Physics of Universidad de Santiago de Compostela in laser processing of glassy samples. In Madrid, he made a postdoctoral stay at the Instituto de Óptica of the Spanish National Research Council (CSIC), where he worked on the fabrication of nanostructures with dielectric and metallic materials via pulsed laser deposition. In 2010, Antonio entered the world of distribution as a Sales Engineer in the Photonics Department of the company Acal BFi, a job that he continued in the Spanish company Grupo Álava since 2012. In the latter, he was responsible for sales and marketing for Spain and Portugal of different laser systems, optical and optomechanical components, optical metrology equipment and other nano-characterization devices. In 2021, he became US Sales Manager for the company FYLA, a manufacturer of supercontinuum and ultrafast fiber lasers, for the development of the market in this country and the establishment of new relationships with the most relevant research centers in the world of optics and photonics. At EPIC, Antonio is supporting the technical needs of our growing membership as well as the EU-funded initiatives.



Carlos Lee (Director General) brings with him a background in microelectronics which was acquired through several management positions held at the international association SEMI. He has been responsible in Europe for the SEMI International Standards program, managed technical and executive programs, and together with the advisory board advocated for a more competitive semiconductor and photovoltaic manufacturing industry. Carlos has a BBA in Finance and an MBA in Leadership & Change Management from United Business Institutes. He lives with his spouse and three children in Belgium.



Elisenda Lara (Marketing Manager) studied Media and Communication at Universitat Autònoma de Barcelona and has been working in content marketing for more than ten years. She started her career in audio-visual media working as a cultural reporter, then jumped into the e-commerce sector, and before joining EPIC she has contributed to the dissemination of photonics through an association of the sector.



Ivan Nikitski (Photonics Technologies Program Manager) has a PhD in Photonics. He has a strong technical profile built by his experience in both academia and industry of new materials, optoelectronics and semiconducting. During the last 10 years, he grew professionally in the technical environment of photonic technologies and complemented it with important experience in microelectronic production. Ivan has developed projects covering a wide range of applications, such as detectors and wearables, image sensors and integrated photonics, high-speed and high-power electronics, thin-film materials and in-line metrology. He has developed various processes for wafer-scale material production and characterization, wafer-level device testing, innovative device concepts and demonstrators.



Jeremy Picot-Clemente (Photonics Technologies Program Manager) is a physicist specializing in optics. After a PhD in Physics/optics and an MBA in Dijon (France), he decided to explore the photonics industry for several years by managing photonics systems integration for various applications and in different companies. At EPIC, Jeremy oversees the development of the optics and micro-optics fields, and all related technologies and applications. He has a strong interest in new technologies involving photonics, such as AR/VR, LiDAR, 3D sensing, and imaging devices.



Justine Massip (Events Manager) has experience in event management, marketing, and communication, but also has a good knowledge of the travel industry. She was graduated in International Travel Management as MBA (in 2011, in France). After some experiences with hotel and airport, she assumed the role of Director of an intercommunal tourist office for five years where she organised several kinds of events (business and leisure oriented), among other interesting missions. She also spent 5 years overseeing the organisation and the marketing and communication of the Global Flight international conference, making it the unmissable gathering for all travel loyalty experts.



Lidia Briquets (Program Manager) has 10 years of experience in strategic commercial and corporate relationships management in the Photonics industry. She has experience in corporate and public relations and key account management, in a wide range of high-technologies industries related to photonics. At EPIC, as a Program Manager, she is responsible for the coordination of member-committee meetings and key activities, as well as working on the engagement of key contacts and stakeholders at various levels of organizations.



Ulrike Helfferich (Chief Operating Officer) has a Diploma in Engineering Physics and a deep knowledge of the photonic market after more than 20 years of working at international companies in the sector. Ulrike has extensive sales and business development experience with wide knowledge in optics, photonics, semiconductor, and machine-building market, based on business relationships to large scale and medium-sized businesses. Ulrike worked among others with applications related to spectroscopy, distance sensors, optical measurement, and image sensors. Her broad experience includes among others creating new business cooperation and especially in the past years a structured approach in

different leadership roles.



Thomas Pearsall (Founder) is a pioneer of photonic components for optical fibre communications. While at Bell Laboratories, he demonstrated the first synthesis of InGaAs single-crystal films and the first InGaAs infrared photodiode and quantum well laser for the transmission of 1500-nm optical signals. He is a fellow of the IEEE and the American Physical Society. In 2003, he founded EPIC as a positive response to the implosion of the optical fibre communications sector with the aim of creating and exploiting synergies between optical communications components and other photonics application areas like lighting, imaging, sensors and fibre-laser processing. EPIC has since grown to become a leading international photonics industry association.

EPIGAP OSA



EPIGAP OSA Photonics stands for long lasting and excellent know-how in the field of semiconductor technology and production of LED chips with a wide wavelength range. This is complemented by production of various SMDs for high power and standard configurations. We offer chips and various packaged solutions from 255 nm to 1900 nm. In addition, we offer IR and UV Photo diodes as well as broadband LEDs. This specialty is complemented by our multi-chip and chip-on-board solutions. Due to their performance, quality, and reliability, our innovative optoelectronic products play a key role in many industries and can be found in industrial sensors as well as in security technology and, last but not least, in diagnostics, biotechnology and medical technology. We consistently focus on the special requirements of our customers and meet their complex demands by manufacturing series

in small and medium quantities. With our experienced team we realize customized solutions with empathy and precision in development as well as in serial production. www.epigap-osa.de



Frank Lerch (Vice President Business Development) studied Business Administration at Free University Berlin and University of Warwick. He did research on industrial economics and network management at Free University Berlin, University of Strathclyde, the University of Arizona and the University of Armed Forces in Hamburg. He holds a PhD in Business Administration. He was co-founder of Dahlem Research & Consulting Group GmbH (est. 2009). He is also mentor of photonics related start-ups in the Berlin ecosystem. He was managing director of OpTecBB, the Photonics network in Berlin Brandenburg, between 2012 and 2022. He joined EPIGAP OSA in October 2022.



EssentOptics specializes in crafting high-performance spectrophotometers designed for quality inspections of optical thin films on flats and lenses. Our cutting-edge, research-grade instruments are meticulously engineered for UV-VIS-MWIR-LWIR transmission and reflection measurements at variable angles and polarizations. Distinguishing ourselves in the global market, EssentOptics stands as the sole provider offering unparalleled measurement capability spanning 185nm - 5200nm in a single spectrophotometer. Our latest, state-of-the-art metrology solutions boldly address challenges previously unexplored, particularly in the qualification of ultra-narrow bandpass filters and high-absorbing coatings. At EssentOptics, we empower customers worldwide with our truly innovative technologies, inspiring them to conceive superior optical coatings with unique performance attributes. Our reliable spectrophotometers are indispensable tools for system integrators and component suppliers for space exploration, lasers, biology, night vision, augmented and virtual reality, and various other fields where optical coatings play a crucial role. For more information, please visit our website at www.essentoptics.com. www.essentoptics.com



Anna Dambrauskiene (CEO) joined the company in 2020 and took responsibility for re-allocating company operations to Lithuania, as well as develop closer relationships with European customers. She had previously held different managerial positions in diverse industries, spreading over more than 20 years. Anna holds MBA degree from Vilnius University as well as EMBA from Baltic Management Institute.



Taras Lisouski (Head of Business Development) is the one of the founders of EssentOptics. His career in Photonics industry started back in 2000 when he joined a manufacturer of optical coatings equipment. Later a team of metrology-passionate engineers has established EssentOptics to focus specifically on broadband spectral measurements of optical thin film coatings. Taras graduated from Belarus National Technical University and later completed a 2-year MBA program from Belarus State University. He believes that a team of highly competent and vision-motivated employees can design amazing solutions for the most challenging needs of optical thin film experts worldwide.



The European Space Agency (ESA) is Europe's gateway to space. Its mission is to shape the development of Europe's space capability and ensure that investment in space continues to deliver benefits to the citizens of Europe and the world. The European Space Agency has sites in several European countries, but the European Space Research and Technology Centre (ESTEC) in Noordwijk, the Netherlands, is the largest. ESTEC is our technical heart - the incubator of the European space effort - where most ESA projects are born and where they are guided through the various phases of development. www.esa.int



Iain McKenzie (Senior Optoelectronic Engineer) is currently managing the research and development of fibre optic and photonic components for future space applications. He received the B.Eng. degree in electronic and electrical engineering and the M.Phil. degree in optoelectronics from the University of Strathclyde, Glasgow, U.K., in 1991 and 1993, respectively. Since 2002, he has been working with the European Space Agency. His research interests include optical communications, optical fibre sensors, microphotronics, and optoelectronic packaging for harsh environments.



ETH Zurich is a one of top leading university in Europe and in the world since its foundation in 1855 in Zürich, Switzerland. Over the decades, multiple connections have been developed and fostered with universities and companies all over the world, leading to more than 400 approved projects within the Seventh Framework Programme for Research and Innovation (FP7). The Department of Physics (D-PHYS, www.phys.ethz.ch) and the Department of Information Technology and Electrical Engineering (D-ITET, www.ee.ethz.ch) have in particular a long experience working in the field of photonics. With several national centers of competence in research (NCCR), state-of-the-art facilities and laboratories (FIRST, FastLab, etc.), ETH Zurich is pushing the frontiers in the fields of quantum optics, quantum cascade laser, ultrafast lasers, THz, optical communications, nanophotonics and several other areas. www.ethz.ch

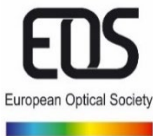


Ursula Keller (Professor in Physics) a tenured physics professor at ETH Zurich since 1993, directed the NCCR MUST ultrafast science program from 2010 to 2022. She earned her Diplom from ETH Zurich in 1984 and a Ph.D. from Stanford University in 1989. As a Member of Technical Staff (MTS) at Bell Labs from 1989 to 1993, she launched her independent research career. Keller co-founded Time-Bandwidth Products (was acquired by JDSU in 2014), and K2 Photonics in 2023. Since 2022, she has served on the supervisory board of Jenoptik. Her research is dedicated to advancing ultrafast science and technology with advancements in ultrafast solid-state and semiconductor lasers, utilizing semiconductor saturable absorber mirrors (SESAMs) and achieving ultrashort pulse generation in the one to two optical-cycle regime with frequency comb generation and stabilization. She applied these lasers to conduct attosecond experiments testing fundamental processes in quantum mechanics and pioneered the attoclock technique. Her awards include the Swiss Science Prize Marcel Benoist (2022), OSA Frederic Ives Medal (2020), SPIE Gold Medal (2020), IEEE Edison Medal (2019), OSA Charles H. Townes Award (2015), EPS Senior Prize (2011), and two ERC advanced grants (2012 and 2018). Keller has supervised 94 Ph.D. students, authored 516 journal articles, and holds an h-index of 122 with over 55,000 citations according to Google Scholar. In 2022, she authored a new graduate textbook on "Ultrafast Lasers" published by Springer Verlag.

Etteplan is a rapidly growing Technology Service company specializing in engineering solutions in the manufacturing industry. We are a forerunner in the engineering industry and we differentiate ourselves by the wide-ranging competence of our experts. Etteplan engineers and delivers back-end assembly equipment for the integrated photonics industry, focusing on high accuracy active alignment and joining and bonding. Customers choose Etteplan for meeting their specific application requirements and the focus on flexibility and scalability in their solutions. Etteplan has lead the way in the engineering field already since 1983. In 2022, we had a turnover of EUR 350.2 million. The company currently has over 4,000 professionals in eight countries across three different continents. Etteplan's shares are listed on Nasdaq Helsinki Ltd under the ETTE ticker. www.etteplan.com



Niels Jansen (Engineering Manager) is responsible for the Engineering department at Etteplan Engineering Solutions in the Netherlands, including mechanical, electrical, software and process engineering. In his role, he is also responsible for the development of the machine platform and manufacturing production solutions, as well as the technology roadmap. Niels is member of the Management Team (MT) of Etteplan NL. Niels received his Master's degree in Systems and Control from the Eindhoven University of Technology with the classification with great appreciation. Since then, he worked for several companies in the industrial automation in the Netherlands, where he gained positions as group leader and manager for engineering teams, responsible for the development and implementation of industrial automation solutions.



The European Optical Society is a non-profit society, and an umbrella organization for all national optical societies around Europe. Our members extend from Europe to all over the world. Our mission is to bring together and encourage the cooperation of all with an interest in optics, optoelectronics and related scientific fields, to make practical use of research results, and to support the industrial exploitation of optics. To this end, we organize international conferences, scientific, technical and cultural meetings, training courses, exhibitions, etc., and maintain relations with other societies and organizations, national or international, having similar interests. www.europtics.org



EV Group (EVG) is a leading supplier of high-volume production equipment and process solutions for the manufacture of semiconductors, MEMS, compound semiconductors, power devices and nanotechnology devices. A recognized market and technology leader in wafer-level bonding and lithography for advanced packaging and nanotechnology, EVG's key products include wafer bonding, thin-wafer processing and lithography/nanoimprint lithography (NIL) equipment, photoresist coaters, as well as cleaning and inspection/metrology systems. With state-of-the-art application labs and cleanrooms at its headquarters in Austria, as well as in the U.S. and Japan, EVG is focused on delivering superior process expertise to its global R&D and production customer and partner base – from the initial development through to the final integration at the customer's site. Founded in 1980, EVG services and supports an elaborate network of global customers and partners all over the world, with more than 1300 employees worldwide and fully owned subsidiaries in the U.S., Japan, South Korea, China, Taiwan, and Malaysia. www.EVGroup.com



EXALOS was founded in 2003 and is based in Schlieren (Zurich) and Ecublens (Vaud), Switzerland. It's a technology-driven company that focuses on the design, development, manufacturing and sales of advanced broadband light source solutions using semiconductor-based Superluminescent Light Emitting Diodes (SLEDs), laser diodes (LDs) or similar devices, covering a unique ultra-broad wavelength range from 400 nm to 1700 nm. In addition, the EXALOS product portfolio includes advanced integrated light source modules based on micro-optical integration or light source engines with driver electronics. EXALOS has shipped more than 800,000 SLED devices since 2003. Our products are used extensively in Medical and Industrial Imaging, Navigation, Optical Sensing, Metrology, and Scientific applications. www.exalos.com



Christian Velez (CEO) received his diploma degree in physics at ETH Zurich in 1998 and graduated in 2001 with a PhD thesis at the Micro- and Optoelectronics laboratory at ETH Zurich. He gained several years of working experience in the optoelectronic industry working for Optospeed in Switzerland before he founded his own company, Exalos AG, in 2003 where he is acting since as CEO.



Philipp Vorreau (Designated General Manager) studied Electrical Engineering in Hamburg and Flensburg and received his PhD in electrical Engineering from the Karlsruhe Institute of Technology on his work related to all-optical signal processing in semiconductor optical amplifiers and high-speed optical networks. Prior to joining EXALOS, he worked at Bell Labs and Fraunhofer Heinrich-Hertz-Institute. Since joining EXALOS in 2010, he has assumed different roles in R&D, leading product development projects, as Product Line Manager and, most recently, as Head of Quality. Following the recent acquisition of EXALOS by indie Semiconductor, Philipp is taking over as General Manager of EXALOS.



FBGS, founded in 2005, is a Germany and Belgium based developer and manufacturer of tailored fiber optic sensing components and solutions combining both fiber optic sensors and interrogation technology. Their unique manufacturing technologies enable products suitable for both standard and bespoke applications in temperature, shape, strain, force and pressure sensing. Key players in industries such as process industry, energy, civil engineering or medical rely on FBGS to enable advanced monitoring in harsh or demanding environments where no other sensing methods can be implemented. Their strong application know-how has led FBGS to become an innovation driver, empowering their customers especially in medical catheter applications and steel casting monitoring. FBGS look toward a bright future based on steady and healthy growth. www.fbgs.com



Eric Lindner (CEO) holds a PhD in Physics from the Friedrich Schiller University in Jena. During his research in fiber optics, he worked on special types of FBGs for many different application fields. He joined FBGS as a project engineer in 2008. In 2012 he became responsible for the development and production of DTG@s. He became CEO in 2015, driving since then the development of the company. Eric is co-author of 5+ patents and 40+ scientific publications.



Femto Easy is a company specialized in ultrafast instrumentation. We have a strong expertise in the production and characterization ultrashort laser pulses. We provide robust and reliable measurement devices for ultrafast lasers, already used in some state-of-the-art laboratories and in the industries. Our current product-line includes all the useful instruments to characterize and manage ultrafast lasers. We provide innovative devices for temporal measurement (μ -ROC, ROC, FROG), spectral measurements (MISS spectrometer) and spatial measurements with a very large range of beam profilers. Our product line addresses broad wavelength range (from UV to mid-IR) and a large pulse duration range, from 3 fs to 80 ps. Beside their intrinsic technical performances, our products are very easy to use, compact, portable and versatile, which make them the ideal tools for customer services. The products are associated with a high-quality and user-friendly software which contributes to make them easy and efficient to use. We also make custom products upon request and we provide our expertise on ultrafast metrology. www.femtoeasy.eu



Antoine Dubrouil (CEO) is a laser physicist specialized in ultrafast laser and attosecond science. He received his PhD from the University of Bordeaux in 2011. During his PhD at CELIA laboratory, he developed the first Terawatt sub-10 fs laser source and used those high intensity pulses to generate intense attosecond pulses. He acquired during his PhD a strong expertise in the production and characterization of femtosecond and attosecond pulses. After his PhD, he went to Australia for a post doc position in Swinburne University in Melbourne. As a laser technology expert, he was in charge of upgrading their laboratory infrastructure to the latest laser technology. His next stint was in Milan, Italy where he spent his

time in fundamental research with the Politecnico di Milano, one of the world's best laser research institute. After this period in Milan, he decided to come back to Bordeaux at CELIA in 2014 with the motivation to create a company related to laser technology. After one year and a half of maturation, the project finally resulted in the creation of Femto Easy. Antoine founded the company in February 2016 with an associate Stephane Lecorné who is a talented software developer. After eight years of existence, by getting the full confidence of its customers, the company is doing well and is growing fast.



FEMTOprint is a Swiss high-tech provider specializing in advanced, ultrafast laser processing for 3D glass microdevices. We offer contract development and manufacturing services (CDMO), focusing on high-precision 3D glass micro-fabrication. With over 10 years of experience, FEMTOprint has developed laser processing techniques for shaping glass and precise, industrialized manufacturing platforms to meet the requirements of volume production. The core FEMTOPRINT® micro-manufacturing platform relies on ultrafast laser exposure and chemical wet etching to subtractively create three-dimensional glass devices with micrometric resolution. Our mission is to deliver breakthrough and high-quality devices to innovative partners in various industries such as medical, biotech, optics, photonics, quantum, semiconductors, aerospace, AR & VR, energy, watchmaking, and more. FEMTOprint SA is strategically headquartered on Europe's North-South axis in Muzzano-Lugano, Switzerland, serving customers worldwide from our 1,500 m² manufacturing campus. We also have a subsidiary base in Neuchâtel, Switzerland. Our company boasts a team of over 40 highly skilled professionals and holds certifications in ISO 9001:2015 and ISO 13485:2016. www.femtoprint.ch



Nicoletta Casanova (CEO and President) is a serial entrepreneur with a passion for innovation, always striving to approach things differently. After graduating in civil engineering from ETH Zurich in 1994, she worked as a technical director and later as a director at a materials testing laboratory in Lugano. Additionally, she served as a researcher at EPFL. In 1996, she founded her first startup, a pioneering company in the use of fiber optic technologies for structural health monitoring. In 2006, her company merged with a Canadian group, and over the years, she also assumed the role of a manager at an international technical company in Paris, part of the new holding. Following her initial success, in 2013,

she established FEMTOprint SA, a development and contract manufacturing company dedicated to industrial 3D laser micro-manufacturing of precision glass micro-devices. The company operates in various sectors, including the watch industry, med-tech, life sciences, optics and photonics, and telecommunications, among others. Since 2017, she has served as an innovation consultant at the Swiss innovation agency Innosuisse, chairwoman of the BRIDGE steering committee (a joint program of the Swiss National Science Foundation SNCF and Innosuisse), and leader of the innovation group at the Association of Industries in Ticino AITI, where she also holds the position of vice president. Nicoletta is involved in several additional activities related to innovation and consultancy in various professional and sports associations, such as Swiss MedTech, NTN Booster Microtech, Microcity SA, and AECL. **Nicoletta Casanova is a member of the EPIC Board of Directors.**



Rolando Ferrini (Chief Regional Officer & Head of FEMTOprint Neuchâtel) joined FEMTOprint in 2022 as Chief Regional Officer and Head of FEMTOprint Neuchâtel, the subsidiary devoted to photonic-related microdevices in glass. In 1999, he obtained his PhD degree in Physics at the Università degli Studi di Pavia, Italy, with a thesis on the optical properties of III-V semiconductor materials for electronics and optoelectronics. From 2000 to 2004, he worked as Research Associate at EPFL, Lausanne, Switzerland, where he studied the optical properties of semiconductor-based photonic crystal devices. From 2004 to 2011,

as Senior Research Associate at EPFL, he was in charge of the activities on organic devices for optics, photonics and lighting. From 2011 to 2022, he worked at CSEM as Group Leader MicroNano Optics and in 2021 as Head of the Focus Area Photonics. From 2020 to 2021, he founded the PHABULOuS pilot line for the manufacturing of freeform micro-optical components, acting both as project coordinator of the related H2020 project and as Managing Director.



Ferrotec, acknowledged market leader for high vacuum technologies and thin film coating solutions, part of Ferrotec Holdings Corporation Japan, has been supplying European Customers with advanced technological solutions for more than 40 years, in different applications such as industrial, automotive, semiconductor and medical. With deep roots in company's core technologies of Ferrofluids (magnetic fluids) and Ferrofluidic® sealing equipment, Ferrotec Europe started its own design and production of Electron Beam evaporation equipment back in the 80s, at its German headquarters near Stuttgart. Since then, our product offering has steadily grown to meet our customers' high-quality demands and tough specification needs. Today, our European production capability has been enhanced by including thermoelectric subassemblies and is planned to further grow with additional value-added, innovative solutions, by also leveraging Ferrotec Holdings Corporation global footprint and facilities in Asia and USA, to supply our vast product portfolio including: - Electron Beam evaporation equipment - Ferrofluidic® vacuum sealing solutions and subassemblies - Thermal management solutions based on Peltier thermoelectric technology - High quality materials such as fine ceramics, machinable ceramics, quartz, silicon, CVD-SiC.

www.ferrotec-global.com



Sören Meyer (Sales Manager) has been in sales for Europe, Africa, Turkey and Israel at Ferrotec for almost 4 years and is always interested in the needs of the customers. Before Ferrotec, he was already in sales for the DACH region, the Baltic States and Scandinavia. Here he has supported the sales for two manufacturers for refrigeration compressors. The basis for all these activities, he has collected in the training as a refrigeration engineer, the bachelor and master studies in mechanical engineering and energy system and the work as a development engineer for heat pump systems at Bosch.



ficonTEC is a recognized market leader for automated assembly and testing systems for high-end photonic components, devices and PICs (photonics integrated circuits). Considerable process capability and dedicated assembly technologies have been accumulated in serving the needs of a broad selection of industry segments – including telecom and datacom, high-power diode laser assembly, sensing from bio-med to automotive, micro-optics, and more. www.ficontec.com



Torsten Vahrenkamp (CEO) holds a Diploma for Applied Laser Technologies from the University of Applied Sciences in Emden, Germany. During further work at the Institute of Laser Technology in Emden and at the University of Loughborough, UK, he built a fully automated laser lithography system for rapid generation of microstructures in sub-micron dimensions. He also developed a process to generate the world's first in-glass diffractive optics using ion exchange processes in gradient refractive index glass – a process that is still used today for the generation of waveguides in glass. Torsten is Chief Executive Officer of ficonTEC and, together with CFO Matthias Trinker, one of the co-founders of the company. When founding the company in 2001, the goal was to provide fully and semi-automated assembly and test solutions for the photonics industry.



finetech



Finetech, since its foundation in 1992, has evolved into a leading global supplier of micro assembly and SMD rework equipment for customers involved in microelectronics. Finetech's sub-micron bonding equipment supports the most precise and complex applications. Facilitating innovation and boosting new product developments have always been driving forces at Finetech. In order to support customers at the development stage, and help them transition their processes into production, Finetech has been focusing on efforts to expand its portfolio of automated bonders. Along with its development machines, the company offers semi- and fully automated production systems combining process flexibility, high precision and speed. Finetech works in close partnership with customers - many have grown in parallel with us, forming countless productive relationships over the years. The company serves a broad range of industries, including Datacom & Telecom, Industrial Semiconductor, Consumer Electronics, Medical Technologies & Life Sciences, Aerospace & Avionics, Automotive, Defense & Security, Energy, as well as universities and research facilities. With subsidiaries on three continents and an extensive global network of representatives, Finetech ensures quick response times, fast on-site service and personal consultation at all times. www.finetech.de



Fluence is a laser manufacturer based in Warsaw (Poland) focused on environmentally stable femtosecond fiber laser technology. The company's mission is to deliver maintenance-free femtosecond lasers with an exceptionally long lifetime. Long years of research have led Fluence to create shock and temperature immune femtosecond lasers which can be used in various fields: from science to industrial micromachining. Fluence expertise and products extend to optical parametric amplifiers and laser pulse diagnostics equipment, revising the standard approach. www.fluence.technology



Michał Nejbauer (CEO & Co-Founder) graduated in Physics (field of optics) from Warsaw University by making his first femtosecond CPA system. He then completed his Ph.D. in Laser Centre at the Institute of Physical Chemistry of the Polish Academy of Sciences by developing laser sources for femtosecond stimulated Raman spectroscopy. Michał has more than ten years of hands-on experience in building ultrafast lasers from scratch in various technologies, emphasizing nonlinear light conversion techniques. He founded Fluence with other laser experts as he believes that femtosecond lasers can perform better.



Focuslight Technologies, founded in 2007 and headquartered in Xi'an, China, is a fast-growing public company (SSE Star Market: 688167) that develops and manufactures high-power diode laser components and materials (photon generation), laser optics (photon control), and photonics modules and systems (application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. In 2017, Focuslight successfully acquired LIMO GmbH, and completed the brand unification in January 2022. In January 2024, Focuslight acquired SUSS MicroOptics (now as Focuslight Switzerland). Focuslight owns over 400 patents worldwide and is ISO 14001, ISO 45001, ISO 9001, and IATF 16949 certified. www.focuslight.com



Reinhard Voelkel (CEO) is an executive with profound background in technology and digital. Strong interpersonal and networking skills, inspirational leadership, strategic thinking, and execution skills. Experienced with all stages of the development cycle of innovative startups, scaleups and tech companies. Fellow SPIE, Senior Member OPTICA (OSA), Swiss Manufacturing Award 2021, EPIC CEO Award 2022, DVN Lighting Star Award 2024, Expert Innosuisse, member of Sand Hill Angels, member of multiple industrial, conference and company boards.



Focuz Manufacturing (FOCUZ) is a contract manufacturer providing high-precision Optical-Electronic Manufacturing Services (O-EMS) to OEM customers in Industrial, Biomedical & Healthcare, Clean Energy, Datacom, Automotive, and Optical Communication. Focuz has a facility

with 6,200-sq.m and over 800 employees based in Northern Bangkok, Thailand. A new facility with in total 13,600-sq.m, including various clean rooms, will be ready in Q2-2024. Key manufacturing capabilities are:

- COB, Hybrid assembly & packaging (Lasers, VCSEL, PD, Image Sensors, MEMS, CMOS, X-ray, etc.)
- EMS/Service for Image Sensor packaging, for biomedical and industrial camera application
- Bio-medical PCBA, sub-systems or packaging solutions, even FO assemblies, acc ISO 13485
- Precision Optical Assembly (Optical Amplifiers (EDFA), LIDAR, TOSA/ROSA, Transceivers, etc.)
- PCBA & Box build (including RF/Microwave, Power electronic, etc.)
- High-speed transceivers, AOC, Optical HDMI & USB assemblies & new developments, etc.
- Medical and bio-medical FO probes and/or medical sub-system assemblies and sensors & scanners
- In-house technologies to be offered; from wafer dicing, chip processing, die bonding, wire bonding, sealing and any style of packaging's, finally test and measurements – all in-house!

Due to "NON"-China manufacturing our products and services are not subject to embargoes or bans. We offer low-cost EMS services & CM capabilities with high-quality support, and competitive prices. FOCUZ can support dedicated production lines with the highest IP protection and drop shipments to any countries, including complete Supply Chain Management. www.focuz-mfg.net



Uwe Linss (Director of Sales EMEA) had been working for almost 10 years in SIECOR/Corning Optical Fibers (since 1992) after finished study Technical university in Leipzig. In 2002, he changed into LEONI Fiber Optics, as key-account manager in first 10 years but was nominated and appointed to lead this companies APAC sales and business development activities, being successful and with huge growth. Since 2021, he is managing and being responsible for FOCUZ Manufacturing and new customers and projects in EMEA, and an organic growth of sales and market share in Europe. Main market access is focused on

semiconductor and packaging markets, sensor and CMOS or line sensor applications, and bio-medical market, too. He is located and live in Thuringia/Germany and collaborating with German and European customers and new projects from there.

FOSS

FOSS Analytical is a world leading supplier of instruments for fast, accurate and dedicated measurements of food and feed material throughout the value chain. FOSS' mission is to contribute to a sustainable food production on a global scale, e.g., by providing equipment for optimizing the utilization of raw materials, efficient food production with minimal waste, and rapid detection of adulterated or contaminated food. Most of FOSS' products are based on imaging, fluorescent or spectroscopic technologies, covering wavelength ranges from UV to mid-infrared. FOSS' products are designed in-house to optimize the performance-to-cost ratio, and thus FOSS R&D has a lot of interaction with high-tech suppliers of optical technology. Founded in 1956, it has been a core value from the beginning to provide "first of its kind" solutions to the food industry, pushing the limits of technology to the benefit of our customers. www.foss.dk



Jacob Riis Folkenberg (Vice President) has a Ph.D. in engineering physics from the technical University of Denmark (DTU) in 2000. He started his career within basic research of semiconductor optics, moving on to research and development of photonic crystal fibers in Crystal Fibre A/S until 2005. Since then, he has been working at FOSS taking on roles as development engineer, project manager and since 2011 various managing positions with strategic responsibility. He has been driving the developing the core optical technology of most of FOSS' products on the market today, and is currently holding a position as Vice President of Technology in FOSS R&D.



Fraunhofer Heinrich Hertz Institute does research on communications since more than 90 years. Nowadays, about every second bit transported in the internet touches HHI InP technology on its way to the receiver. With a strong focus on InP, we also develop polymer waveguide-based hybrid integration, SiNx, and TFLN. While our expertise is strongest in high performance (100Gbit/sec and above) data- and telecom and in Photonic Integrated Circuits for Quantum Cryptography, we have strongly increasing activities in sensor systems, e.g. based on terahertz technology. We regularly offer multiproject wafers in InP. Our partners have the choice to do the design themselves and just use us as a foundry or to get both design and chips from a single source. www.hhi.fraunhofer.de



Martin Schell (Executive Director) studied physics at the RWTH Aachen University and took his PhD in 1993 at the Technical University of Berlin. Following a one-year research post at the University of Tokyo, Martin worked from 1995 to 2000 as a management consultant for high tech and energy at the Boston Consulting Group. Before he joined Fraunhofer HHI as head of the Photonic Components department in 2005, he was head of production at Infineon Fiber Optic Technologies. Since 2012, he is professor for optical and optoelectronic Integration at Technical University Berlin. Since 2014, Martin leads Fraunhofer HHI together with Thomas Wiegand. From 2015 to 2021, Martin was member of the EPIC Board

of Directors, and from 2019 to 2021 member of the Jenoptik Science Advisory Board. He is head of the board of OpTecBB, a network of 100 photonic companies and institutions in Berlin and Brandenburg.



Fraunhofer Institute for Reliability and Micro-integration specializes in applied and industrial contract research on packaging technology and the integration of multifunctional photonics and electronics into systems. The institute covers all the competencies needed for advanced photonic packaging, such as, process development and qualification, and reliability and failure analysis with specific links to 3D wafer level packaging, silicon and glass interposer and 3D heterogeneous integration. Optical interconnection technologies, such as, photonic design, fiber optics, PIC integration, electrical-optical printed circuit boards and laser module assembly, system test are fields of excellence. The institute has a staff of more than 300 and earns 90% of the turnover through contract research. www.izm.fraunhofer.de



Tolga Tekin (Group Manager) has received the Ph.D. degree in electrical engineering and computer science from the Technical University of Berlin, in 2004. He was a Research Scientist with the Optical Signal Processing Department, Fraunhofer HHI, where he was engaged in advanced research on optical signal processing, 3R-regeneration, all-optical switching, clock recovery, and integrated optics. He was a Postdoctoral Researcher on components for O-CDMA and terabit routers with the University of California. He worked at Teles AG on phased-array antennas and their components for skyDSL. At the Fraunhofer Institute for Reliability and Microintegration (IZM), he then led projects on optical interconnects and silicon photonics packaging. At the Technical University of Berlin, he then engaged in microsystems, photonic integrated system-in-package, photonic interconnects, and 3-D heterogeneous integration research activities. He is Manager of Photonics and Plasmonics Systems Group at Fraunhofer IZM and coordinator of PhoxLab - European Photonics Innovation Hub for Optical Interconnects at Fraunhofer IZM. He coordinated European Flagship project on optical interconnects 'FP7-PhoxTroT', and is currently coordinating 'H2020-L3MATRIX' and 'H2020-MASSTART'.



Fraunhofer Centre for Applied Photonics, Glasgow, UK undertakes direct contract R&D for industry and does collaborative research projects with H2020 or InnovateUK type support. The main activities of Fraunhofer CAP include applied research, development, prototyping and small-scale pre-production of photonic and sensor-based technologies. Core competencies are in laser sources and systems (solid-state, semiconductor disk, fibre, OPOs, ultrafast) and sensor and imaging systems. Fraunhofer CAP works in all sectors including energy, lifescience, defence, space and quantum technology. www.cap.fraunhofer.co.uk



Simon Andrews (Executive Director) leads Fraunhofer UK Research Ltd, the headquarters for UK Fraunhofer Centers, which was created following an invitation from UK Government to Fraunhofer-Gesellschaft. He supports the first center--Fraunhofer Centre for Applied Photonics, based at the University of Strathclyde in Glasgow. He seeks to establish further UK centers which will also follow the proven German model of providing professional R&D services to industry, whilst staying connected to excellent research in the university sector of Fraunhofer CAP is succeeding in its mission to help the UK economy by providing high quality applied R and D in lasers and optics, for industry. Simon is a physicist and engineer who spent many years in the photonics and medical device industries, often taking innovation from concept to market. His love of excellent science, international collaboration and practical innovation have driven his efforts on both sides, and in the middle, of the technical and commercial 'valley of death'. He also sits on the boards of Technology Scotland Ltd and AIRTO Ltd, the Association of Innovation, Research and Technology Organizations.



The Center for Physical Sciences and Technology (FTMC) is the largest state research institute in Lithuania with approximately 700 employees, including 330 PhD and 120 PhD students, and 16 departments, working in different fields of physics, chemistry and technology. The Department of Laser Technologies covers nano-photonics, laser science and applications, including modelling of nano-photonic structures, new design of fiber and solid-state based lasers, their application in the

precise material processing and optical classical and quantum communications. The Department of Optoelectronics is world-known on its activities in terahertz generation and imaging. Its facilities include equipment for MBE growth of dilute bismide layers for infrared light emitters and photo-detectors. Various ultrafast spectroscopy methods are widely used in the Department of Molecular Compounds Physics for studies of excitation dynamics in molecular compounds seeking the control operational abilities of molecular optoelectronic devices. www.ftmc.lt



Gediminas Račiukaitis (Head of Department of Laser Technologies)

graduated from Vilnius University, Faculty of Physics in 1978 and got his PhD degree in 1985 in the field of non-linear laser spectroscopy. Since 1995, he is with the Ekspla and currently holds a position as a consultant on laser technologies. Since May 2021, he is the President of the Lithuanian Laser Association. His activity related to the application of lasers in the industry was moved to the Institute of Physics in 2004. Since February 2011, the laboratory was converted to the Department of Laser Technologies with nearly 100 employees now. His research areas include the development of new laser sources, applications of laser in material micro-processing with ultra-short pulse lasers and photonics and

implementation of laser technologies in the industry. 2013-2017, he was coordinating the European FP7 project APPOLO on assessment of laser-based equipment with 36 partners across Europe and is involved in the implementation of H2020 projects Pulsate, PhotonHUB Europe, Multiscan 3D and i.FAST.



Green Optics is founded in 1999. The company has 214 employees and is located in Cheongju, South Korea. It manufactures ultra-precise optical components, modules, and systems related to displays, high-power lasers, and space, and exports ZnS materials to abroad. In particular, it is Korea's leading optical company that produces 1.2 M mirrors for satellites, and designs and manufactures various optical systems for high-power laser systems. It is a company that designs and manufactures space telescopes and is trying to go into space by manufacturing small satellites by itself. www.greenoptics.com



Junghun Ryou (Director) is the Director of Space Business Development and is in charge of exporting large mirrors for satellites and ZnS materials to India, Japan, Canada, etc. He has translated 150 overseas optics books and authored 19 books to improve the technology of Green Optics. He also contributed translations to The Optical Journal, a Korean optics magazine, for 10 years from 2009, and in 2018, he was a member of the editorial board of K-Light, an optics academic magazine. He served as a member of the committee to review, improve, and write optics-related textbooks for the National Competency Standards (NCS) of South Korea from 2019-2021, and is currently a member of the SOC of IASS (Instrumentation

for Astronomy and Space Science) and a member of the Next Generation Spectroscopic Exploration Planning Study.

Hamamatsu Photonics, driven by Japanese excellence and market-leading optoelectronic technology, helps our customers visualize, measure, and analyze crucial information. Our mission is to establish photonics as a fundamental source of innovation for all customers. On the forefront of the development of new and existing applications, our advanced and highly sophisticated product range includes sources, detectors and imaging products designed to cover the entire optical spectrum. Present since 1953 across a vast array of industries, such as scientific research, medical, and industrial processes, we leverage added-value services and custom-made photonics solutions to meet our customer's ambitions without compromise. With headquarters in Hamamatsu, Japan, where our manufacturing and research facilities are located, we enjoy a global presence with business offices and associated companies throughout Asia, Europe and North America, and over 5,000 staff worldwide. www.hamamatsu.com



Marco Mayer (Strategic Business Development Manager) started his career as a mechanical engineer where he developed skills in the field of optics. His early professional experience incorporated periods in Telecom & Datacom, Ophthalmology and many more industries. He then applied his wide industry knowledge into sales with a focus on optoelectronic components and systems. In 1990, he joined Hamamatsu Photonics as an Area Manager for Switzerland overseeing the local sales team. He also heads the Hamamatsu Think Tank Europe group where he provides strategic support with responsibilities in Sales and Marketing throughout Europe. In January 2022, his role evolved to Strategic Business Development Manager Hamamatsu Europe.

Heidelberg Instruments, established in 1984, trusted in more than 50 countries with over 1,400 systems installed worldwide, Heidelberg Instruments is a global leader in design, development, and production of high-precision laser lithography systems, maskless aligners, and nanofabrication systems. Our tools range from tabletop solutions to high-end photomask manufacturing equipment and cater to a variety of needs. Our systems enable a broad spectrum of surface structuring on the micro- and nanoscale, including 2D-patterning, the creation of 2.5D features by Grayscale lithography, and 3D structuring through Two-Photon Polymerization. Due to their flexibility, our systems are valuable assets to the most renowned universities and R&D institutes worldwide, as well as industry production facilities. Typical fields of applications are in micro-optics and photonics, electronics, advanced packaging, quantum devices, MEMS, microfluidics, 2D materials, photomask production, and many others. www.heidelberg-instruments.com



Sonja Pfeuffer (Head of Marketing and Communications) holds a degree in French language studies from the University of Erlangen-Nuremberg. Her career spans diverse roles including sales and marketing assistant, export manager, coordinator of international projects. She excels in strategic market development, establishing representative offices, and managing global distributor networks. From 2007-2020, Sonja worked as Assistant to the Management Board at the Bavarian Cluster Nanotechnology/ Nanoinitiative Bayern, Germany, specializing in networking within nanotechnologies and event coordination. In 2020, she assumed the position of Head of Marketing and Communications at Multiphoton

Optics. Following the acquisition by Heidelberg Instruments in 2021, she now holds the same role at Heidelberg Instruments.



HOYA CORPORATION is an innovator in the growing fields of photonics and optics and extends HOYA Group's leading heritage in optical glass lenses/material and colored glass filters making and technology. HOYA OPTICS' development, creation and distribution of optical glass lenses/material and colored glass filters are comprehensive. Our products and services in Japan and throughout the world are incomparably speedy, efficient and effective. HOYA OPTICS provides optical glass lenses/material and colored glass filters for a wide range of industries such as cameras, interchangeable lenses, security cameras, optical instruments, physics and chemistry, educational materials, industrial-use and medical-use with spectral characteristics and product size according to your requirements; and manufactures and sells special glass used in various fields including electronic glasses which are often used in the electric and electronics industries. With extensive experience and achievements cultivated worldwide, all aspects of the supply chain from raw material procurement to delivery is integrated within HOYA OPTICS and we will respond to your diverse needs on a one-stop basis. www.hoyaoptics.eu



Seiya Matsumoto (Sales Manager) after gaining six years of experience in the semiconductor testing jig manufacturing industry in Germany, transitioned to HOYA, where he's been thriving as a sales professional responsible for the entire European market for the past five years. He is one of the few sales representatives with extensive knowledge in optical lenses, optical glass materials, and colored glass filters, actively contributing to our business activities.



Huawei, founded in 1987, is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. We have over 200,000 employees, and we operate in more than 170 countries and regions, serving more than three billion people around the world. Huawei's end-to-end portfolio of products, solutions and services are both competitive and secure. At Huawei, innovation focuses on customer needs. We invest heavily in basic research, concentrating on technological breakthroughs that drive the world forward. www.huawei.com



Torsten Wipiejewski (Business Development Manager) joined Huawei Technologies in 2014 and is responsible for the European business development of Huawei's Hardware Engineering Institute. He has also been appointed as Technical Advisor to president of Huawei's European Research Institute in 2017. Torsten's interest covers a wide range of technologies and materials for all the company's products from consumer electronics, smart phones and watches to routers and optical communication. Previously, Torsten was a partner at the venture capital firm VNT Management Oy and the CEO of Optogan a company based in Finland and Germany making blue LED chips. Prior to that he was the

Chief Operations Officer at Firecomms Ltd. in Cork, Ireland where he was responsible for Firecomms' worldwide production and product development of low cost leadframe based fiber optic transceivers and visible vertical-cavity laser (VCSEL) products. Torsten was also Vice President of the Photonic Components group at ASTRI in Hong Kong and Director and Program Manager at Agility Communications in Santa Barbara, CA, USA and he held management positions at Infineon, Osram, and Siemens in Germany. Torsten received a "summa cum laude" Ph.D. degree in electrical engineering from the University of Ulm in 1994.



HÜBNER Photonics is an international organization with offices in Stockholm (Sweden), Kassel and Hannover (Germany) and San Jose (CA, USA). HÜBNER Photonics is a corporate division of the HÜBNER Group, which is a privately held company with headquarters in Kassel and more than 3 500 employees worldwide. HÜBNER Photonics develops, manufactures and supplies innovative high-performance lasers and laser systems for use in a broad range of applications, including the brands of COBOLT (single-frequency lasers, modulated lasers, Ns lasers and multiline lasers), C-WAVE (tunable single-frequency lasers), C-FLEX (laser combiners) and VALO (Femtosecond lasers). With a recognition for exceptional quality and reliability, HÜBNER Photonics supply lasers to leading manufacturers of analytical instrumentation equipment, to ground-breaking innovative start-ups, as well as to some of the most renowned universities and research labs in the world. The Stockholm office of HÜBNER Photonics is Cobolt AB, which since 2015 is a subsidiary of HÜBNER Group. www.hubner-photonics.com



Elizabeth Illy (Director of Marketing) became the Head of Marketing for HÜBNER Photonics after Cobolt was acquired by HÜBNER Photonics in December 2015. Graduating with a PhD in laser applications from Macquarie University, Australia, she worked in research at Oxford Lasers specialising in micromachining. Moving from research, she went into sales working for the local distributor of Spectra Physics lasers before heading the Sales and Marketing team at Cobolt and subsequently becoming responsible for marketing at HÜBNER Photonics as well as Cobolt. As the head of marketing, Elizabeth is responsible understanding market trends and identifying opportunities.



Ingolf Cedra (Managing Director) has held the post since 2014. Ingolf earned a Dipl.-Ing. in Mechanical and Process Engineering from Dresden University of Technology (1990–97) and an MBA in Business Management from University of Augsburg/Pittsburgh (2001–2002). Prior to assuming the chief post for HÜBNER, Ingolf has served VOITH (€ 4 billion privately owned corporate company) as Senior Vice President and Business Unit manager (2008–2014), as Vice President Sales Project Management (2004–08) and as R&D Manager (1997–2004).

Ibsen Photonics is a global provider of transmission gratings and customised grating-based spectrometer modules for OEM applications. Our transmission gratings cover the UV, VIS and NIR ranges and are used in diverse industries such as telecom, sensing, lasers and spectroscopy. Our high performance, compact spectrometer modules are used by international customers in optical fiber sensor systems and spectroscopy applications such as absorption and fluorescence spectroscopy, OCT, Raman, LIBS, HPLC, and Flow Cytometry. Ibsen Photonics is a privately held company, majority owned by Foss A/S, with headquarters in Farum,, Denmark. www.ibsen.com



Henrik Skov Andersen (CEO) joined Ibsen Photonics in February 2011, bringing international experience from senior management positions at Coloplast A/S, Scandinavian Mobility and The Timken Company, and several years as a consultant at McKinsey & Co. At Ibsen, Henrik is responsible for securing strong and sustainable growth through long term partnerships with industrial customers and has grown the business 20% per year since 2014. Henrik Skov Andersen holds a M.Sc. E.E. from the Technical University of Denmark and an MBA from INSEAD.



ICFO, the Institute of Photonic Sciences, hosts over 400 researchers organized in 26 research groups working in 80 state-of-the-art research laboratories, equipped with the latest experimental facilities and supported by a range of cutting-edge facilities for nanofabrication, characterization, imaging and engineering. It is in a specially designed, 24.000m²-building situated in the Mediterranean Technology Park in the metropolitan area of Barcelona, Spain. The institute hosts an active Corporate Liaison Program that aims at creating collaborations between all types of national and international industries and ICFO researchers. It is also proactive in fostering entrepreneurial activities and spin-off creation among ICFOians. www.icfo.eu



Lluís Torner (Director) conceived, founded, implemented and leads ICFO. The institute was launched in 2002 and today it hosts 400 researchers working in cutting-edge research laboratories located in a dedicated building in the metropolitan Barcelona area. Lluís served as the elected President of the Association of Research Institutions of Catalonia during the period 2009-2014. He serves in a number of advisory roles and expert panels in many academic institutions and funding agencies based in Canada, Australia, the USA and the European Union. Lluís is a Fellow of the European Physical Society, the European Optical Society and the Optical Society of America and was the recipient of the

Leadership Award of the Optical Society of America in 2011 and the National Research Award in 2016, among many other recognitions.



ICON Photonics has developed a wafer-level integrated packaging platform combining a Silicon interposer and a unique micro-optics technology, enabling the next generation optical connectivity for Datacom / Telecom and Quantum photonics applications. This platform is ideal to create advanced packaging solutions combining multiple functionalities such as fiber coupling / attaching solutions as well as high-speed electrical interconnects. The wafer integration capability enables the next level of miniaturization, providing all-in-one-package solutions and enabling the packaging cost scalability with high-volume manufacturing, delivered thanks to semiconductor-based microfabrication techniques. www.icon-photonics.com



Carlos Viana (CEO) is the inventor, founder and CEO of ICON Photonics SAS, a deeptech startup company developing and commercializing photonics integrated packaging solutions. Since 2017, he drives the strategy, vision and execution for the company to transform photonics science and technologies into products, enabling the next generation connectivity. He received his Ph.D. degree in electronics and photonics in 2014 from the Université Paris-Est, France.



III-V Lab is an industrial Research Laboratory jointly owned by Nokia, Thales and CEA. It conducts R&D activities in the field of micro/nano-electronics and photonics semiconductor components for different applications, such as telecoms, defence, security, safety, space etc. Relying on a high level of expertise and advanced facilities in III-V materials growth and processing and their integration on Silicon, III-V lab develop a wide range of components. III-V Lab has also the capacity to produce limited quantities of epitaxial wafers, components, modules or subsystems). Such capacity is particularly adapted to address in a flexible way the rapid evolution of the market, offering to its members or partner industrial companies an early access to the components for their system development and even preliminary deployment. www.3-5lab.fr



Pascale Nouchi (Managing Director) received her PhD. degree in Optical Sciences from the University of Southern California in 1992. She has lead R&D teams for more than 30 years, in the field of optical fibers within Alcatel and Draka up to 2009, and in the field of innovative lasers and sensors within Thales. Since 2019, she is Managing Director of III-V Lab, a joint lab between Thales, Nokia and CEA LETI focusing on semiconductors components. She has authored and co-authored more than 100 papers and 30 patents. She has been TPC Chair for ECOC 2014 in Cannes and MWP 2018 in Toulouse. She was a Member of the Board of Governors of IEEE Photonics from 2015 to 2017. She has served as President for the French Optical Society from 2017 to 2019. Since its creation in 2009, she is a jury member for the Jean-Jerphagnon prize, awarded each year in recognition of innovative work in the field of Photonics.



Imagine Optic is a provider of Shack-Hartmann wavefront sensing hardware and software, adaptive optics technologies and professional services in applied optics. The company works with scientists and industrials in domains including pure science, industrial quality control, space and defense, semiconductors and many others. From X-EUV to NIR wavelengths, we develop, manufacture, distribute and support a very large range of wavefront measurement and correction technologies. From augmenting resolution in bioimaging applications to improving beam shape and propagation for ultra-high intensity lasers, we have the hardware and software to meet customer needs. www.imagine-optic.com



Audrey Le Lay (Sales & Marketing Director) has a background in Engineering in physics, optics and Laser, and an experience in the photonics market for more than 20 years. After a few positions as sales manager for the optical telecom and photonics markets for international companies, she has recently taken the position of Sales Director at Imagine Optic in order to accompany this French leading and innovating company dedicated to optical metrology and wavefront corrections in its development and promising growth for the next years. She is moreover deeply involved in the community through national and international clusters.



Samuel Bucourt (CEO) graduated from Institut d'Optique Graduate School and from HEC. He founded Imagine Optic in 1996, Imagine Eyes in 2003 and Shocklite beginning 24. The companies are offering instrumentation based on wavefront sensing and adaptive optics for academic, industrial and medical purposes and more recently a high energy fibered laser for shock applications. He is also the cofounder of Axiom Optics Inc, a US distribution company dedicated to high end European products. Samuel is the co-author of a few patents and scientific articles. He is an expert in metrology as he started his career by developing a 3D probe based on conoscopic holography (Le Conoscope). Samuel is also deeply

involved in Photonics France since more than 20 years and president of Alphanov. Samuel Bucourt is a member of the EPIC Board of Directors.



IMM Photonics develops and produces optical and optoelectronic products for a multitude of applications. Since our founding in 1992, we have been offering new and innovative components and modules to numerous customers from various technology sectors. From metrology and analytics, biophotonics and medical engineering to optical data transmission and security technology – our products are deployed in several areas of industrial production. Standard products include laser diode modules and collimators, fibre optic components, glass fibre testers and UV light sources for UV curing. Upon request, they can be customised and further developed according to specific customer requirements. In addition to standard products, we also offer OEM and ODM services. In the development of customised solutions, we adhere at all times to the customer's specifications, budget and time schedule. As a reliable and competent partner, we accompany our customers along the entire process – from prototyping to series production. Manufacturer, developer and distributor – with thirty years of experience in the photonics industry, a team of qualified engineers and developers, production sites in Germany that meet the highest technical standards and a global partner network, we are in a position to offer our customers innovative and economically effective solutions, even for complex tasks. www.imm-photonics.de



Marc Büsing (Director Sales and Marketing) started his career in the photonics as a sales engineer for laser optics, CO₂ lasers and galvanometer scanners in 2004 at BFi Optilas Germany, in 2011, he moved to sales leading position. Since then, he served long term projects as well as catalogue sales within Europe, Asia and North America. In 2022 he joined IMM Photonics GmbH as the director of sales and marketing.



IMT has its roots in the microstructuring of metallic coatings on planar optical substrates. Over the years, we have continually added to this core expertise with complementary technologies. Our solutions are now used in the semiconductor industry, medical technology, biophotonics, sports optics and optical measurement technology. In addition to applications focussing on optical functions, the IMT product range also includes components with electronic and/or mechanical functions. www.imtag.ch



INESC TEC (Institute for Systems and Computer Engineering, Technology and Science) is a private non-profit research institution, dedicated to scientific research and technological development, technology transfer, advanced consulting and training, and pre-incubation of new technology-based companies. The institution hosts over hundreds of integrated researchers. INESC TEC aims to achieve advancement in science and technology and to enable science-based innovation through the transfer of new knowledge and technologies to industry, services and public administration. www.inesctec.pt



Paulo Marques (Professor) is an Associate Professor with Habilitation at the Physics and Astronomy Department at the Faculty of Sciences, Porto University, Portugal, and is the coordinator of the Center of Applied Photonics of INESC TEC and also the director of the Micro and Nanofabrication Center of Porto University (CEMUP MNTEC). His current research interests include optical sensors, femtosecond laser direct writing techniques for integrated optics and microfabrication in general, microfluidics and optofluidics, Bragg and long period gratings applications and active devices.



INNOCISE is a German deep tech start-up developing novel handling systems for industrial pick and place processes. Its technology is based on bio-inspired microstructures, that adhere reversibly via van-der-Waals interactions on various surfaces and materials. Without requiring any compressed air or external power supply, its gripping solution is highly sustainable and the key for future energy-efficient handling processes. One of the key competences at INNOCISE is the microhandling technology that closes an important gap in existing handling tasks for miniaturized objects. This innovation enables a precise and reliable transfer of micro devices such as micro lenses, optical fibers, LEDs or optoelectronic chips ranging from a few millimeters to even below 10 microns in size. www.innocise.com

INNOLUME is the premier manufacturer of GaAs-based laser diodes and optical amplifiers covering 780-1340 nm spectral window. Combination of Quantum Dots Technology, advanced chip design and reliable coupling technology enables a number of novel communication, industrial, and medical applications. Innolume runs fully vertically integrated fab with throughput of 5M modules/year (chips + packaging), which allows fast turnarounds in product development and modification of devices for custom inquiries. Innolume DFB lasers demonstrate now higher power conversion efficiency at high temperature (20% at 100°C and above) and total laser power (above 200 mW) compared to the world leading results of InP devices. Innolume technology allows to match the operation temperature of O-band photonics to the highest operating temperature of electronics. As a proof of its leadership Innolume received the Prizm Award at Photonics West 2020 for high-power uncooled 1.3-µm DFB laser. Besides DFB lasers and laser arrays, Innolume has developed O-band DWDM and CW-WDM comb lasers (multiple wavelength QD laser, invented by Innolume in 2007) and a revolutionary ultra-low-noise comb semiconductor optical amplifier which can significantly reduce the power consumption of optical links. www.innolume.com



Sven Rüger (CEO) obtained his degree in business administration, specializing in accounting, taxation and general Management at Mainz University. Additionally, he was trained as a business coach for reframing processes. During his career in different multinationals, he acquired profound business know how in the area of specialty chemicals as well as life science / biotech and semiconductor. For several years he worked in India as well as in US. For nearly 20 years now, Sven is active as a consultant CEO / CFO and angel investor / co-founder of companies in the above-mentioned business areas. In 2021, he took over as CEO of Innolume in order to facilitate the transition into a higher volume approach company. End of 2022 Sven bought out Innolume's shares (99%) held by sanctioned Russian entrepreneurs.



inno-spec develops and produces spectroscopic measuring devices for industrial use. Our focus is on hyperspectral cameras for recording spatially resolved spectral data especially performed for industrial applications. honored with the "INNOVATIVE THROUGH RESEARCH" award, we make our contribution to better sustainability every day in order to preserve the world and its resources for future generations, e.g. by increasing waste recycling rates using our technology or increasing yield and food security as well. Together with Headwall and PerClass inno-spec provides solutions from components to integrated solutions to its partners, also in demanding volumes. www.inno-spec.de



Oliver Grass (CEO) founded inno-spec GmbH 20 years ago. He studied Microelectronics engineering and invested in the component manufacturer ASSEMBLIFY from where the interest came to invest in optical technologies. Since that time, he drives as one of the first provider of industrial Hyperspectral Imaging Cameras the business in various markets and develops continuously new products for approaching new markets for better solutions. After the merger with Headwall Group Oliver drives the Machine Vision business focusing on industrial markets for the group portfolio worldwide.



INO is the largest centre of expertise in optics and photonics in Canada and is among the best technological research centres in the world. For the past 30 years, it has created and developed innovative and valuable solutions to meet the needs of businesses in Quebec and throughout Canada. A world leader in high technology, INO has implemented more than 6,500 solutions, carried out 78 technology transfers, and contributed to the creation of 36 new companies, which provide jobs to more than 2,000 people. Through multiple light applications, from laser and fibre optics technologies to imaging systems, INO controls light to capture, identify, predict, decide or transform the real world. Its innovative solutions support Canadian businesses in several key industries through five business units: biomedtech; advanced manufacturing; energy, resources and environment; security, defence and aerospace; and city, infrastructure and mobility. www.ino.ca



André Fougères (Vice-president, Chief Technology Officer) received his Bachelor of Physics from the Université de Montréal in 1988 and his master's and Doctorate from University of Rochester (USA) in 1990 and 1994, respectively. His post-graduate studies, funded by the Natural Sciences and Engineering Research Council of Canada "Génie '67" scholarship, focused on quantum and nonlinear optics. In the summer of 1994, he joined the laser system technology group at INO as a post-doctoral scholar. He left his management position in active sensing technology in 1999 to join EXFO as Senior Product Manager for the Scientific Division at the head office in Quebec City, then in Geneva, Switzerland, at the Gap Optique SA subsidiary. Returning to INO in January 2005, Mr. Fougères' activities as program manager focused on business and technology development. In March 2008, he was appointed Director of Program management. In September 2011, André joined INO's senior management team as Vice-President, Operations and in September 2013 as Vice-President Business Development and Operations. Since July 2018, André has transitioned to Vice-president, Chief Technology Officer.



inPhocal is a deep tech startup from the Eindhoven region. Its mission is to rid the world of unnecessary pollution by introducing a unique optical technology that will allow for more efficient and new laser applications. Its patented optical technology will create a laser beam with a small spot and a focus range in which the laser beam can be used for applications such as marking, cutting, welding, wafer dicing and many more. www.inphocal.com



Robert van Tankeren (CEO & Co-Founder) is co-founder and CEO of inPhocal. After finishing his studies in Physics and working for several years as a physicist, he worked at a consultancy firm as a director, focusing on high tech companies. His main responsibilities were related to sales, general management and HR/recruiting activities. After building up experience in these fields for over a decade, he decided to become an entrepreneur with a focus to use his gained knowledge to help rid the world of unnecessary waste and pollution. Together with his co-founders, they decided to make this the mission of inPhocal.



Insight Technology Search (ITS) is an Executive Search partner to the Photonics, Optoelectronics and Semiconductor industries globally. We help our clients to find and attract experienced executives in General Management, Sales & Marketing, Operations and Engineering positions. With over 20 years of headhunting experience, ITS provide proven solutions to your senior recruitment needs in the US, Europe and Asia. We operate on a partnership-model, meaning we encourage a long-term collaboration with our clients, helping you to create sustainable growth by finding and securing the right people for your business. www.intechsearch.com



Chris Thiel (Director & Co-Founder) has 10 years of experience in technology recruitment and sales & marketing. Chris has developed a clinical precision in delivering high-value searches to leading technology companies globally. Chris specialises in addressing senior commercial, engineering and executive positions and speaks fluent German, French and Swedish, allowing him to operate on a global basis with his clients and candidates.



The Institute of Solid State Physics, University of Latvia (ISSP UL) is an internationally recognized leader in materials science and interdisciplinary subjects in the Baltic States. ISSP UL combines classic R&D with RTO functions. It is a major player in the national photonics and smart materials ecosystem. The ISSP UL combines a Center for Excellence in Material Research with a Material Research & Innovation Center. The core competence of the institute lies in materials physics from theoretical modeling to application development. ISSP UL has extensive experience in photonics, from fiber optic materials to polymeric photonics platforms, from advanced spectroscopy methods to nonlinear optics. ISSP UL recently developed a 650m2 nanotechnology center with ISO 4 - 8 class clean rooms with expertise in polymer photonics, OLED, microfluidics, thin film, 1D and 2D material nanodevices. www.cfi.lu.lv/en



Andris Anspoks (Director) has a PhD in Physics. He has an experience in entrepreneurship, innovation development, challenging projects, public sector, and science. Today he is leading the Institute of Solid State Physics with more than 300 employees and more than 120 researchers. To foster cooperation with industry, he has created Materize as a single access point speaking business language and managing industrial contracts.



Intevac, founded in 1991, we are a leading provider of thin-film process technology and manufacturing platforms for high-volume manufacturing environments. As a long-time supplier to the hard disk drive (HDD) industry, our industry-leading 200 Lean® platform supports the majority of the world's capacity for HDD disk media production, as well as all technology upgrade initiatives currently underway in support of next-generation HAMR (heat-assisted magnetic recording) media. With over 30 years of leadership in designing, developing, and manufacturing high-productivity, thin-film processing systems, we also are leveraging our technology and know-how for additional markets with our groundbreaking TRIO™ platform, which enables high-value coatings to be deployed cost-effectively on an array of glass displays and other substrates, including for consumer devices.

www.intevac.com



Nigel Hunton (President & CEO) has 35 years' experience in high technology industries. Currently CEO of Intevac. Prior to his current role, he served as President and Chief Executive Officer at Photon Control Inc., a fiber optics equipment manufacturing company, from May 2019 to July 2021. Prior to that, he served as President and Chief Executive Officer at Ferrotec (USA) Corporation, an electronics component manufacturing company, from July 2017 to May 2019. From April 2017 to July 2017, Mr. Hunton served as Special Projects Manager at Ferrotec GmbH. Nigel served as Managing Director at Hunton Associates Ltd, a management consulting company, from January 2016 to July 2017. From 2012 to

2015, he served as Chief Executive Officer of MBA Polymers, Inc., a recycling company. From 1985 to 2012, he served in various management roles at the Edwards Group, a global vacuum technology company. Additionally, he holds a Bachelor of Science degree in Mechanical Engineering from UMIST, Manchester.



I-Photonics specializes in designing and manufacturing original coating equipment tailored for a diverse range of industries, including precision optics, space exploration, telecommunications, security, augmented and virtual reality, sensors, imaging, medical devices, and the automotive sector. Our primary focus is on advancing thin film coating technologies, which we achieve through the utilization of our in-house test and job coating equipment solutions. I-Photonics is highly regarded for its ability to deliver customized coating systems, encompassing the most widely used coating technologies such as Ion-Assisted Deposition (IAD), Ion Beam Sputtering (IBS), Plasma-Enhanced Chemical Vapor Deposition (PECVD), and Plasma-Assisted Reactive Magnetron Sputtering (PARMS). Our company's expertise in designing, developing, and producing benchmark coating solutions is the result of decades of experience in supplying the best coating techniques available, tailored for both laboratory and industrial applications. I-Photonics leverages its proficiency in developing and manufacturing Optical Monitoring Solutions to produce thin films with unmatched precision, uniformity, and reproducibility. We offer a comprehensive range of services, including optical component production, coating services, and turnkey coating solutions and equipment, to meet the increasingly intricate demands of the photonics market in terms of performance and productivity. www.i-photonics.lt



Eugene Hohlov (R&D Director & Co-Founder) graduated from the Physical Department of Belarussian State University. His professional experience includes more than 20 years of design of thin film coatings and vacuum systems for different industrial applications. He started his carrier as an R&D engineer in field of optical coating, since time became a head of R&D department and finally a CEO of the company. In 2021 together with his partners founded I-Photonics. He believes that high skilled and motivated team I-Photonics could provide best solutions for new challenges in thin film optical coatings.

IRADION

CORE LASER TECHNOLOGY

Iradion Laser is a world-leading manufacturer of laser sources based on differentiated and cutting-edge laser technologies. Iradion was founded in 2007 after acquiring the intellectual property and the patent for a laser galvo coding system that used a new 10-watt CERAMICORE® laser design for the food and drug industry. In 2022, InnoLas Photonics and Iradion Laser merged under the name of “Iradion Laser Holding GmbH. “InnoLas Photonics GmbH” is a renowned manufacturer of high-quality nanosecond and ultrashort pulse laser sources for industrial applications. Iradion’s headquarters are based in Wels, Austria. The sales and manufacturing facilities are situated in Uxbridge, MA, USA, Krailling, Germany, and Shenzhen, China. The core laser technology in combination with the modular laser design enables optimized adaptation of the laser performance to customer requirements. From determining feasibility to laser integration and service – Iradion is the partner for industrial laser application. www.iradionlaser.com



Armin Renneisen (CSO & Managing Director) has more than 20 years of experience in the photonics industry and has worked for many years as Managing Director in international companies in this sector. He is currently Chief Sales Officer for the Iradion Laser Group worldwide and Managing Director of Iradion Laser GmbH. His expertise in the market segment is helping to build up the new Iradion Laser division within the TroGroup globally. He holds a doctorate in engineering from the Technical University of Darmstadt.



ISP SYSTEM specializes in design and manufacturing of high precision mechatronics. Addressing many markets such as Photonics, Defense, Aerospace, Automotive, Medical Science and Life Science, ISP designs and manufactures innovative turn-key solutions for his customers. Main products: micro-assembly machines for photonics, beam transport systems (optics mounts, deformable mirrors, active benders, fast steering mirrors), embedded electrical actuators, micro- and nano-positioning systems, high precision special machines. www.isp-system.fr





Laurent Ropert (Deputy Managing Director) graduated from the Ecole Centrale de Lyon (Engineer) and from the Technische Universität Darmstadt (Dipl.- Ing. – Maschinenbau). He started to work as a Project Manager and later on as Technical Sales Engineer in the automotive industry, first at Peugeot-Citroën, and then for Tier 1 and Tier 2 suppliers. He joined ISP SYSTEM in 2014 as Export Sales Manager, especially for the promotion of products related to opto-mechanics all over the world. He was nominated as Deputy Managing Director in 2022. He has now 20+ years' experience in dealing worldwide with large projects with technical challenges, involving partners from various horizons.



Isuzu Glass, for around 120 years, has been developing original techniques and know-how and supplying a variety of optronics products to customers using unique manufacturing methods. The products manufactured by our state-of-the-art technologies are used in various fields requiring high reliability, and our company supplies the products in a variety of markets such as projectors, lasers, medical devices, sensors, semiconductors and energy-related equipment. Isuzu Glass is committed to strive to improve our accumulated skills and strengths with the goal of creation of 'technology for customers' as a top priority. We are determined to provide more and more excellent products and services for you by setting higher hurdles with the spirit of a challenger. We welcome your requests that will set a high hurdle for us to clear. www.isuzuglass.com



Hiro Yokoi (CEO) has more than 25 years of experience in Isuzu Glass Group. Starting working at Isuzu Glass, Ltd (Japan) since 1999. Working for Isuzu Glass Hong Kong in 2004. He has been working for Isuzu Glass, Inc. (USA) since 2005. He initiated development of Double-sided glass moulded lens and IOP series (Glass Filters) of Isuzu Glass Products. He entered the Buddhist priesthood in 2023.



iThera Medical is a MedTech company based in Munich, founded in 2010 as a spin-off from Helmholtz Centre Munich. It develops, produces and markets a novel technology based on multispectral optoacoustic tomography (MSOT) for detection of tumors and chronic inflammatory diseases. In 2014, iThera won the German Innovation Award and in 2019 received a CE accreditation. With its unique ability to accurately visualize and quantify tissue molecules in-vivo and in real-time through several centimeters of tissue, the photonic molecular imaging technology is at the forefront of the next era in biomedical imaging. iThera has a very experienced world-wide team of 45 employees from 17 different countries and is preparing for strong growth, the current annual revenue is about 5 M€. The installed base already comprises of more than 120 systems at world-wide key opinion leaders. www.ithera-medical.com



Patrick Leisching (CTO) started working as CTO for iThera Medical in Munich in June 2022 and is listening to molecules to open a new era of in-vivo medical imaging. Beforehand, he was engaged for 12 years as SVP R&D for TOPTICA Photonics in Munich, scaling the R&D organisation from 24 to more than 100 people and the revenue from 14M€ to 105M€. His industry career started in 1998 at Siemens Information and Communication Network in Munich, where he had various functions from research to project management and head of optical systems R&D department, later at Nokia Siemens Networks he was engaged as head of portfolio management and finally head of product management for the

operating systems software of optical and packet transmission systems. He holds academic degrees from Technical University of Munich (Dipl.-Phys., laser physics and semiconductor physics) and RWTH Aachen (Dr. rer. nat., III-V quantum well semiconductors and THz radiation), the post-doc as Feodor Lynen fellow was performed at Ecole Polytechnique in Paris (II-VI magneto-optic semiconductors).



JOANNEUM RESEARCH is a business-oriented leader of innovation and technology providers. It is linked to a worldwide network and has been providing leading research according to the highest international standard since the 1960s. With focusing on applied research and technology development, the INNOVATION COMPANY plays a key role in transferring technology and know-how in Europe. More than 500 employees carry out research work at 7 research units. www.joanneum.at



Paul Hartmann (Director) studied physics (diploma 1991) and obtained a Ph.D. (1995) at Graz University on Experimental Physics. After several years of experience in management of R&D (AVL List Medical Instruments, Roche Diagnostics, Zumtobel LED – Tridonic Optoelectronics), he joined JOANNEUM RESEARCH Forschungsgesellschaft as Director of the Institute MATERIALS in 2010. He has broad expertise in LED Technology, Optoelectronics, Optical Chemical Sensors and Photoluminescence. He is board member of Photonics Austria, the Austrian platform for photonic technologies, and Professor for Functional Materials at the Technical University of Graz.



Jolt Capital is a fully independent private equity firm providing growth capital to European B2B deeptech companies about to go global and with current revenue from €15m to €50m. Led by seasoned investors and former C-level executives, Jolt Capital actively drives portfolio companies' expansion and exits. Jolt Capital's proprietary AI platform, Jolt.Ninja, exponentially improves mapping of Europe's technology ecosystem, ESG-compliant deal flow generation, due diligences and post-investment activities. www.jolt-capital.com

Jüke is an experienced service provider for product development, contract manufacturing and regulatory affairs. We work for companies in the fields of medical technology, analytical, bio and laboratory technology as well as photonics. Our experts have many years of experience with complex mechatronic assemblies and devices, firmware and software programming, system integration and documentation according to current standards and guidelines. Jüke is ISO 13485 certified and is a reliable partner for all phases of the product life cycle. www.jueke.de



Martin Hovestadt (CEO) studied mechanical engineering at the University of Dortmund. From 1986 to 1991 he worked at Volkswagen in Kassel in production planning where he builds his skills in organization and the planning of processes and manufacturing lines for the high-tech industry. In 1991, he joined Jueke Systemtechnik GmbH, which was just before founded by his partner Heinz Juergens and they together grow up the company. Today Heinz and Martin are the main owners of a successful technology company with 140 employees. Under his leadership, Jueke has developed into a successful service partner for product development, system integration, contract manufacturing and regulatory affairs in the high-tech sectors of photonics, medical technology, and diagnostics/analytcs. Today his professional experience is based on more than 30 years of entrepreneurial, technical and management know-how.



JX Metals Europe

JX Metals, as a leading materials company in III-V and II-VI industries, offers InP and CdZnTe compound semiconductor wafers for tele- and data communications, sensors, imaging, and new emerging applications. In addition, our wide variety of high purity metals, such as In 7N, Cd 6N, and Te 6N are used in demanding epi-growth processes for development and production. Finally, our product line-up includes high quality sputtering targets for thin film metal deposition in semiconductor production. www.jx-nmm.com



Ulrich Tobiasch (European Sales Manager) has studied chemical engineering in Germany before joining the semiconductor industry in 1997 when the transition to 200mm Silicon wafer fabs peaked in Europe. Working for durable and consumable materials suppliers he has managed several factory installation and ramp-up projects from the technical and commercial side. Major 200mm and 300mm Silicon fab projects include Qimonda (now Infineon), AMD and GF Dresden, Philips (now NXP) Nijmegen, and STMicroelectronics Rousset and Crolles. In 2001-2004 he was based in Colorado with a global position in marketing and onsite services management. Back in Frankfurt at JX Metals Europe (formerly Nikko Materials) he supports users of sputtering targets, high purity metals, InP, and CdZnTe wafers and leads the sales team for the European market. Conversing fluently in German, English, and French language, Ulrich focuses on understanding issues, providing solutions, and contributing to human development.



KERDRY is an ISO 9001:2015 & 14001:2015 certified. company specializing in the deposition of thin layers for optical and metallic coatings.

- Substrates up to 1.7 m in diameter.
- Metal treatments: soldering, electrical contacts, mirrors.
- Optical treatments: anti-reflections, mirrors, filters, Black Coating from 0.35 to 20 µm.
- Photolithography up to 8": resolution of a few microns.
- Metal and optical fiber optic processing.
- Combination of optical and metal layers on the same substrate.

KERDRY: a park of PVD (Physical Vapor Deposition) machines installed in 1000 m² of clean rooms (ISO 5 to 7). www.kerdry.com



Jorge Julian Sanchez Martinez (Business Development Manager) received PhD in semiconductors technology for low dimensional photonics applications at ETSIT-UPM (Madrid) in 2000, MsC in Physics (UCM) and Mathematics (UNED). He has more than 20 years in the sector, covering different responsibilities in the whole stakeholder chains. Jorge Julian is EC industrial expert from 2002, and (co)author of more than 30 scientific contributions in the domain. From October 2022, he is Sales and Business & Development Senior at HEF Photonics BU/Kerdry in Lannion, France.



Knight Optical, with over 30 years' experience, has been leading the field in supplying precision optical solutions to our global customer base from our facilities in the UK and USA. We supply high-quality precision optics, sub-assemblies and opto-mechanics to diverse industries such as defence & aerospace, medical, subsea, machine vision, robotics & automation, and research. Our extensive product range includes Infra-Red Optics, lenses, filters, diffusers, mirrors, optical flats, windows, prisms, beamsplitters, retarders, apertures, graticules, accessories, and optomechanics. Backed by our state-of-the-art metrology laboratory, QA department, and knowledgeable technical sales team, we consistently exceed our customers' specifications. www.knightoptical.com



Colin Overton (CEO) founded the company over 30 years ago after he began working on the John MacArthur microscope, a simple, portable device designed to save lives in Africa by identifying simple diseases and treating them quickly and effectively. Colin has taken the company to a leading position where quality and service are second to none. By making a major investment in people and a state-of-the-art metrology laboratory, Colin has created a foundation for success in which highly experienced technical consultants develop long-term partnerships with our clients, supported by the best technical talent around the world. In early

2015, Colin used his experience to open a US office and brought a unique combination of experience and dedication to Knight Optical. Headed up from the start, the US office is already rapidly attracting clients who appreciate Colin's dedication and enthusiasm. A keen carp fisherman with a personal best of 58lbs.

Lambda-X: Optical excellence, designed and built for you, designed and built for the field. Because innovation is at the core of our values, we are the trusted partner in the field of OEM optical systems for the development of pioneering programs, from design and prototyping to production and certification. Through an extended technical experience, Lambda-X provides a toolbox of in-depth knowledge and methodologies to ensure our customers' excellence. We focus on high-tech innovation industries operating in various fields: space and security, bio-medicine and life sciences and quality control of industrial or scientific processes. www.lambda-x.com



Olivier Dupont (CEO) received his PhD in Science from Université Libre de Bruxelles (ULB) in 1992. The first part of his career, 1985-2002, was academic. During that period, he worked in the Microgravity Research Center, a laboratory of the polytechnic school of the Université Libre de Bruxelles where he was involved in the development of various fluid science experiments in microgravity onboard sounding rockets and the Spacelab D2 Mission. In parallel with the scientific research, he develops as project manager, optical equipment for fluid and material science in microgravity conditions. In 1996 he founded Lambda-X with two partners. Olivier has been the CEO of the company since the beginning.



Olivier Fontaine (Business Development Manager) brought his expertise to Lambda-X after a diverse career that spans over a decade in roles from product development to project management and business development. With a Master's degree in Business and Physics Engineering, Olivier combines his understanding of technical disciplines with business acumen. Before joining Lambda-X, he developed significant experience at ABB in product development, followed by roles in project management and technical sales at LASEA, a leader in laser micromachining. At Lambda-X, Olivier leverages his background to drive innovation and growth within the optics and medical instrumentation fields, focusing on the life science and industrial process control markets.



Thierry Emeraud (Business Development Manager for Industry) joined Lambda-X (Verhaert Group) in 2015. Thierry has a solid-state physics background & obtained a Ph.D. in Photovoltaics. He has built a 30 years' experience in the industry with different positions in technical, marketing, sales and management. Among others, he has gathered a vast experience in metrology systems and process equipment for multiple industries in Europe, Japan, Asia and USA. At Lambda-X Thierry is Business Development Director for the MedTech & Life Sciences and Industry Quality & Process Control sectors.



LASEA develops and manufactures high precision laser machines and production lines for medtech, pharmaceutical, semiconductor and watch industries. With more than 3000 laser machines installed worldwide, LASEA serves world class companies and widely known research centres. Equipped with fs lasers since 2003, LASEA has acquired a special expertise in micromachining applications (zero-tapper cutting, drilling, texturing, marking, internal engraving...). Moreover, LASEA provides OEM components as reliable 3-axis laser beam deflection systems and precession subsystems. The

facilities are located in Liège & Mons (Belgium), Bordeaux & Marnay (France) and San Diego (USA).
www.lasea.com



Axel Kupisiewicz (CEO) has a Master of Applied Sc. degree in engineering physics (ULg) as well as a master's in economics (HEC-ULg). Prior to founding LASEA in 1999, he worked as Project Engineer for the CSL (one of the 4 coordinated facilities of European Space Agency). Since then, he has specialized in laser applications and machines manufacturing. He is the co-author of a few patents and scientific articles in the field. He is responsible for 192 employees worldwide, the strategic development of LASEA and its subsidiaries in Belgium, France, Switzerland and USA.



Laser 2000 Benelux, based in Vinkeveen, Netherlands, celebrates its 25th anniversary in 2024. Laser 2000 Benelux is a leading value-added reseller in Photonics. Our team of around 10 highly active field sales team & product managers bring deep market penetration of academic, industrial and life sciences markets. We are experienced in taking business from start-up to OEM volume. We will provide the right solution for you, to a level beyond your random internet searches.
www.laser2000.nl



Pieter Kramer (CEO) is, together with Freek van den Brand, co-founders of Laser2000 Benelux and is commercial director. Pieter has a scientific and optical background. After concluding his studies in Applied Physics in 1988 at the Technical University of Eindhoven, he has been active in several commercial optical sales and sales-management functions. As a result of this, Pieter has a broad photonics experience and a large personal network in the photonics industry.



Laser 2000 has grown to become the UK's leading value-added reseller in the realms of Photonics and Fiber Optic Networks. With the strategic extension across the Atlantic through AVR Optics, based in Rochester, NY, we have sculpted a unique position, offering unparalleled access to the US market for European photonics manufacturers lacking stateside presence. Our expertise isn't limited to traditional photonics. We've ventured into the emerging field of quantum technology, a move highlighted by our recent partnership with Infleqtion, a leader in the quantum information sector. This expansion reflects our commitment to pushing the boundaries of the industry. www.laser2000.co.uk

AVR Optics, emerging from Laser 2000's vision and led by a European management team, offers a tailored consultative commercial market entry & sales strategy for European companies facing the common challenges of entering the North American market. These challenges range from offering remote services to establishing a US-based office and finding a distributor that truly understands their brand and possesses the technical subject expertise and is not just a box-shifter. Our approach is designed to simplify this transition, leveraging a team skilled in both the technical nuances and commercial strategies essential for success in the US. Our collaborations with industry leaders like confocal.nl and Argolight are a testament to our deep market penetration and the trust European manufacturers place in us for their expansion into North American territories. These partnerships

underscore our capability and commitment to bridging the gap between European innovation and the US market. www.avr-optics.com



David Gillett (CEO) is CEO of AVR Photonics Group (Laser 2000 (UK) and AVR Optics). David's leadership is backed by a rich history in high-technology manufacturing, academic research, and a passion for fostering a growth-oriented, customer-centric culture. Our team, comprising professionals with advanced technical degrees and extensive experience, is dedicated to understanding and meeting the complex needs of our partners and customers. We prioritise a consultative approach, ensuring we deeply understand our partners' needs to design and implement bespoke solutions. Our dedication to innovation, employee well-being, and the promotion of STEM careers highlights our holistic approach to

not just business but societal progress as well. By choosing us, our partners are assured of a relationship that extends beyond mere transactions, one that is built on mutual growth, understanding, and a shared vision for the future.



Peter Collins (Technical and Marketing Director) holds Bachelor of Engineering (BEng) in Integrated Engineering and a Master of Science (MSc) in Photonics, both from the University of Liverpool. His career embarked in the realm of research and development, product management, and applications engineering within the laser manufacturing industry, marking a transition into sales in 2005. Over the years, Peter has ascended through various roles, amassing a wealth of experience at Laser 2000, where he continues to drive innovation and growth.



Laser Components specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. In a nutshell, we offer anything from the creation to the transmission to the detection of light at the components level. Our company has been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately two thirds of our sales revenue. As a family-run business, we have more than 260 employees worldwide. www.lasercomponents.com



Sven Schreiber (General Manager) is the face of the company to key customers, suppliers, and business partners alike. Networking for the Laser Components Group, Sven seeks out new possibilities for cooperation with counterparts in academia and the industry – be it as a supplier, customer, distributor, service provider, or research partner. Sven studied at the Universities of Leipzig and Binghamton, NY, and holds master's degrees in business administration and economics.



Laser Science Services is pioneering the distribution of a wide and diverse range of lasers, optics, optical components, accessories and related equipments catering to scientific institutions to name a few like IITs, IISC, NITs, IISERs, NISERs etc. and manufacturing industries in India. We strive to become the trusted partner for Indian institutions by delivering cutting-edge technology, exceptional customer service, and comprehensive technical support. Laser Science Services (I) Pvt. Ltd. empowers innovation by equipping Indian institutions with the advanced technology they need to excel in research and development. www.laserscience.co.in



Lalit Kumar (Managing Director) is a distinguished veteran in the laser industry, renowned for his exceptional contributions and expertise. He holds a M.Sc. degree in Chemistry from Indian Institute of Technology (IIT) Roorkee, followed by a Ph.D. degree in Bio-Inorganic Chemistry from IIT Bombay in the year 1983. He also was a postdoc and research associate at IIT Bombay until 1984. During his PhD and postdoc tenure, he published more than 10 publications in international journals. After having hardcore sales and technical support experience for 4 years in the field of scientific lasers, fuelled by his passion for lasers and a visionary outlook, He embarked on an entrepreneurial journey by founding the company Laser Science in 1988. This milestone marked the inception of a dynamic enterprise that would go on to shape the landscape of the laser industry in India. Dr. Lalit Kumar's unwavering passion, expertise, and leadership continue to shape the future of the laser industry, cementing his status as a visionary and a trailblazer in the world of lasers.



Sonal Agrawal (CEO) is one of India's most influential marketing professionals and is currently the CEO of Laser Science Services India Pvt. Ltd. She holds a master's degree in management and has over 15yrs of marketing and management experience across various industries. She has been associated with Laser Science since 2012, when she initiated the company's digital marketing division and took up the management leadership role in 2023. Sonal Agrawal, with her dynamic leadership and strategic vision, continues to drive Laser Science Services India Pvt. Ltd towards unparalleled success.



LayTec is a major provider of in-situ and in-line optical metrology for thin-film processes. These metrology tools are used in a broad range of thin-film applications such as LED & laser production, power devices and transistors, thin-film photovoltaics, oxide and organic deposition as well as other large area deposition processes. LayTec's integrated metrology provides access to all key thin-film parameters in real-time – either in-situ, during the deposition process, or in-line. Also, in-situ metrology tools for dry etching have been added expanding LayTec's portfolio along the production chain. Beyond these integrated methods, LayTec also offers mapping solutions which ideally complement in-situ measurements by providing uniformity analysis of the deposited layers. The implementation of LayTec metrology systems in production processes significantly shortens development cycles and enables an efficient quality control that helps to considerably reduce production and development costs. www.laytec.de



Kolja Haberland (CTO) is CTO and member of the Management Board at LayTec AG, a leading manufacturer of integrated metrology for the compound semiconductor industry. He studied physics at the Technical University of Berlin, where in 2003 he obtained his PhD for his work on 'optical in-situ monitoring during epitaxial growth' - LayTec's major field of application for many years. As co-founder of the company, he has been with LayTec since 1999. Over the years, he has contributed significantly to the rapid growth of this technology company, providing both industry and academia with integrated metrology solutions for epitaxy of LEDs, lasers, transistors and solar cells.

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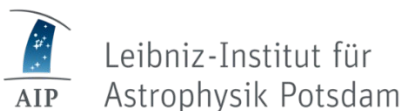
LD4B develops and manufactures reliable fiber-coupled laser diodes (LD), superluminescent diodes (SLD) and PIN, APD, PIN-TIA, and APD-TIA photodiodes (PD). Their pigtailed modules find applications in microwave photonics, quantum photonics, optical time-domain reflectometry (OTDR), Fiber Optic Perimeter Intrusion Detection Systems (FOPIDS), telecom and datacom, sensorics, biomedical diagnostics, and scientific research. www.ld4b.com



Andrei Andryieuski (CTO) received PhD degree (2011) from Technical University of Denmark for work on optical metamaterials and plasmonic nanoantennas. He has got 9 years of industrial experience (R&D and management) in laser diodes, photodiodes and fiber optics. He has been CTO at LD4B since the company's foundation in 2022.



Le Verre Fluoré was established in 1977 as a spin-off of the discovery of fluoride glasses by Poulain brothers. Over 40 years of continuous R&D effort lead to outstanding pioneering achievements, among them are ZBLAN and Fluoroindate glasses, low loss optical fibers, qualified for industrial use. High reliability and low costs outline maturity of fluoride glass technology. www.leverrefluore.com



AIP belongs to the Leibniz-Gemeinschaft in Germany and is as such dedicated to fundamental research in astrophysics. With a history going back to the Berlin Observatory that was founded in 1700, the institute covers today a wide range of research topics from solar and stellar astrophysics to the formation and evolution of galaxies and the large-scale structure of the universe. The main areas of expertise are related to phenomena of cosmic magnetic fields and of gravitation on many different scales. Next to fundamental research, AIP is also actively pursuing the development of telescopes and instrumentation with access to the largest ground-based observatories and facilities in space. AIP also hosts the headquarter of innoFSPEC Potsdam which is a BMBF-funded innovation center and a joint project between AIP and the University of Potsdam. innoFSPEC performs basic



and applied research on fibre-coupled spectroscopy, astrophotonics, and chemical sensing. www.aip.de



Martin Roth (Professor) is a Professor at the Institute for Physics and Astronomy, University of Potsdam, since 2011, and Emeritus since 2023. Since 2009, Martin has been the Chair of innoFSPEC Potsdam. He served as Research Assistant in Universitäts-Sternwarte München from 1986 to 1991. He then became an Observer at Wendelstein Observatory in 1991. He moved to AIP in 1994 and has worked there until 2023 as Head of Program. Since his retirement from teaching he continues to work as full-time staff in the Astrophotonics department.



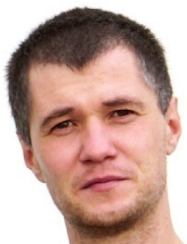
Light Conversion is the world leading manufacturer of femtosecond lasers PHAROS and CARBIDE as well as wavelength tunable ultrafast light sources based on TOPAS and ORPHEUS series of optical parametric amplifiers (OPA). Light Conversion is a privately-owned company with >450 employees. Company has its roots in Laser Research Centre of Vilnius University. Femtosecond lasers from Light Conversion are broadly used for scientific, industrial and medical applications with more than 15 years history of their usage in 24/7 manufacturing. With over 7000 various systems installed worldwide, Light Conversion has established itself as a reliable and innovative producer of ultrafast devices. www.lightcon.com



Martynas Barkauskas (CEO) is CEO of Light Conversion, a leading femtosecond laser manufacturer located in Vilnius, Lithuania. Previously, Martynas held different positions within the company working at femtosecond laser development, managing world-wide service activities, and serving as head of sales. He holds a degree in laser physics from Vrije Universiteit Amsterdam, the Netherlands, and PhD in ultrafast spectroscopy from Vilnius University, Lithuania.



Lightnovo has been founded in 2019 by a team united by the belief in making a difference with innovative Raman spectroscopy solutions. Our goal is to provide premium performance Raman spectrometers and microscopes with the World's smallest form factor at a price that democratizes access and opens new application areas. Lightnovo's mission is to "Harness the power of Raman spectroscopy and make it widely accessible for the benefit of mankind.". It is our vision to become the recognized leader in providing the highest value Raman spectroscopy and Raman microscopy solutions for research, industry and healthcare. www.lightnovo.com



Oleksii Ilchenko (CEO) obtained PhD in the field of Laser Physics and Optics in Kyiv, Ukraine in 2016. Then he moved in Technical University of Denmark as a postdoctoral researcher where he developed IP that created a base for foundation of company Lightnovo. In 2019, together with the team of founders, Oleksii created Lightnovo - company that designs and produces affordable and high performance Raman spectrometers and microscopes.



LightTrans International is the general distributor of the fast physical optics software VirtualLab Fusion and offers software licenses, technical support, and training. Our solutions provide the next level of combined accuracy, flexibility, and speed in optical simulation technology. Customers benefit in an ever-growing range of applications, including but not restricted to:

- diffractive optics
- gratings & metasurfaces
- diffusers
- AR/VR glasses
- advanced modeling of lens systems
- fiber coupling
- ultrashort laser physics
- scattering
- interferometry

Our experts support your development team also through technical support projects. The software VirtualLab Fusion is developed and produced by our partner company Wyrowski Photonics.

www.lighttrans.com



Stefan Steiner (CTO) is the CTO at LightTrans International. He started out as an optical scientist, almost 7 years ago and became Principal Scientist, 4 years ago. Now, he is the head of the optical engineering department and therefore responsible for the management of customer projects, consulting services, and training courses at LightTrans. He also gathers and evaluates requirements in the field of optical modelling and design arising from the latest innovative applications in the market and develops new solutions and simulation technologies. With more than 12 years in micro-structure technology and fabrication, he is responsible for the in-house designs of waveguide devices for augmented and mixed reality, where he draws from the knowledge gained during his Ph.D. work at the University of Jena and Fraunhofer IOF.



LINKS has been working for almost 20 years at national and international level and was formed by merging two historical research Institutes, the Istituto Superiore Mario Boella (ISMB) and the Istituto per i Sistemi Territoriali Innovativi (SiTI). Thanks to the cooperation of more than 160 researchers the Foundation oversees technical-scientific disciplines in digital technology and regional development such as: Artificial Intelligence, connected systems and IoT, cybersecurity, advanced calculation systems, satellite systems. All this is then applied to make innovative projects in many application fields: industry 4.0, Intelligent Mobility, Agritech, Space Economy, Smart infrastructures, Cultural Heritage. www.linksfoundation.com



Antonino Nespola (Senior Researcher) received his M.S. and Ph.D. degrees in Electrical Engineering from the Politecnico di Torino, Turin, Italy, in 1995 and 2000, respectively. From 1997 to 1998, he was a visiting researcher at the Photonics Laboratory of California Los Angeles. From 1999 to 2003, he coordinated the Optical Systems Unit at Corning OTI, focusing on high-speed modulators. In 2003, he joined Pirelli Labs to work on a new generation of integrated optical systems based on nanotechnologies in synergy with scientists from the Microphotonic Center of the Massachusetts Institute of Technology. Since 2004, he has been

coordinating the Optical Communications Unit at the LINKS Foundation and holding a position as an adjunct professor at Politecnico di Torino. In 2023, he became a scientific coordination committee member of the VCSElence Centre of Excellence, which provides services related to the modelling, design, characterization, and system testing of VCSELs. From 2024, he assumed the role of Scientific Director of the CNIT (National Inter-University Centre for Telecommunications) research unit called Fondazione LINKS, which oversees research, innovation and technology transfer in many technical-scientific disciplines, including artificial intelligence and fibre optic communications. Throughout his career, he has established collaborations with Cisco Photonics, Politecnico di Torino, Istituto Nazionale di Ricerca Metrologica (INRIM) and numerous other universities and research centres in Europe and worldwide. This is evidenced by his numerous joint academic publications and conference contributions dedicated to advancing coherent optical systems and improving optical links within data centres. His main research interests are digital signal processing techniques in optical links, nonlinear optics, and modelling and experimental implementation of optical communication systems. He has authored or co-authored over 150 papers in leading journals and conferences and holds five US/European patents.



Lithium Lasers is a deep tech startup specialized in the design and manufacture of cutting-edge ultra-short pulse lasers tailored for high precision applications. Our mission is to make ultra-short pulse laser technology more suitable for industry. To reach this goal we believe lasers have to be more flexible, easy to use, compact and able to combine speed and precision. We developed FEMTOFLASH, a femtosecond GHz-burst laser that redefines industrial micromachining standards. With high burst energy, flexible burst shapes, and adjustable burst frequency, FEMTOFLASH empowers users to achieve unparalleled precision and speed. At the core of FEMTOFLASH is a patent-pending design that eliminates CPA and fiber pre-amplifier stages, resulting in a more compact and lightweight ultrashort pulse laser. In our Application Innovation Lab, we take an application-focused approach to find the right recipes and solve the most difficult design and production challenges. The combination of our laser solutions and application competences helps our users defy conventional manufacturing limitations and maximize the value of ultra-short pulse laser processing. www.lithiumlasers.com



Alessandro Greborio (CEO) is the founder and CEO of Lithium Lasers. With a PhD in laser physics and over 10 years of experience in the laser industry, he is recognized as an expert in the design and production of ultra-short pulse lasers. Alessandro earned his PhD in Engineering focusing on high-power ultrashort-pulse laser sources at the University of Pavia (Italy). Prior to establishing Lithium Lasers, he held positions as an R&D engineer at Spectra-Physics (Rankweil) and at NKT-photonics (Zurich). His primary focus lies in developing innovative approaches and solutions to advance femtosecond lasers into industrial-grade applications, a vision that led to the founding of Lithium Lasers in 2019.



Martina Pagani (COO) joined Lithium Lasers in 2020. She obtained her M.Sc. in neurobiology from the University of Pavia (Italy) and her Ph.D. in neuroscience focused on bio-photonics and electrophysiology from the University of Zurich (Switzerland). Driven by a passion for entrepreneurship and technology startups, Martina obtained an EMBA from Quantic School of Business and Technology (USA). Now, she is the Chief Strategy Officer and is responsible for strategy formulation and management to bring the company closer to its mission of making ultra-short pulse laser technology more suitable for industry.



Lithuanian Laser Association (LLA) strives to consolidate the efforts of its members and the Lithuanian laser community, in retaining and persistently strengthening the leading positions of the laser and closely related fields, counting both science and commercial developments. Companies under the LLA umbrella ensure the highest quality R&D, services, and products ranging from micro-lasers to the utmost sophisticated equipment for Extreme Light Infrastructure facilities. www.ltoptics.org



Kristina Ananičienė (Executive Director) is the Executive Director of LLA, LITEK™ cluster manager with a master's degree in physics and experience in business management, clustering, marketing and internationalization. Promoting R&D+i activities and knowledge transfer, searching for new partners in R&D and industry, representing nationally and internationally, building Lithuania's photonics community.



Litilit is on a mission to advance industries through well-designed, reliable and affordable femtosecond lasers. The company 12+ years of experience delivering fiber lasers and related components for industrial, medical and scientific applications. www.litilit.com



Nikolajus Gavrilinas (CEO & Co-Founder) has more than 15 years of experience managing design and production of optical modules, optical telecom devices and fiber lasers. Since 2003 he was leading R&D at an innovative telecom component manufacturer. In 2015 Nick co-founded Litilit (known as Integrated Fiber Optics at the time). Nick also serves as a principal project implementer at the Center for Physical Sciences and Technology. He holds 4 patent applications (one in the US) and he is a co-author of 2 scientific publications.



Liverage Technology is a Taiwanese company which was founded by professional engineers in the industry in 2003. We developed our own products and produce it in our Taiwan's factory, our team members pride themselves on our innovation and dedication to the highest quality in the fiber optical industry. We are a professional manufacturer of high-quality fiber optical components, transceivers, and measurement equipment. We also provide customized products for our customers, OEM/ODM. Liverage is targeting for the increasing market of testing equipment with high quality but also user friendly, and we are always pleasure to provide the niche market products for everyone. www.liverage.com.tw



Cara Gau (Business Development) is Liverage Technology’s regional sales responsible for the European market. She is based in Amsterdam, Netherlands, providing the best service for Liverage’s European customers and develop the business in Europe. Cara is 25 years old and is also studying for a master’s degree at the University of Amsterdam, major in Digital Business. Cara used to help Liverage with attending exhibition all over the world (OFC, ECOC, FOE, Computex) and officially joined the company in 2020.



Lobre is specialized in the design, development and manufacturing of high-precision optical systems for OEM’s, research centres and university science departments accumulating in more than 74 years of activity a unique experience of both authentic ancient craftsmanship and the deployment of state-of-the-art CNC machinery. This forms the basis for our R&D department to design, develop and manufacture our customized optical systems and components in a cost-efficient way, tailor-made to the client’s specific needs. We offer full service in Optical engineering: From planning, development and prototyping to mass production, offering customer-dedicated optical assembly services and high-precision optical systems, ready to be installed with an excellent quality/price ratio. Lobre is a fully vertical integrated manufacturer: all production phases of optical systems, objectives and optical components are fully realized in-house. Even the mechanical parts are designed and manufactured in-house, in our own mechanical production facility in Milan. Having development and fully integrated production capability in house enables us to serve our clients with the best solution possible in a timely manner. www.lobre.it



Luceda Photonics enables photonic IC designers to enjoy the same power as electronic IC designers. We automate and integrate the complete photonic design flow. Our Python-based platform enables design teams to easily share and reuse their photonic design IP using a standard language. We leverage more than 50 years of photonic experience to help our customers create manufacturable designs. Our design products bundle our expertise to enable our customers to quickly achieve their first tape-out and get their design right the first time. www.lucedaphotonics.com



Erwin de Baetselier (CEO and Co-founder) has worked in several management roles for the EDA and multi-physics industry in companies such as HP and Agilent. He holds a PhD in electronics from the University of Gent and a Master of Business and Technology degree from the University of New South Wales. In 2014 he co-founded Luceda Photonics.

Łukasiewicz – IMiF (Łukasiewicz – Institute of Microelectronics and Photonics) was founded on 1 October 2020 on the merger of the Łukasiewicz – Institute of Electron Technology and the Łukasiewicz – Institute of Electronic Materials Technology, conducts scientific research and performs developmental work in the fields of micro- and nano-electronics, materials engineering, optoelectronics and nano-photonics, microwave electronics, power electronics, transparent and flexible electronics. The Institute implements and disseminates the results of these works in the economy, being open to cooperation with entrepreneurs. The research at the Institute is organized around technology lines for: optoelectronic subassemblies, silicon subassemblies, wide band gap semiconductor subassemblies, advanced materials and the LTCC technology. These state of the arts lines enable the scientific community to participate in research, and entrepreneurs to develop new solutions. www.imif.lukasiewicz.gov.pl



Kamil Pierściński (Research Group Leader) received the M.Sc. and engineering degrees in physics from the Warsaw University of Technology in 2004 and the Ph.D. degree (with hon.) in semiconductor laser physics from the Institute of Electron Technology, Warsaw in 2009. From 2012 to 2013, he was a Postdoctoral Researcher at École polytechnique fédérale de Lausanne, working on optically and electrically pumped wafer-fused VECSELs. His main research interests include optical spectroscopy of semiconductor materials and devices with his current research on design and electrical, spectral, and thermal characterization of mid-IR QCLs and their applications.



Lumics, founded in 2000 and headquartered in Berlin, is a leading key player for design and manufacturing of high-power diode lasers. Due to Lumics' own semiconductor laser chip fab in-house they can guarantee and control proprietary capabilities which range from chip level up to fiber-coupled diode laser modules and complete solutions based on single emitter technology. The portfolio comprises multi & single mode diode lasers from 670nm up to 1940nm. The LuOcean™ series features an unmatched choice of both single and multiple wavelengths modules, sensors and accessories, with output powers from 1W up to >800W. Proprietary driver boards and heat management solutions complement the offering. Other industry standard solutions include 2-pin TO packages up to 12W and single mode 14-pin BTF packages up to 1.2W (peak power). The lasers find numerous applications in Medical & Life Sciences, Material Processing, Analytics, Sensing, Metrology, Seeding, Pumping, Illumination, and many more. www.lumics.com



Beate Sauter (CEO) has >24 years of international management experience in the laser & photonics industry and is a globally recognized technical sales and application expert in this market. She joined Lumics in 2013, and has been instrumental in leaping the company forward to becoming one of the top leaders of diode laser solutions for medical & life-science applications as well as other profitable niche markets in industry and science. Prior to Lumics, Beate held senior management positions at a number of leading photonics companies, including Sales Director Europe for US diode-maker Intense, Key Account Manager South Europe for Edmund Optics, and Director Sales & Marketing for Toptica Photonics where she played a key role in the company's first years. She also serves as mentor within the EPIC Photonics Mentorship programme.

LUX Photonics Consortium (LUX) is a public-funded organization supported by National Research Foundation (NRF) and hosted by Agency for Science Technology and Research (A*STAR) in Singapore. A national level platform that strives to facilitate photonics IP commercialization and encourage stronger research partnerships between Institutes of Higher Learning (IHLs) and the industry, in developing groundbreaking applications and to act as a link with the global photonics network. www.luxphotonicsconsortium-sg.org



Kim Hai Sim (Industry Development Manager) is the industry development manager at LUX Photonics Consortium where he joined since the establishment of the consortium in 2015. He is responsible for developing and fostering close collaborations and partnerships between industry and academia as well as the photonics communities. Prior to LUX, he was a product marketing manager at Globalfoundries and experiences in the semiconductor industry.



Tjin Swee Chuan (Chairman) was appointed Associate Provost (Continuing Education) and Chief Executive, PaCE effective 1 March 2022. He is the President's Chair Professor of Optics and Photonics in the School of Electrical and Electronic Engineering. He is also concurrently the Co-Director of The Photonics Institute (TPI), and was appointed the Founding Chair of the National Research Foundation (NRF) funded, LUX Photonics Consortium, which is a national consortium involving 74 companies and more than 70 faculty members from NTU, NUS, SUTD and A*STAR. He joined NTU in 1991 as a Lecturer in the School of EEE. He was appointed as Coordinator of the Photonics Research Group in 2000 and became the Founding Director of the Photonics Research Centre from 2003 to 2008. He was concurrently appointed as the Co-Director of the Singapore-University of Washington Alliance in Bioengineering Programme (SUWA) from 2004 to 2007, managing a S\$26M research funding from the Biomedical Research Council under the Agency for Science Technology and Research (A*STAR). From 2004 to 2009, he was appointed as one of the Co-Directors of the Thales@NTU Joint Research Laboratory, which is the first satellite laboratory with a University that Thales Research & Technology (TRT) formed outside of Europe. Professor Tjin was appointed as the Deputy Director of the Lab. From 2005 to 2008, Professor Tjin was appointed as the Assistant Director of Research, assisting the Director of Research to manage research proposals. He was appointed as Director, Research Support Office from 1 Sep 2008 to 31 March 2010. He was Director (Projects) in the President's Office from 2011 to 2017 and the Associate Chair (Research) for the School of Electrical and Electronic Engineering from 1 July 2014 to 30 June 2017. Professor Tjin's research interests are in fibre optic sensors, biomedical engineering and biophotonics. Over the years, he has published more than 300 refereed journal papers and conference papers, and has filed 40 patents in fibre optic sensors, biomedical engineering and biophotonics. To date, he has received more than \$28M external research grants as principle investigator, and in Dec 2000, he pioneered a start-up company that manufactures fibre optic sensors which provides sensing solutions for civil and geotechnical applications. More recently, he started another company with a colleague using the fibre optic technology for monitoring contaminants in water, that he had developed in his lab.



Maiman Electronics is specializing in development and manufacturers Laser Diode Drivers, TEC controllers and plug and light Laser Diode Modules, Photonics Integrated Circuit controllers controllers. Company provides ultra-compact and highly reliable solutions that can be easily integrated into the customers laser system. This makes Maiman Electronics SL an important partner for companies across various industries: medical devices (skin rejuvenation, hair removal, nerve stimulation, varicose vein treatment and etc), materials processing (marking, welding, cutting, soldering and etc, 3d printing), Illumination, sensors, lidar, raing finders, spectroscopy, microscopy, analytical instruments, pumping and seeding, gas detection, scientific research.
www.maimanelectronics.com



Alexey Gayoso de los Santos (CEO) holds a Diploma in Economics and management of innovative activity of an enterprise and production management from the ITMO University (Institute of Fine Mechanics and Optics). Prior to founding Maiman Electronics in 2017, he worked for 6 years at Fedal company. Alexey started as a project manager and worked his way up to Sales and Marketing Director. He brought the company to the global market and signed distribution agreements with companies from the UK, China, USA.



MBDA is a unique multi-national European group, a world-leader in the field of complex weapon systems, playing a key role in keeping nations safe. Created in the spirit of international co-operation, MBDA and its more than 14,000 employees work together to support the national sovereignty of France, Germany, Italy, Spain and the UK, and other allied countries worldwide. As an accelerator for innovation, MBDA is the only European group capable of designing and manufacturing complex weapons to meet the full range of current and future operational requirements of the three armed forces (land, sea and air). Airbus (37.5%), BAE Systems (37.5%) and Leonardo (25%) jointly own MBDA. www.mbda-systems.com



MEETOPTICS helps engineers and researchers find the optics and photonics components they need for developing their prototypes thanks to our search platform. MEETOPTICS has the largest database in the photonics industry with almost 100.000 products listed: Optics, Light Sources (lasers, diodes, LEDs...), Detection Devices (cameras, spectrometers, photodiodes...), Optomechanics, Fiber Optics, Opto-electronics. We help professionals in our industry to quickly understand the technical capabilities of trusted manufacturers, whilst manufacturers can access those professionals at the moment of their needs in an up-to-date centralised platform. We developed a community of 90.000+ professionals that grows by 10% to 15% per month. www.meetoptics.com



Bárbara Buades (CEO & Co-Founder) finished a PhD in Photonics (Attoscience: Ultrafast & non-linear optics) at ICFO - The Institute of Photonics Sciences in Spain (2018), MSc in Photonics by Imperial College London UK and background in Physics (BSc+MSc). After her PhD, she co-founded MEETOPTICS together with Dr. James Douglas, to help researchers and engineers in Optics and Photonics find photonics components, equipment and technologies for their setups. MEETOPTICS developed what started as an optics metasearch, something like Skyscanner or KAYAK but for optics. Now with more than 85.000 optics, light sources, Optomechanics, Fiber Optics and Detection devices, they help +30.000 professionals every month around the world, mainly in Europe and North America.



Menhir Photonics is a worldwide supplier of ultrafast lasers (picosecond and femtosecond lasers) and related photonics solutions. We focus on industrial quality by emphasizing the reliability and robustness of our products. This allows our ultrafast lasers to be used in all conditions, from laboratory setups to space applications. Thanks to innovative technology and design, the lasers offer extremely low phase noise and timing jitter at record high pulse repetition rates, making them the right choice for numerous applications including timing & synchronization, microwave generation, and applications in telecommunication such as quantum key distribution or photonic analog to digital conversion. www.menhir-photonics.com



Florian Emaury (CEO and Co-Founder) is CEO and Co-Founder of Menhir Photonics. After graduating in 2010 from the Institute d'Optique Graduate School in Paris (MSc in Photonics/Physics), his career started with engineer experiences in Fianium (UK) and Coherent (CA, USA) before joining ETH Zürich to obtain a PhD in Physics in 2015 in the group of Prof. Ursula Keller. Since then, Florian is devoting to create business opportunities with femtosecond lasers. In May 2018, Florian co-founded Menhir Photonics to offer reliable and turnkey ultrafast lasers to its users.



Messe München is one of the leading exhibition organizers worldwide with more than 50 of its own trade shows for capital goods, consumer goods and new technologies. The LASER World of PHOTONICS has developed an international trade fair network. The LASER World of PHOTONICS in Munich is the world's leading laser and photonics trade fair and as the innovation pacemaker is where the global photonics industry gathers every two years. Europe's largest World of Photonics Congress is part of the trade fair. In parallel, the World of QUANTUM, the leading platform for the international quantum community, is taking place as well as automatica, the leading exhibition for smart automation and robotics. The LASER World of PHOTONICS CHINA and the LASER World of PHOTONICS INDIA are leading regional trade fairs for laser and optical technologies and are staged annually in China (Shanghai) and in India (alternating between Bengaluru and Mumbai). With a total of more than 2,600 exhibitors and around 100,000 visitors at these trade fairs in Munich, China and India, Messe München is the world's leading trade fair organizer for lasers and photonics. www.messe-muenchen.de



Anke Odouli (Exhibition Director) received her MA in Communication Science from the Johannes Gutenberg University in Mainz. After her studies, she began her career in the trade show business at the German American Chamber of Commerce in New York City, where she represented Messe München in the US. Since 2007, Anke has held several positions at Messe München in Munich, working for world leading trade shows such as electronica and productronica. As of December 2019, she has been the Exhibition Director for LASER World of PHOTONICS, the World of Photonics Congress and the World of QUANTUM in Munich, and since 2021 she also has been in charge of the worldwide network

including LASER World of PHOTONICS China and India.



Mintres is a Dutch company specialising in shaping, metal coating and assembling of ceramic components using diamond and AlN as base material. The main products are submounts/heat spreaders for diode lasers, Optical ICs, high brightness LEDs and high power RF transistors, all made in house using advanced techniques such as laser cutting, sputter deposition, photolithography, wafer dicing and various plasma techniques as well as high standard QC testing and inspection. It does apply R&D, prototyping and low and high volume production. It is ISO9001:2015 certified. www.mintres.com



Xiao Tang (CEO and Co-founder) received BSc in Applied Physics from Chongqing University in China, MSc in semiconductor surfaces from Technical University of Eindhoven and PhD in making GaAs solar cells from Radboud University Nijmegen in The Netherlands. Worked for Chongqing University (teaching assistant), ASM International (CVD Al metallization for Si wafers), Drukker International and Element Six (various diamond related process and product development) before establishing Mintres in 2008. Especially interested in doing new product and process development work in the area of Thermal

Management for high power Electronics and Opto-electronics.



Gijs Brienen (Sales Engineer) is working as a sales engineer for Mintres B.V. Currently finalizing his study, commercial economics, at Fontys University of Applied Sciences in Eindhoven. Previously also worked as sales engineer at another company in the semiconductor industry.



mirSense is a French manufacturer of quantum cascade lasers and gas spectrometers. Our clients are all over the world, from university labs to large industrial manufacturers, in diverse sectors like automotive, biogas, medical or defense. We manufacture high-power lasers delivering watt-level power in the mid-infrared (4, 4.6, 4.8 microns) and we also manufacture DFB lasers for spectroscopy applications in the [10-17] microns wavelength region. Our clients can purchase turnkey systems for lab use, OEM systems including laser + driving electronics or packaged QCL lasers and even chips on submount. www.mirsense.com



Mathieu Carras (CEO) is the acting CEO and main shareholder of mirSense since its founding in 2015. Prior to the founding, Mathieu headed for 10 years the mid-infrared team of French defense company Thales, where he supervised extensive R&D work on quantum cascade lasers and which led to the spin-off of the company. Today, Mathieu is an expert on quantum cascade laser-based systems, be it for spectroscopy, defense or other kind of applications. Initially, he graduated as an engineer from French Centrale Paris engineering school and did his Ph.D. in physics on the 'Electronic and electromagnetic optimization of infrared quantum detectors'.



Mitsubishi Electric Group will contribute to the realization of a vibrant and sustainable society through continuous technological innovation and ceaseless creativity, as a leader in the manufacture and sales of electric and electronic equipment used in Energy and Electric Systems, Industrial Automation, Information and Communication Systems, Electronic Devices, and Home Appliances. www.mitsubishielectric.com



Tomotaka Katsura (Senior Manager of Solid State Laser Development Section) studied applied physics with Master degree from Tokyo University. He joined Mitsubishi Electric in 2002. He had developed solid state laser oscillators (UV and DUV) and laser process technologies for photovoltaics and LCDs at Advanced Technology R&D center for about 20years. From 2023, he has been working in Industrial Mechatronics Systems Works and develops high power laser light sources and laser process machines.

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Modulight is a leading Finnish technology company that specializes in designing and manufacturing innovative laser solutions. Their extensive range of products includes semiconductors, laser modules, and complete cloud-connected laser platforms. They cater to the demanding needs of pharmaceutical and technology companies worldwide, providing cutting-edge laser solutions for various biomedical applications such as oncology, ophthalmology, genetics, and diagnostics. In addition to this, Modulight offers customized lasers and laser platforms that cover a wide range of wavelengths, from UV to 2000+ nm, for high value-add applications such as quantum computing, sensing, and digital press. As a fully vertically integrated company, Modulight's own laser fab in Tampere, Finland, ensures that their customers enjoy complete control over supply and change, along with tailor-made solutions. With over two decades of experience in the field, Modulight has established itself as a trusted ISO9001:2015, ISO14001:2015, and ISO13485:2016 laser technology company listed on the NASDAQ First North exchange. By consistently pushing the boundaries of innovation, Modulight is committed to providing the highest quality products and services to its customers around the globe. www.modulight.com



Petteri Uusimaa (Founder & CTO) holds a PhD in semiconductor physics from Tampere University of Technology. Since 1997, Petteri has been managing semiconductor sales to multinational companies and was a Founder and CEO of Modulight until 2019 when he took the position of Chief Technology Officer. He has been a member of Modulight board since incorporating the company in 2000. Petteri has served full 6 years in EPIC BoD and is currently member of the EPIC Medical committee and CLEO-JCA. He was nominated as the CTO of the year 2022 in Finland.



Monocrom started their passion for lasers back in 1993 when their first laser was developed in Vilanova i la Geltrú, Spain. Today, Monocrom Laser Diode Solutions advance sectors and industries where exist conventional technologies are reaching their limits in terms of speed, precision, efficiency and sustainability. Monocrom design develop and manufactures high-power diode lasers for the Medical, Aerospace & Defence and the Industrial sectors, based on it's own Patented technology of mounting- Clamping. Monocrom has been able to achieve a very nice pace of growing since 2015 by implementing process automation, high quality assurance and a "YES WE CAN" target-oriented way of thinking. www.monocrom.com



Elad Volfin (Chief Revenue Officer) has a vast experience in Electro magnetics, Big data and intelligence, and a background in Electronics engineering and Business administration and has been part of the Photonics industry for more than 12 years. In the last year, after acting as the VP of Sales & Business Development for Monocrom, Elad is now holding the Position of the CRO of Monocrom, exploring for new collaborations, investments and partnerships in the industry.



Mountain Photonics



Mountain Photonics represents innovative manufacturers of lasers, light sources, instruments for optical measurements, optomechanics and photonic accessories in the German speaking market and some neighbouring countries. Furthermore, we develop our own product lines for integrating spheres (Mountain Spheres), customized optical components (Mountain Optics) and optical measurement devices (Mountain Instruments) and offer services like order measurements, calibration or product trainings. With together about 80 years of experience in the photonics industry our sales team accompanies and supports our customers to master their measurement tasks by adding additional value to each application. We are the first point of contact for all questions concerning optical measurements, offer orientation at the beginning of the purchasing process and, if desired, also accompany our customers during their project. Intensive consulting and our technical expertise enable us to build long-term and trusting customer relationships. www.mountainphotonics.de



Michael Rotschädl (CEO) graduated in industrial engineering in 2010 from University of Applied Sciences in Kempten. The same year he joined Mountain Photonics, formerly known as Optoprim, as a sales and applications engineer. He was responsible for all kinds of light sources, spectrometers as well as its accessories. In 2015 I became the general manager of the company focusing on expanding the distribution network as well as building and developing own products under the brand name Mountain Instruments.



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MPS Microsystems develops and manufactures high-precision and high-performance electro-mechanical microsystems. By managing the miniaturization and integration of functions in small spaces, MPS Microsystems provides solutions that meet specific customer requirements. The MPS product family includes, but is not limited to: “short stroke, high frequency lens focusing mechanisms” based either on flexure elements or linear actuators; “compact zoom mechanisms” used for laser guidance or stereoscopic surgical cameras; and “particle free laser focusing systems” suitable for laser cutting or other laser machining technologies. MPS Microsystems also offers a standard range of mechanical components, such as linear bearings and ball screws. Located in Bienne, Switzerland, in a modern and well-equipped facility, MPS Microsystems offers its 220 employees an exceptional working environment and provides customers with unique capabilities that are perfectly suited to the requirements of the optics & photonics industry. www.mps-microsystems.com



Eugen Bärwald (Area Sales Manager) has a mechanical engineering background. He has worked for over a decade in the high precision bearing applications. Eugen has been working at MPS Microsystems since November 2020 and is responsible for the business development in Europe. He is curious about optical technologies and enjoys looking for new applications where MPS can provide added value to the industry like precise miniaturized zoom mechanism or fiber positioning x-y stages.



Grégoire Bagnoud (Director Business Development) has a master’s degree in mechanical engineering from the technical university (ETH) in Zurich, Switzerland. He joined MPS Microsystems six years ago and has been in charge with the development of the product and service portfolio to address better the needs of the optics & photonics and medical markets in Europe and USA. Before joining MPS Microsystems, he has had management roles in sales, marketing and innovation for fifteen years in different companies supplying drug delivery devices to the pharmaceutical industry.



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Nanoplus Nanosystems and Technologies is the technology leader for distributed feedback lasers for high-precision gas sensing in industry and research. We design and produce monomode laser diodes (760 nm – 3000 nm), interband cascade lasers (3000 nm – 6000 nm) and quantum cascade lasers (6000 nm – 14000 nm). Based on more than 15 years of experience, we support our customers with extensive engineering know-how, OEM solutions and various technological services. Our devices operate reliably in more than 20.000 installations worldwide. Applications include

industrial process optimization, oil & gas, environment, defense, safety, automotive, health and space. nanoplus is a ISO 9001:2008 and ISO 14001:2004 certified supplier. www.nanoplus.com



Johannes Koeth (CEO) graduated 1996 in Physics at the University of Würzburg with studies on molecular beam epitaxy (MBE) and optical properties of GaN. During his Ph.D., he worked on MBE of lasers in the AlGaSb system in the wavelength range between 1.5 μm and 2.0 μm . One of the main topics of his thesis was the investigation of GaSb based emitters on GaAs substrates. He realized the first GaSb edge emitting laser diodes based on GaAs as well as optically pumped Ga(Al)Sb/AlSb VCSELs, both at 1.5 μm . In addition, he developed and characterized antimonide based DFB lasers in the 2 μm range. In 1998, he founded nanoplus Nanosystems and Technologies GmbH and has presided the company as CEO since then.



Nanovation is your supplier for bespoke wide bandgap oxide coatings. We are specialised in providing these opto-semiconductors with unique multifunctional combinations of visible/IR transparency, electrical conductivity, light management (via nano structuration and plasmonics) and tunable uv absorption (Nanovation's groundbreaking gallium oxide uvc photodetectors (190-250nm peak response) were recently launched into space on a mission to measure the earth's radiation balance). www.nanovation.com



David Rogers (Director) After a PhD in Physics from the University of Glasgow and an early research career at Carnegie Mellon University (US), Philips Central Research Laboratories (Netherlands), and Nippon Telephone and Telegraph Basic Research Labs (Japan) David co-founded an oxide semiconductor foundry (Nanovation - www.nanovation.com) in Paris in 2001. David is the author/co-author of over 30 patents and 150 publications. He is also an organiser and a regular invited speaker at numerous international conferences. In parallel with developing Nanovation, he has pursued an academic career and is currently an Adjunct Professor at the University of Technology of Sydney.



National Science Platform FOTONIKA-LV in quantum sciences, space sciences, and related technologies at the University of Latvia originated on April 24, 2010. The research community alongside high-quality science and impressive experience in the implementation of national and EU research projects, sustain for decades intensive ties with an excellent club of Latvian research-driven SMEs (*on average 15% annual growth in turnover since 2012. Summary turnover will be close to 300 MEUR in 2022*) and is making efforts to boost the ambitious initiative - Pan-Baltic transregional smart specialization RIS3 in Photonics. www.fotonika-lv.eu



Arnolds Ūbelis (Science Manager) is a visible researcher and experimental physicist in the area of atomic physics, quantum sciences, and laser technologies, and an experienced science manager. He served as a Coordinator of the Latvian National Contact point system of EU Framework programs for 20 years, since 1999. His Google Scholar account indicates more than 70 scientific publications including the editing of several books. He has been a coordinator of several large-scale EU Framework Program consortium projects. His specific research interest - sustainability of atmosphere composition, particularly research on the photochemistry of the ozone layer in the stratosphere. He made remarkable input in spreading ideas of sustainable development in the City of Riga, being the deputy mayor during the years 1990-1994, and is continuing his efforts to contribute to the development of technologies for sustainable development. Currently, he is a leader and scientific secretary of the National Science Platform FOTONIKA-LV in quantum sciences and space sciences at the University of Latvia.



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The National Research Council of Canada (NRC) is the Government of Canada's premier research organization. The NRC's Canadian Photonics Fabrication Centre (CPFC) provides a "comprehensive facility" for the development of your next photonics product, seamlessly taking it from design through to commercial production. You gain access to top-level industrial engineering expertise and the latest developments in semiconductor photonics technology. CPFC offers a comprehensive suite of facilities and services for photonic device development and commercialization:

- MOCVD III-V semiconductor epitaxial growth including multi-level overgrowth and selective area growth.
- Fully equipped 11,000 sq ft Class 100/1000 cleanroom for III-V Photonics Integrated Circuit (PIC) prototyping and high yield manufacturing utilizing stepper, ebeam and holographic lithography enabling complex multilevel processing (25 mask levels) for next generation photonic component requirements.
- Extensive data collection, analysis, engineering, manufacturing and IP controls via dedicated MES and QMS systems.
- Back end processing including wafer thinning and optical facet coating for prototyped devices.
- Device design and optical test support for both active and passive photonic components.

www.nrc-cnrc.gc.ca



New Imaging Technologies (NIT) is a leader in SWIR imaging solutions and HDR CMOS sensors, based on innovative pixel designs and disruptive process. NIT was founded in 2007 as a spin-off from Institut-Telecom Sud-Paris. NIT develops, manufactures and sells InGaAs sensors and cameras for short wave infrared band imaging (900nm – 1700nm) and High Dynamic Range CMOS sensors for high-end visible band, with a transverse knowledge scope from IC design, material process, FPGA, electronics and mechanical engineering. NIT addresses various markets such as industry, scientific, space, aeronautics, surveillance & defense. NIT employs 20 people and is located at Verrieres le Buisson, close to Paris. www.new-imaging-technologies.com



François Coursaget (General Manager) achieved an Engineering Degree at ENSAM Arts & Metiers school in Paris followed by a master's degree in Material Science at Georgia Tech in Atlanta. François started his career at SAFRAN Electronics & Defense where he occupied several Project Leader functions before leading a team of 40 Engineers and PhDs for the electro-optical advanced studies programs and the development of portable electro-optic equipment product range. François then had the opportunity to Manage a growing deeptech SME at NIT. These experiences have given François a solid experience in managing innovation in the electro-optics field.



NIL Technology (NILT) is leading in the area of nano-optics. Vertically integrated from design to mass production of diffractive optical elements (DOE) and meta optical elements (MOE) also known as metalenses. In addition, NILT supports the growing AR/VR/MR industry with highly specialized masters for replication of waveguides used in the AR display. NILT is your go to partner for nano-optics solutions, from development to mass production. We enable future optical solutions for Smartphones, Augmented Reality, IoT, Automotive, and in addition we serve the biotech and space industries among others. www.nilt.com



Theodor Nielsen (Founder & CEO) holds an engineering master's degree from The Technical University of Denmark (DTU) where he specialized in nanotechnology. Theodor has worked with nanoimprint lithography since 2003 where he took part in pioneering the nanoimprint activities in Denmark. He has held the position as CEO in NIL Technology since 2006. Since 2019, Theodor has been leading the transformation of NIL Technology from being a technology company to become an advanced optics company, focusing on optics by nano-structures defining a new standard for optics in metalenses, DOEs and advanced waveguide displays.



Nippon Electric Glass strives to Build a Brighter Future for the World by Uncovering the Unlimited Possibilities of Glass. This corporate philosophy is a reflection of the founding mission, a statement of devotion to creating products infused with the very best of human civilization for the betterment of society. They have been providing a variety of products for various industries such as electronics, photonics and semiconductor for over 70 years. They engaged in wide-range in-house efforts focused on material development, product development, and process development, which enable them speedy and quality industrialization and commercialization. www.neg.co.jp/en



Makoto Nishimura (Senior Marketing Manager) has been with Nippon Electric Glass Co., Ltd. since 1999 and engaged in sales & business development of the glass products for optical & photonics, electronic and semiconductor applications. He had been with a subsidiary in US as a sales manager of the products from 2013~2018 then now he is with a subsidiary in Germany as a senior marketing manager of the products for European market.



NKT Photonics is the leading supplier of high-performance fiber lasers, fiber optic sensing systems, and photonic crystal fibers. Our main markets are Medical & Life Science, Industrial, Aerospace & Defense, and Quantum & Nano Technology. Our products include ultrafast lasers, supercontinuum white light lasers, low noise fiber lasers, and a wide range of specialty fibers. We have lasers in space and deep under the oceans and our products run in both clean rooms and on oil rigs at sea. We seed the world's largest laser fusion experiment, power hundreds of the most advanced microscopes on the globe and enable the quantum computers of tomorrow. We aim to make a difference in the world, and we are involved in projects that will transform the way we live through life-science, renewable energy, and the basic understanding of the Universe. With over twenty years of expertise, IP and experience, NKT Photonics strives to continually be the market leader in everything we do. NKT Photonics has its headquarters in Denmark with sales and service worldwide. NKT Photonics is wholly owned by NKT A/S. b



Basil Garabet (President & CEO) is the President and CEO of NKT Photonics which he has successfully grown since 2015. Basil is a serial entrepreneur with a 40-year tenure in Photonics where he has started, led and turned round a number of International Photonics companies. Basil's career has spanned leading positions in JK Lasers, EM4, Altitun, Melles Griot and Lasertron. Basil is closely involved in promoting Photonics globally, especially research in new applications such as Quantum, and performs numerous honorary duties including Board seats on EPIC, Bifrost Communication, and the Danish Quantum Community. Basil holds an MSc in Lasers and Their Applications. Basil Garabet is President of the EPIC Board of Directors.



Kim Hansen (CCO) has been with the company since 2001. First as project and product manager in Crystal Fibre and today with the responsibility for Sales, Marketing and products strategy. He has an engineering background in physics and telecommunication with a PhD from the Technical University of Denmark and comes from positions within the sensing and telecommunication industry.



Noctiluca SA (New Materials) is a technology company based in Toruń, Poland, listed on the Warsaw Stock Exchange (NewConnect market). It specializes in the development of proprietary advanced compounds in the field of photonics, which manufacturers of displays and OLED panels apply. The company develops and manufactures new 3rd, 4th, and 5th-generation OLED emitters, specifically those that exhibit Thermally Activated Delayed Fluorescence (TADF) and Hyperfluorescence properties. These emitters play a crucial role as key components in displays such as monitors, TVs, smartphones, wearables, or VR devices, as well as in various light sources, including lighting. In addition to its work on commercializing proprietary technologies, Noctiluca offers a wide range of chemical materials for the photonics market and operates as a Chemical Contract Research Organization. On behalf of our partners, our scientific team undertakes R&D projects in the chemical industry to develop cutting-edge solutions, primarily focusing on high-performance materials (HPMs). Noctiluca is a member of key international organizations within the photonics and display market, including OPTICA, EPIC, DFF, and SID. www.noctiluca.eu



Mateusz Nowak (Chief Commercial Officer) is responsible for growing the business commercially and developing strategy of the company. Today, Noctiluca has agreements or relationships with 8 out of the 10 biggest OLED manufacturers along with dozens of agreements with smaller players. Experienced manager in the development and implementation of strategies, M&A, and due diligence processes, having worked on nearly 100 projects during his consulting years. While at PwC he was responsible also for building and managing an accelerator program for FinTech startups across Central and Eastern Europe. Additionally, Mateusz has professional experience as a Venture Director in Rubicon Partners (deep tech venture builder), as Partner at a VC fund and among others was a co-founder of the first Polish accelerator focusing on deep-technology projects, the MIT Enterprise Forum Poland (today under SmartStart CEE brand).



Norlase was founded 10 years ago as a spin-out from the Technical University of Denmark. Norlase is an ophthalmic medical device company developing next-generation laser solutions for the treatment of retina and glaucoma disease. The Norlase team includes industry leaders and experts in ophthalmology, laser technology, medical device development and customer care. www.norlase.com



Peter Skovgaard (CSO) is the Chief Scientific Officer in Norlase. Peter has 25 years of experience in technology start-up/scale-up companies within photonics. As a co-founding CEO, he has lead Norlase from founding to FDA submission. Transitioning to his current position, he has pioneered technology and product development for Norlase. Peter holds a PhD in laser technology from Cork, Ireland.



NorthLab Photonics is a competence center for advanced fiber preparation, splicing, glass/fiber processing and FBG manufacturing solutions. The products and services are designed for a wide area of applications; from manufacturing of Fiber Bragg Gratings, Mode Field Adapters, combiners/bundles to preparation and splicing of polyimide, exotic and large diameter fibers. NorthLab customers are found in all industries and research areas where optical fibers are used. Examples are companies and universities working with high power lasers, sensors, medical probes, telecom and defense applications. The product portfolio includes the NORIA for “plug & play” manufacturing of Fiber Bragg Gratings, the ProCleave and ProCoater series for cleaving and recoating of standard and large diameter fibers and the ProView interferometer for end-face inspection. We are also long-term partners with 3SAE Technologies in the US and Furukawa in Japan as well as several other suppliers, distributors and research institutes around the world. www.northlabphotonics.com



Per Karlsson (CEO) graduated from the KTH Royal Institute of Technology in 1994 with a Master of Science degree in Mechanical Engineering. He started his career by joining Toshiba in Japan where he worked with design of manufacturing equipment for the semiconductor industry. Prior to co-founding Northlab Photonics in 2008, he served as a Business Development Manager, Product Manager, and Vice President for Sales and Marketing with Ericsson from 1998 to 2005. His expertise was then tapped by Accture Technologies in 2005 where he acted as president until 2008 when he co-founded Northlab Photonics, a fast-growing company focused on products and services for the photonics and fiber optics industry.



NTS Optel, since 1986 based in Nijmegen the Netherlands, member of the NTS group, and is a solution provider that develops and assembles complex optical, laser and opto-mechatronic tooling, systems, and modules. At this specialized site, we combine over more than 3 decades of experience, some of the best minds and state-of-the-art facilities. We create customized solutions for high complexity and high mix markets. Having all the capabilities in-house, including domain expertise as well as optical labs and assembly infrastructure (both greyroom and cleanrooms ISO 6-7), means high efficiency/lower cost, faster time-to-market and optimized delivery for our customers. Whether it is an opto-mechatronic system, a module that needs to fit perfectly into your machine, or an optical measurement & testing tool, that you will market yourself or for internal use, we provide fit-for-purpose products. Our customers range from start-ups to OEMs active in the Semicon, Life science and Analytical and Industrial market. www.nts-group.com/en/who-we-are/our-sites/nts-optel



Leon Hol (Managing Director) is the Managing Director NTS Optel since January 2022, his whole working life active in the High Tech. Starting from his study Bachelor Mechanics, he stepped into the world of Semiconductor and Photonics. Coop with several Front End and Back End OEM Customers in several roles such as Engineering, Project Management and Senior Sales Management. He was involved in the early days of EUV and Cryo technology and did several projects both in Litho, Metrology and several Back End process steps. Since January 1, 2022, he started as Managing Director of NTS Optel and, together with the Management Team, set an ambitious financial and technology growth plan.

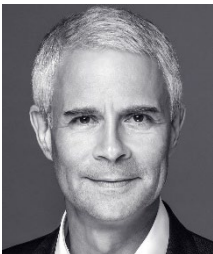


Michel Pastoor (Sales Manager) has over 25 years' experience in the high-tech industry in manufacturing sales and project management. Joined the NTS group 4 years ago as account manager and became late 2022 the Sales manager for NTS Optel, the specialist company within the NTS group for development and assembly of complex (opto-)mechatronic systems.



Nynomic is an internationally leading manufacturer of products for permanent, non-contact and non-destructive optical measurement technology. The products and services of the Nynomic Group are based on a wide range of intelligent sensors for measuring optical radiation and smart technologies for data acquisition, processing and evaluation. They can be scaled into different application areas

and represent high efficiency increase and high customer benefit due to their good adaptability to customer processes. Miniaturization, digitization, automation - Nynomic consistently uses the constant technological change as the basis for above-average growth in the medium term compared to the market. The Nynomic Group has a clear marketing concept as a full-service provider from component to solution. It is globally positioned with independent brands and subsidiaries and around 530 employees. www.nynomic.com



Maik Müller (CEO) has been a member of the Management Board of Nynomic AG since May 2015 and is responsible for Technology, Operations and Research and Development at the holding company. He was also appointed to the Management Board of tec5 AG from October 2010 to April 2023 and had full responsibility for the operational management of the tec5 Group worldwide.



Obducat is an innovative developer and supplier of technologies, products and processes focused on lithography used in the production and replication of advanced micro and nano structures. Obducat's product portfolio include nano imprint lithography systems as well as resist- and wet processing systems. Obducat also offer Foundry services based on the proprietary lithography technologies developed by Obducat. The global customer base includes world leading companies in industries such as Optics, Photonics, LED and Display, MEMS and Sensors, High Power and High-Frequency electronics, and Biomedical Devices. Obducat has its own market presence in Sweden, Germany, Japan, USA, England, Portugal and China and the headquarter is located in Lund, Sweden. www.obducat.com



Patrik Lundström (CEO) holds an MSc in Business Administration from Lund University. He has more than 25 years' experience from electronics and semiconductor industry with focus on management, sales, R&D as well as manufacturing. He joined Obducat in 2000 and was appointed CEO in 2002. Before joining Obducat he worked at Meget AB (part of Assa Abloy today), a leading player within the RFID industry. Early on he worked with electronics manufacturing having the responsibility for a lithography department.



OFS is a world-leading designer, manufacturer and provider of optical fiber, fiber optic cable, connectivity, fiber-to-the-subscriber (FTTx) and specialty fiber optic products. We put our development and manufacturing resources to work creating solutions for applications in such areas as telecommunications, medicine, industrial automation, sensing, aerospace, defense, and energy. We provide reliable, cost-effective fiber optic solutions that help our customers meet the needs of consumers and businesses today and into the future. Headquartered in Norcross (near Atlanta) Georgia, U.S.A., OFS is a global provider with facilities in several countries worldwide. OFS is part of Furukawa Electric Group, a multi-billion-dollar leader in optical communications. www.ofsoptics.com



Udo Fetzter (Key Account Manager) graduated from the University of Kaiserslautern, holds a master's degree in electrical engineering, and is working for Specialty Fiber at OFS. He has more than 30 years of experience in photonics and fiber optics. Before joining OFS in 2017, he was working in different product management and business development roles at Hirschmann, JDSU, and Laser 2000. His deep knowledge and experience encompass passive and active optical components, network systems, optical test and measurement, and fiber sensing. His current focus is developing the business for OFS in Europe for specialty fiber and photonics solutions.



OpTecBB (Optec-Berlin-Brandenburg) is the Competence Network for Optical Technologies and Micro Systems Technologies in the German Capital region of Berlin and Brandenburg. It is the aim of the network to connect representatives in industry, research, education, the finance and consulting sector as well as politics, to jointly foster the development and application of Optical Technologies and Micro systems Technologies. Particular focus areas include: laser technology, lighting technology, optical and especially x-ray analytics, biophotonics and ophthalmology, optical communication, sensor and quantum technologies, microsystems technologies. www.optecbb.de



Adrian Mahlkow (CEO) graduated in physics (TU Berlin) in 1997 and moved then to OUT e.V., a non-profit research institute specialising in optoelectronics and environmentally compatible technologies. Parallel to his work as a project leader, he completed his doctorate in 2003 and has been working on his habilitation in technical optics since 2005. Since 1999, Adrian has led more than 40 research projects with different focuses on LED technology. He also works as a technology consultant for various companies and was a member of the board of Optec-Berlin-Brandenburg e.V. and the Competence Network for Optical Technologies and Microsystems Engineering from 2015 to 2022. Since 2021, he has been on the

presidium of the Zuse Association and a member of the German Physical Society and the European Physical Society. Since 1.1.2023, he has been the new managing director of OpTecBB e.V.



Optics and Allied Engineering (OPTICA) is an award-winning company established in 1985, pioneering in providing precision optics, high-power laser optics, diamond-turned IR optics, imaging optics, large-sized optical windows & mirrors, off-axis parabolic mirrors, ultra-precision optical windows, diffractive optics, high-precision opto-mechanical mounts, ultrasonic glass machining, large-sized complete Schlieren systems, precision polymer imaging optics, and electro-optics systems. www.opticsindia.com



Kishore Kotaria (Director) brings over 15 years of experience in product development and extensive expertise in international business development. He drives innovation at Optica by prioritizing customer needs and integrating market insights into the company's strategies. His vision is instrumental in guiding Optica towards sustained growth and success in the global markets.



Ramakrishna Siddam (General Manager) holds a Master's degree in Photonics and has over 15 years of experience in optics fabrication, thin-film coatings, and electro-optics systems development. He is a proactive team leader with a solid history of success in managing operations, building teams, and driving success through innovation. His focus areas at Optica include high-power laser coatings and systems, infrared imaging systems, electro-optical devices, and high-precision optics and optical systems.



Optiwave has been pioneering the development of innovative photonics design automation software. As an emerging leader in the industry, we're at the forefront of creating groundbreaking software tools tailored for design, simulation, and optimization in the ever-evolving realms of photonics nanotechnology, optoelectronics, and optical networks. Optiwave's software has been licensed to more than 1000 industry-leading corporations and universities in over 80 countries worldwide. Today, Optiwave's cutting-edge photonic design automation software and customized engineering design services offer its customers a distinct competitive advantage by vastly shortening their time to market while dramatically improving quality, productivity and cost-effectiveness.

www.optiwave.com



Jan Jakubczyk (CEO) has over 35 years of experience working in the area of photonics research, now as the President and CEO of Optiwave Systems, and previously as a research scientist and professor with the Silesian Technical University in Poland and Laval University, and the National Optics Institute in Canada.



Sawyer Jie Ge (Director, Sales & Marketing) is a results-driven leader with 20 years of experience in the photonics and software industries. As Director of Sales and Marketing at Optiwave Systems Inc., he oversees global sales, distributor management, and strategic marketing initiatives. Prior roles include product manager and leader of cross-functional technical teams. Sawyer's accomplishments include setting revenue records, launching a successful scientific marketing program generating over 9,000 licenses worldwide, and developing strategic partner networks globally. He holds a M.S. in Electronic Engineering, is a PMP certification holder, and recently completed an Executive MBA.



Opto is a leading developer and manufacturer of high-precision optomechanical inspection modules and equipment, with locations in Germany and France. We produce Imaging Modules with software "reduced to your needs" for measuring, detecting and analysing in the micrometre range. Always reliable and fast, for your Industry 4.0 and AI applications in medical technology and industry. Since its inception in 1980, Opto has stood for optical inspection and digital imaging systems. It is a provider

for some of the most technologically advanced industrial and bio-industrial applications in the world including high-throughput cellular imaging, laser eye surgery, stent inspection, laser fault injection and much more. www.opto.de



Markus Riedi (CEO) studied precision engineering with a focus on optics, mechanics, and electronics at the Hochschule Munich. Internships at Rodenstock, Steinheil and Phytron complemented his studies. Since 1980, Mr. Riedi has also worked in his family's manufacturing business. During this time, Mr. Riedi qualified as a master craftsman and took over the management of the company in 1992. In 1993, Mr. Riedi began to work in parallel in Opto Sonderbedarf GmbH and took over 100% of the company in 1999. In 2008, the family business was integrated into Opto GmbH. Mr. Riedi acquired his business and management know-how in numerous seminars in business management and management training. In his

private life, Markus was a top athlete in swimming for many years and subsequently coached competitive teams. Markus is married, has two children and lives in Munich.



Optocraft develops and manufactures Shack-Hartmann wavefront sensors and system solutions for testing optics and lasers. Companies and research organizations worldwide rely on Optocraft's measurement technology in production and R&D. Innovative metrology solutions enable our customers to pioneer the future of optical systems and boost manufacturing quality to new levels.

www.optocraft.de



Johannes Pfund (CEO) studied at the Friedrich-Alexander University of Erlangen-Nuremberg, Heriot-Watt University Edinburgh/Scotland. In August 2001 he founded the OPTOCRAFT GmbH. In October 2011 he received an innovation award Bavaria („Genossenschaftsverbandes der Volksbanken und Raiffeisenbanken“).



OITDA actively conducts a wide range of activities, such as research and study, promoting and supporting technology development, and furthering standardization. It also makes active efforts to spread and raise awareness of optoelectronics technology worldwide, through cooperating with optoelectronics industry associations in Europe, the United States and Asia. www.oitda.or.jp



Hiroshi Sawano (Executive Director) is in charge of the International Affairs, especially developing the international standards related to the Fiber Optics and Laser Safety. He is currently the member of the technology developing projects, which are 'High Efficiency and High Speed Distributed Computing System using Heterogeneous Material Integrated Optoelectronics' as well as 'Frequency-modulated continuous-wave LiDAR chip and its application systems (feasibility study)'. He is also the member of 'Fiber Optic Sensor project', which is to develop the international standard.



Yasuhisa Odani (President/Vice Chairman) graduated from the Graduate School of the University of Tokyo, Master of Information Engineering. Following graduation, he joined MITI (present METI: Ministry of Economy, Trade and Industry). In July 1997 he was appointed Director, Machine Parts and Tooling Industries Office, MITI. In July 1999, he was appointed Director General, Department of Planning and Administration, National Institute of Technology and Evaluation (NITE). In July 2001 he took a post as Director, Measurement and Intellectual Infrastructure Division, Industrial Science & Technology Policy & Environmental Bureau, METI. In August 2003, he was appointed Director General (Asian Region), Asian Representative Office in Bangkok, NEDO. In 2007 he was appointed President of the Optoelectronics Industry and Technology Development Association (OITDA) and was elected Vice Chairman in June 2017.



OptoFidelity is an optical metrology and industrial automation company. With its HQ located in Finland, OptoFidelity serves its customers also from their Cupertino, CA, and Redmond, WA offices in the USA and various locations in the APAC region. With their own R&D, service, and manufacturing facilities in Europe, the USA, and China, OptoFidelity employs about 600 skilled engineers and other staff. OptoFidelity is currently the market leader for AR metrology and testing. Their turnkey systems are available for functional and performance testing of Augmented Reality waveguides, light engines in component and subassembly levels, and end-of-line testing of fully assembled smart glasses/HMDs. www.optofidelity.com



Optogama designs, develops and manufactures custom laser related products and develops technologies for laser processing, spectroscopy & analytical instrumentation, medical, vision and other applications. Company products and services cover compact 1,54 um “eye-safe” range lasers, laser crystals & optical components, laser beam delivery and beam shaping devices. www.optogama.com



Tadas Lipinkas (CEO) has a background in Laser physics and Optical technologies, graduated from Vilnius University. He has expertise in laser optics & crystals, laser technologies and applications. Tadas is R&D project coordinator in the company. His areas of interests include trade and manufacture of laser related components, design and assembling of optomechanical assemblies, Innovative laser related solutions for academic and industrial customers.



OPTOMAN designs, develops and manufactures advanced, high accuracy, and repeatability IBS thin film coatings and laser optics since 2017. R&D driven culture forces the OPTOMAN team to constantly improve the performance and reliability of thin film coatings so our partners eventually

could enjoy the benefits of lower total cost of ownership. OPTOMAN as your sidekick is always willing and ready to help you with finding optimized solutions (ultra)fast and back you up in critical situations and finally get the job done as was promised. High level development is possible with experienced staff and innovative ion-beam sputtering (IBS) technology. Progressive control and automated process allow the deposition of complex structures of several hundred thin film layers. The advantages of spectral control include features, such as: higher contrast, repeatable performance, and tighter tolerances. In combination with ISO-6 clean room environment, OPTOMAN manufactures outstanding overall quality laser optics. Do not forget that with great laser power comes great responsibility for coaters! www.optoman.com



OPTOPRIM has strengthened its position as a major player in the European Laser & Photonic market. The Group core business is two-fold: the production of complete laser solutions and the distribution of innovative optical, electronic and laser components. Over the years, the Group has developed an extensive technical expertise and a wide range of products, while supporting research and academic clients as well as innovative industrial OEM partners. Located in Paris, Milan, Rome, and Munich, the Group can leverage valuable synergy effects with a team of 100 experts“. www.optoprim.de



Guillaume Adam (CEO) graduated in Physical Measurements from the University of Caen in 1999 and joined the Optoprim Group as a technical sales engineer in January 2001. Since 2004, Guillaume has been responsible for developing the sales of OEM optical and electronic components, as well as managing key accounts. With more than 20 years of commercial experience in the European Photonic market, Guillaume has been appointed as the CEO & President of the group in Dec-2022. His mission is to create enhanced synergies between the different entities of the group and to extend the group footprint in Europe and to lead M&A activities.



Optores is a pioneer in ultrafast swept lasers and optical coherence tomography (OCT). With sweep rates of several million OCT A-scans per second, Optores' founders coined the term "MHz-OCT". These ultrahigh speeds are ideal for novel OCT applications, such as real-time surgical guidance with 4D-OCT, large-area surveys, visualization of blood flow, and high-throughput industrial inspection. www.optores.com



Wolfgang Wieser (CEO) is the founder and CEO of both Optores and Wieserlabs. In addition to studying physics at the University of Munich, he has a strong background in electronics and software development. He received his PhD thesis for pushing the speed of OCT systems with high image quality by more than an order of magnitude and building the first real-time optical coherence tomography system with multi-MHz depth scan rates.

OptoSigma is a leading global manufacturer of Optical Systems, Optical Assemblies, Optical Coatings, Opto-Mechanics, Manual and Motion Control Stages, and a variety of complimentary Photonics products. With over 19,000 high quality products available immediately on the web shop, we provide custom solutions to support various industries including Life Sciences, Bio-Medical, Semiconductor, Displays, Research, Telecommunications, Aerospace and Defence. “OptoSigma” was established in 1995 as a California Corporation, subsidiary of Sigma Koki Co., Ltd., Tokyo Japan. Sigma-Koki was founded in Japan in 1977. Today, OptoSigma is the global brand name with affiliates in France, Germany, Singapore and China. Together we are known as, “The Sigma-Koki Group” and we have nearly 50-years of experience serving the Photonics industry. Our motto follows three important words, Appreciation, Challenge, and Creation. Through creation, we follow a Japanese word, “Monozukuri” that can be defined as the art, science, and craft of manufacturing. Through “Monozukuri”, we employ the highest quality standard for craftsmanship and continue to seek ways to improve our process, efficiency, and methods, all for the benefit of our highest priority, YOU, “Our Customers”. We strive and challenge ourselves to create solutions that enable new technologies for a better tomorrow and a brighter future. On this page, you will be able to gain a deeper look into our history, our values, and our capabilities. www.optosigma.com



Guy Ear (Chairman, President and CEO) has 10 years of several sales and marketing management positions in airlines, tourism and luxury hospitalities in France, UK and the United-States, prior to deciding in 2004 to take a new challenge in the Photonics industry by taking a Sales & Marketing Director for Asia Pacific at a UV light-source manufacturer for Lithography, Mask Aligner, stepper in the Semi-conductor equipment in Japan. With his strong self-taught abilities and capability in speaking 5 languages in the Asian region, Guy has built up an extensive experience and a human network. He founded Etendue Mejiro KK (Japan) in 2006, a company specialized in design and manufacturing high performance scan lens for semi-conductor and digital displays industry, which was sold in 2009. Guy joined SIGMAKOKI Group (OptoSigma Parent company) as the Head of the International Sales Division to expand the international presence of the SIGMAKOKI Group in Asia and recently by establishing a new subsidiary in Europe in 2014.



Orange Innovation Networks will be the practical, visionary partner network for Orange’s commercial entities, known the world over and recognized both within and outside the Group for its network expertise and client oriented approach.

- A trusted partner: networks that meet the needs of the countries, taking into account their specific attributes and limitations. Networks integrates security and environmental requirements, from the design phase through to active operation of the network.
- Commercial partner: Networks is committed to meeting the needs of the business units in an agile and competitive way, by providing pertinent and economically viable solutions.
- Technical partner: Networks is at the forefront of innovation, with the power to influence and capitalize upon the ecosystem in order to anticipate and meet the needs of the operational units throughout the duration of the network life cycle. www.orange.com



Philippe Chanclou (Team Manager) received the Ph. D. and Habilitation degrees from Rennes University, France in 1999 and 2007 respectively. He joined the R&D facilities of France Telecom in 1996 where he worked on the research of active and passive optical telecommunications functions for access networks. In 2000, he joined the University of ENST-Bretagne (now IMT Atlantique) as a senior lecturer where he was engaged in research on optical switching and optical devices using liquid crystal for telecommunications. From 2001 to 2003, he has participated to the foundation of Optogone Company. Since 2004, he joined Orange Labs where he was engaged in research on the next generation optical access networks. He is now the manager of Fixed Access Networks team. This team carries out delivery, anticipation, standardization and research concerning FTTx topics for Home (Passive Optical Network), Enterprise (Passive Optical LAN) and Antenna (including the transport of radio access network interfaces “xhaul”: backhaul, midhaul, fronthaul).



Orion Engineering is the project sourcing agency of choice for engineering and technical assignments. Our professionals have a solid technical background and we do have different options to strengthen teams; from filling temporary assignments to recruiting employees. We always deliver solutions tailored to our clients' needs and search for the best solution. Orion Engineering offers an infallible assessment of the professional atmosphere and wishes at a client ensures a prompt and perfect match. Our driving forces are technical professionals of intermediate, higher or academic level. People who are flexible and want to be challenged by interesting projects at a(n) (inter)national level. The success formula of Orion Engineering was rewarded in 2018 with 2 prizes, for being one of the fastest growing companies in the Netherlands. www.orionengineering.nl



Djordi van Beek (Partner in Technology Recruitment) is responsible for managing a team of Consultants, Business Managers and Recruiters at Orion Engineering. His team specializes in technical (project) staffing and is responsible for the entire recruitment and selection process of (inter-)national candidates with a focus on the High-Tech and Semiconductor industry. While making a difference on personal level, his team is always searching for technical talent in and outside our network (with a specific focus on interesting backgrounds like Applied Physics, Mechatronics, Electromechanics, Aerospace etc.)



René Louwers (Director) is an authentic, enthusiastic, driven, engaging, proactive leader with a strong entrepreneurial spirit and result oriented, who delivers revenue and margin growth. His major fields of expertise are (team) leadership, recruitment, commercial management and performance management.



Oxxius is a laser design and manufacturing house founded in 2002 to bring disruptive innovations to the market of continuous-wave lasers. We develop advanced laser modules covering a broad spectral range (from Deep UV to Near InfraRed) and targeting numerous applications in biophotonics, metrology, spectroscopy and other analytics and instrumentation applications, for both research and industry customers. Recently the company introduced advanced laser combiners

taking advantage of its high power small factor lasers with application in super-resolution microscopy. www.oxxius.com



Thierry Georges (Founder and CEO) has more than 25 years of world-class scientific activity in the field of lasers and optical transmission, together with a successful track record as an entrepreneur. He was formerly the CEO of Algety Telecom, a start-up he co-founded in 1999 and which was later sold to Corvis Corp. From 2000 to 2002, he was also Senior VP Technology of Corvis. He regularly advises new ventures and is a board member of several high-tech companies. He received his Ph.D. from the Ecole Nationale Supérieure des Télécommunications (ENST, Paris) and holds Engineering degrees from Ecole Polytechnique (Paris) and ENST.



Panoptics is leading photonics solutions provider in South Korea, representing many global leading companies including several EPIC members. Since 2005, Panoptics has been working for introducing high technologies from overseas to domestic (Korea) as well as other direction, and the revenue in Year 2023 is around 11M USD with the business of optical communication components including QKD, laser components and high-end test equipment from major customers like LG, Samsung, SKT, and every leading research institutes in Korea. From 2016, Panoptics became the national registered technology venture company to make customized photonics enabled solution like fiber sensing and FSO (Free Space Optic) transceivers. So, Panoptics is now offering Value-Added Reselling business over distribution and representative role. www.panoptics.net



Jangsun Kim (CEO) has been working for ICT business over 32 years including 23 years of Photonics related. As a vice president of OSK (Optical Society of Korea) Jangsun has built closer relationship between Academic and Industrial, not just in South Korea but also international communities to make better cooperation in Photonics industries over the world. He is a Senior member of Optical as well as SPIE, and now he has serving Exhibition committee chair of CLEO-PR 2024 (AUG, Incheon).



PHABULOUs is the European pilot line and one-stop-shop for all requests for prototyping and manufacturing of free-form micro-optics services: from pilot to full-scale production. PHABULOUs serves as the single entry point to a full supply chain of Europe's leading Companies and Research & Technology Organizations. PHABULOUs's goal is the industrial manufacturing of innovative and highly demanded micro-optical components for various photonics applications, with a clear roadmap for high volume production in Europe at a competitive cost. www.phabulous.eu



Jessica van Heck (Managing Director) has a bachelor's degree in engineering from the University of Applied Sciences in the Netherlands and has over 20 years of experience in the corporate world. As Managing Director, she is the entry point to the pilot line and its services for companies aiming to pilot and produce devices integrating free-form micro-optical components.



Phaseform designs and manufactures new types of refractive wavefront correction devices. Our core technology enables transmissive, ultra-miniaturized, adaptive optics elements: Deformable Phase Plates (DPP). They are able to perform high-order aberration corrections like deformable mirrors, but at the same time can be seamlessly inserted into any optical beam path like a lens. Our products allow us to compensate for complex aberrations (e.g., from 3D samples like in life-science microscopy) but also for spherical aberrations, negating imperfectly aligned optical setups or ill-prepared samples thereby increasing throughput of inspection workflows. The DPPs benefits can be applied in multiple fields, most prominently in microscopy, ophthalmology, optical testing and analysis, optical communication, astronomy, AR/VR and material processing. Phaseform is a spin-off from the Department of Microsystems Engineering (IMTEK) of the University of Freiburg in Germany. It aspires to become a leading company in the "New Era" of adaptive optics (AO) - where AO has finally become a standard and cost-effective tool for restoring the best possible quality of any optical system affected by optical aberrations. www.phaseform.com



Stefan Weber (CEO) is the CEO of Phaseform GmbH, a deep-tech startup using innovative adaptive optics for a wide range of optical applications. With a solid background in photonics and adaptive optics, he has successfully led the company from inception, focusing on the development and commercialization of the breakthrough Deformable Phase Plate technology. His previous experience includes leadership roles at SwissLitho AG and modum.io AG, where he was instrumental in pioneering nanolithography tools and IoT solutions for the pharmaceutical industry, respectively. With a Ph.D. in experimental physics from the FU Berlin, where he developed advanced polarization methods for LC-SLMs,

his academic and professional career includes significant contributions to optical systems, marked by his tenure as a product manager at Jenoptik Optical Systems GmbH, working at the cutting edge of high-end sensors for the semiconductor industry, and as a postdoc at EPFL, where he developed optical MEMS systems.



PHIX Photonics Assembly started its operation in August 2018 in the High-Tech Factory in Enschede in The Netherlands. PHIX is offering a cost-effective manufacturing service for Photonic Integrated Circuit (PIC)-based modules in large volumes. PHIX offers assembly services for all three major PIC technology platforms (InP, Si and TriPleX) and is specialized in hybrid integration of multiple PICs in one module both with optical fiber interfaces as well as free space optical interfaces through micro optical components. www.phix.com



Albert Hasper (CEO) is an operational and technical executive with 25+ years of experience in international high-tech business-to-business industry. He was for 7 years the Managing Director of the Amtech Solar Companies. In 2011, he was appointed General Manager of Tempres Systems B.V. Before that, he was the VP of Global Operations at ASM International. Prior to the VP role, he served for more than 5 years as General Manager of ASM Europe and was world-wide responsible for the Vertical Furnace product line. Albert holds an M.Sc. and Ph.D. Degree in Electrical Engineering from the University of Twente. He has authored and co-authored over 25 scientific papers in various scientific journals. He is an inventor of 13 issued US patents in the areas of CVD & ALD deposition and Capital Equipment.



PhotonDelta is a government funded non-profit organisation supporting an end-to-end value chain in the Netherlands for photonic chips that designs, develops, and manufactures innovative solutions that contribute to a better world. We do so by creating global awareness on and promoting the benefits and potential of the Dutch photonic chip ecosystem and its technologies. PhotonDelta initiates and supports the ecosystem by sharing knowledge and expertise and providing grants and funding for startups, promising or necessary projects and infrastructure that facilitate pre-competitive technology and application development. PhotonDelta is located in the Netherlands but connects and collaborates throughout world. www.photondelta.com



Eelko Brinkhoff (CEO) has been working for 25 years in economic development before joining PhotonDelta in February 2024. In his previous role as Managing Director Internationalisation at the Brabant Development Agency (BOM) he gained a lot of experience and knowledge in the field of Foreign Direct Investments (FDI), internationalisation of SME's, innovation cooperation and economic development. He has built a strong network in the Netherlands and abroad towards business, government, knowledge institutes and universities. In his role as CEO of PhotonDelta the challenge is to mature the organisation after a period of rapid growth and to become an internationally recognised accelerator for the photonic chip industry. PhotonDelta plays a key role in making the integrated photonics ecosystem indispensable for the goals and challenges that we face today. Photonic chips will become critical in various applications such as quantum computing, robotics, sustainable agriculture and autonomous driving. PhotonDelta as a Dutch world leading ecosystem will be a driving force to make this happen.



PhotonFirst is a pioneer in next-generation smart sensing technologies. Our mission is to empower our customers with the data-driven insights they need to make informed decisions about their assets. We understand FBG-based sensing applications better than anyone and are committed to use our Photonic ICs (PICs) technology to deliver reliable and affordable products that enable a paradigm shift in the fiber optic sensing world. PhotonFirst was the first company to use PICs as the heart of their measurement solutions, making them scale well with volume allowing for low cost data generation. www.photonfirst.com



Leendert-Jan Nijstad (Managing Director) is an energetic and entrepreneurial leader, scale-up operator and tech enthusiast who likes to take companies to the next level. Leendert-Jan leads the management team of PhotonFirst on its mission to supply the world with next-generation smart sensing solutions. Before PhotonFirst, he gained substantial experience in the Aerospace industry as Head of Operations for a major Tier-1 Landing Gear supplier - almost doubling that company in size. Before that, he ran a business line in Aerospace maintenance, led a merger of 2 US companies and setup project management functions at various business units. He has a background and education in Industrial

Engineering – Operations Management from Groningen University, and Executive education in Entrepreneurship from MIT.



Photonic Solutions are an independent supplier of photonics and associated technologies to the UK scientific and industrial market. We are the exclusive representatives of many of the world's leading manufacturers of scientific and industrial laser systems, research grade spectroscopy solutions, optical instruments, cutting edge microscopy and imaging systems, together with optics, laser diagnostics and detectors for the photonics sector. Founded in 1999, our mission has always been to offer the highest quality photonic products backed up by unrivalled service and support. Staffed by a team of highly qualified optoelectronic specialists, we have a wealth of experience across a wide range of disciplines. www.photonicsolutions.co.uk



Andrew Blain (Managing Director) graduated in Physics (MSc) and Electronics and Electrical Engineering (MSc) from the University of Glasgow in 2008. Shortly after, Andrew joined Photonic Solutions as a Sales Engineer in 2011. He has over a decade of experience in the Photonics Industry. Since assuming the CEO role 6 years ago, he has successfully led the company to year-on-year growth and overseen the expansion into exciting new markets.



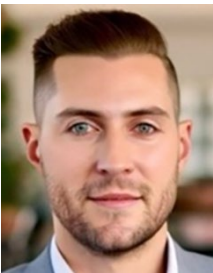
Photonics Bretagne is a Photonics Innovation Hub located in Lannion (Brittany, France). The association integrates a Business Cluster supporting innovation, commercial and technology development of its members and a Research and Technology Organization (RTO) expert in the development of specialty optical fibers and biophotonics. We design and manufacture custom fibers such as microstructured (Airclad, supercontinuum, hollow-core, endlessly single-mode...), multicore, few mode, active VLMA, metal-coated but also silica capillaries, stress rods, fan-in/fan-out, fiber tapers. Scientific studies and proof of concepts in the field of agrifood/agriculture are also a growing activity with capabilities in hyperspectral imaging and spectroscopy. Photonics Bretagne is located in a Photonics Park, at the heart of a rich ecosystem of industry, research centres and schools dedicated to photonics. www.photonics-bretagne.com



David Méchin (Director) received a PhD in Optoelectronics from the University of Saint-Etienne. He studied Bragg grating based optical add drop multiplexers in the research labs of France Telecom and Highwave Optical Technologies (1998-2002) in Lannion (France). He, then, worked on various topics in the field of nonlinear optics in fibres in the Physics Department of the University of Auckland and at Southern Photonics (2002-2009) in New Zealand. David is currently Director of Photonics Bretagne.



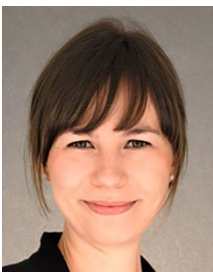
Photonics Media, a pioneering publisher in the field of photonics, has built the largest global photonics audience comprising academics and researchers, manufacturers, and end users. Over the past seven decades, Photonics Media has fostered a tradition of editorial excellence that has defined the industry. As our publications grow — following photonics technology into an ever-widening range of applications — the company adheres to a philosophy of quality and integrity, maintaining an international reputation for leadership in photonics. www.photonics.com



Matt Beebe (Vice President of Sales) holds a Bachelor of Science in Business Administration from Endicott College in Beverly, Massachusetts. Since 2011, he has personally helped over 300 companies in the photonics industry to create custom marketing strategies based on their specific needs.



Photonics Precision Engineering is a global R&D partner for optical design and systems engineering. Our team of experts has many years of experience in the optical industry. In addition to supporting complex optical developments, PPE can also source and integrate customized optical designs and solutions. On-site staff training or co-development are part of the services offered by the Jena-based optical design consultancy. www.ppe-jena.com



Carolin Münzberg (CFO and Co-Founder) studied Optoelectronics at the Technical University of Ilmenau and graduated in 2013. She started her career at Jenoptik in the research and development of deep UV optical systems for semiconductor inspection systems with a focus on polarization metrology. Later she shifted her focus to the development of new products for laser material systems and became a project manager in this area. Together with Jan Werschnik and Tim Baldsiefen she founded her own company for optical system design in 2021. As Managing Director, she is responsible for PPE's finances and is the main contact for project management and metrology projects.



Jan Werschnik (CEO & Co-Founder) holds a PhD in theoretical physics. Jan's career in photonics commenced as an optical designer at Jenoptik, where he ascended to the role of Head of Optical Design. Over a span of 12 years, he honed his expertise in optical design, system engineering, and program management, specializing in high-end optics for semiconductor inspection & lithography systems and bio-photonics. Recognizing the importance of innovation in driving progress, Jan shifted his focus to innovation and business development. His approach led to his appointment as Chief Innovation Officer at Jenoptik. In 2021, Jan, along with co-founders Carolin Münzberg and Tim Baldsiefen, took a bold step in the world of photonics by establishing Photonics Precision Engineering GmbH. This innovative venture has rapidly grown, now boasting a team of seven experts specializing in optical system design. The company is poised to make a lasting impact in the field of photonics.



Photonics Systems Group – Innovation in a perfect light. We step into the dynamic world of Photonics Systems Group, where innovation and precision converge to redefine laser technology. For over three decades, we've led the charge in delivering laser machine concepts tailored to the needs of the photovoltaic, electronics, and semiconductor industries. We offer process and production solutions at the highest level in the fields of laser micro material processing, laser dpaneling, laser drilling, laser trimming as well as the processing and handling of wafer substrates. Our solutions set the benchmark for excellence in process and production. We continue to pioneer advancements that shape the laser micromachining landscape of tomorrow. www.photonics-systems-group.com



Lutz Aschke (CEO) with over 26 years in photonics, is CEO of the Photonics Systems Group, a leading innovator in laser processing of micromaterials. He became President of Photonics21 in 2022, holding a PhD in physics and additional education in finance, innovation, and quality management. He has held C-level positions in both large enterprises (like Trumpf and Mahr) and SMEs and serves on boards in mid-cap enterprises and startups in laser and quantum tech, industry associations (lasers, micro- and nanotechnology, optics), institutes like Fraunhofer, and advisory groups such as the German Federal Ministry of Education and Research. His primary focus is on innovation and commercializing technology.



Photonics Valley Corporation explores alternative computing paradigms in the backdrop of 'Beyond Moore' scenario which necessitated the emergence of alternative computing technologies. It is in the process of cultivating 'Photonics Valley', an ecosystem for nurturing concerned stakeholders in the space of various happening and alternative technologies. Photonics Valley Corporation focuses on building ecosystems with all the relevant constituent cohorts such as Design houses, Fabrication related manufacturing units, R&D units and Supply chain industries. As India is attempting to promote Fab ecosystems, Photonics Valley Corporation designed a strategy of building one with differentiator technologies as it believes that Fab ecosystem in India has to rally around emerging and alternative technologies since such differentiator technologies will not only provide sustenance based on fresh value contribution but also complement the global powers in traditional silicon technologies instead of competing. www.photonicsvalley.telangana.gov.in



Madhav Pulipati (CEO) believes in the concept of 'alternative computing paradigms' as the course of technology road map for the globe, in the context of 'Beyond Moore' scenario. Heads 'Photonics Valley Corporation', an organisation aimed at facilitating the evolution of such alternative computing technologies. Currently, in the pursuit of cultivating ecosystems for the constituents such as design houses, manufacturing units and supply chain industries. Actively pursuing the concept of a virtual 'incubator of incubators' with all the supporting structures in a collaborative environment. Providing technology, industry, academic, global and capital connects to the constituents. Earlier he was involved in the

transformation of Governance structures through the intervention of Information Technology by evolving seminal concepts. He represented Government of India in ISO and other organisations. He is part of policy making platforms in the space of Photonics, Compound Semiconductors and Quantum Technologies. He is presently involved in rolling out a Display Fab, few compound semiconductor foundries and couple of ATMP/OSAT units. His passions include promoting 'Quantum-Photonics' as the ultimate alternative computing technology. He has a doctorate in Post modernity.

photonicSENS

SENSORS & ALGORITHMS

photonicSENS is a world leader in the development and manufacture of the most advanced single-lens 3D-camera technology. Founded in Valencia, photonicSENS' state of the art expertise in optics and lens design and in the manufacture of CMOS-based digital imaging technologies brings the invisible to light. Our depth sensing cameras simultaneously offer image and the highest resolution depth map for accurate and cost-effective 3D imaging and sensing applications in industry, robotics, healthcare, automotive, AR/VR... Our world class cameras for short range 3D imaging & sensing reduce the number of components and are computationally efficient to enable intelligent vision on any device. www.photonicsens.com



Jorge Blasco Claret (Co-founder and CTO) is a Telecommunications engineer with a PhD in. Microelectronics, Jorge is the intellectual father behind the idea for photonicSENS. Early in his career he held key R&D posts in IBM, Alcatel, and the European Commission, among others, before converting to a serial entrepreneur and inventor. He holds over 60 patents and was finalist for the annual 'European Inventor of the Year' award 2010.



PHOTONIKBIZ offers a data-driven lead generation methodology specifically tailored to the photonics industry. We go beyond basic lead identification. Our approach encompasses: Strategic Lead Profiling, leverage our established network across key photonics hubs in Europe, Canada, China, Korea, and Japan to access a wider pool of qualified leads. We assist in optimizing your product offerings, pricing strategy, marketing materials, and overall sales strategy for maximum impact. Our Customer Relationship Management (CRM) empowers you with real-time sales insights for accurate forecasting, effective reporting, and data-backed strategic adjustments. By stopping unqualified leads, we shorten sales cycles and maximise your income. www.photonikbiz.dev



Dominique Bonnisseau (CEO & Founder) is the founder and CEO of PHOTONIKBIZ, bringing over 25 years of experience in business development for high-tech companies. His diverse career spans across leading French firms, from established players to nimble startups. Throughout his career, Dr. Bonnisseau has held various leadership roles, including expert design engineer, product line manager, and sales director. For the past decade, he has focused on supporting numerous companies in the photonics industry, fostering growth in sales and commercial processes across a wide range of technologies, including lasers, optical fibers, software, vision systems, quantum communication, nanomaterials, meta-optics, electro-optical transceivers, ion and electron sources, and more. Dr. Bonnisseau holds a PhD in Physics from Grenoble University, France and graduated with an Electronic Engineer degree.



PhotonVentures is a Dutch deep-tech venture capital fund exclusively focused on integrated photonic semiconductor technology. We invest in companies that use integrated photonics to build solutions for high-volume applications in both existing and emerging markets. We believe these companies are supported by long-term mega trends such as AI and sustainability, and therefore have the potential to create significant economic and societal value. Moreover, we actively support our portfolio companies with our team and network's strong experience in technology, leadership, financial management, manufacturing, and ESG. Our fund has a European focus and invests in stages from Seed to Series A. For more information, please visit our website at www.photonventures.vc

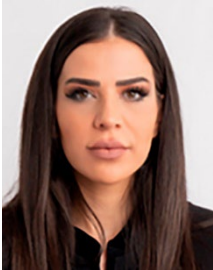


Ewit Roos (General Partner) before joining PhotonVentures as a General Partner, co-founded PhotonDelta, which under his leadership as CEO, became a globally recognized, well-funded accelerator of the integrated photonics industry, focused on scaling the supply of photonic integrated circuits (PICs) and their applications. He orchestrated an extensive ecosystem involving Netherlands-based universities, research labs, over 60 company partnerships, and investors, culminating in €1.1 billion of committed investments from the Dutch government and corporate partners for the next five years. Throughout the years, PhotonDelta has been instrumental in founding and funding over ten deep-tech photonics startups, within the broader semiconductor industry. In 2023, PhotonVentures, initially a private investment arm within PhotonDelta, spun off as an independent entity, continuing the venture capital activities incubated by PhotonDelta. Ewit's strategic and impactful contributions in venture capital and corporate partnership development have notably advanced the Dutch integrated photonics sector, particularly through the establishment as co-founder of the dedicated PhotonVentures VC fund. Ewit also made significant strides as Director at Brightmove BV, where he navigated early-stage equity funding for high-tech startups, leading to the funding of 45 companies, predominantly in Series-A rounds.



PI (Physik Instrumente) with headquarters in Karlsruhe, Germany, in the past five decades has become the leading manufacturer of nanopositioning systems with accuracies in the nanometer range. With four company sites in Germany and fifteen sales and service offices abroad, the privately managed company operates globally. Over 1500 highly qualified employees around the world enable the PI Group to meet almost any requirement in the field of innovative precision positioning technology. All key technologies are developed in-house. This allows the company to control every

step of the process, from design right down to shipment: precision mechanics and electronics as well as position sensors. The required piezoceramic elements are manufactured by its subsidiary PI Ceramic in Lederhose, Germany, one of the global leaders for piezo actuator and sensor products. PI miCos GmbH in Eschbach near Freiburg, Germany, is a specialist for positioning systems for ultrahigh vacuum applications as well as parallel-kinematic positioning systems with six degrees of freedom and custom-made designs. www.pi.ws



Nikta Jalayer (Director of Business Development – Performance Automation) is PI LP's Director of Business Development for Performance Automation. She holds master's degrees in electrical engineering and bio-medical engineering. Nikta has over a decade of experience in the precision motion industry and has played a pivotal role in driving the development of precision motion and automation technologies across various fields of applications. Nikta's illustrious career extends beyond industry, as she served as Adjunct Faculty of Electrical Engineering at California State University Los Angeles from 2012 to 2016, where her teaching skills made a lasting impact on aspiring engineers.

Furthermore, her influence extends to the realm of academia, as she currently holds a prestigious position on the advisory board of the Electrical and Computer Engineering department, where her insights continue to shape the future trajectory of the field.



Scott Jordan (Head of Photonics) is a manager and physicist by training, with an MBA in Finance and New Venture Management. He has driven multiple business development and turnaround endeavours. Scott's patents for fast interfacing and DAC resolution enhancement helped advance nanopositioning performance more than a hundredfold, enabling capabilities for applications as diverse as nanopatterning, atomic force microscopy, MEMS, microlithography, x-ray interferometry and photonics. He developed the first digital gradient search, fundamental to photonics test and packaging, and established a successful business upon it. He has repeatedly driven the field forward as device designs

have advanced. His most recent work enables one-step, global alignment optimization across multiple inputs, outputs and degrees of freedom of today's Silicon Photonics devices. A confirmed technology evangelist, Scott publishes and presents frequently. He was named a PI Fellow in 2016.

PiBond



PiBond is a specialty materials company that focuses on the development and manufacturing of advanced materials for semiconductor, optoelectronic and photonic applications. The three technology platforms that form the offering by PiBond consist of dielectric materials, lithography materials and clear silicone adhesives. Specific applications for dielectrics include semiconductor back-end dielectrics, photo-dielectrics, and optical coatings with wide range of refractive indexes. Our advanced lithography products consist of silicon- and carbon-based underlayer materials, silicon resist materials, and auxiliaries. The silicone adhesives are designed for display and lens applications. The company is ISO 9001/14001 certified and has a +10-year successful track record in global supply to the market. All products manufactured in our clean room meet the most stringent technical and quality requirements, and have been adopted in latest the electronic devices, security cameras and automobiles. www.pibond.com



Thomas Gädda (CTO) is the CTO of PiBond, where he leads the teams of engineers and chemists responsible for developing new materials and processes for semiconductor and novel applications in photonics. He also oversees customer projects and product support. Prior to joining PiBond, he functioned as a Research Manager at VTT, Technical Research Centre of Finland. Thomas has a +20-year experience in material development with a focus on silicon-based materials. Among materials he has developed include silicon and metal oxide based optical coatings, dielectrics, resists, and lithography hard-mask materials. He received his PhD in Chemistry from the University of Southern California and MS in

Chemical Engineering from the Helsinki University of Technology. Presently, he has ~30 patents and ~50 publications/proceedings.



PicoLAS, headquartered in Würselen, Germany, is specialized in developing and manufacturing very compact and efficient drivers for diode lasers which have achieved a couple of market prominences: Base plate cooled cw drivers for fanless designs, high-efficiency digital controlled cw and qcw drivers, short pulse drivers for seeding and rangefinding applications. PicoLAS is Europe's number one for high-speed seeding of fibre lasers (< 400 ps up to cw). The main markets are: Medical (hair removal, skin treatment, ...), material processing (engraving, marking, cutting, soldering, drilling, ...), driving ultra-short pulse lasers and military & law enforcement (including high safety standards like SIL 3 and 4 or class e and higher). The PicoLAS R&D team also develops customized drivers in close cooperation with the customers. www.picolas.de

Markus Bartram (CEO) finished his degree in electronics engineering at the University of Aachen. He planned to conduct a research on high power pulsed laser diode arrays delivering as few as 100 ns pulse width. This dates back to 1998 when laser diodes were not as powerful as today. They had shorter life times and less reliability. We are talking about 100 hours of life time and up to 10 Watts of power back then compared to 100.000 hours and 500 Watts today. The industry was not ready yet to take advantage of such technology. So the whole idea ended up in a box. In 2004, the market requested more and more high-power pulsed laser diodes. One year later in 2005 the PicoLAS GmbH was founded by Dr.-Ing. Markus Bartram.



PicoQuant is a worldwide leader in the field of single photon counting applications. The portfolio encompasses ps pulsed diode lasers, ultra fast time taggers, single photon sensitive detectors, time-resolved confocal and super-resolution fluorescence microscopes and fluorescence lifetime spectrometers. Over 125 people work for PicoQuant in Germany, USA and China. www.picoquant.com



Jürgen Breitlow (CTO) joined PicoQuant in 2018 as a CTO. He studied Physics at the Humboldt University of Berlin (Germany) where he completed his diploma degree in experimental semiconductor physics. He developed automotive products at Siemens Electromechanical Components. Later he joined Neumann and Sennheiser, where his focus was primarily on developing microphones.



Polariton Technologies was founded in February 2019. It is a start-up coming out of ETH Zurich, Switzerland. The company specializes in new photonic and electronic technologies for the testing, sensing, and communications market. Polariton Technologies Ltd. develops, manufactures, and markets chip-level and packaged devices as a solution for broadband interfaces between electrical and optical signals. The core technology relies on plasmonic modulators on the silicon platform that allow for the signal conversion of RF signals to optical signals (of at least up to 500 GHz). www.polariton.ch



Claudia Hoessbacher (Co-Founder) is responsible for the company's business development. Prior to her current role, she gained more than six years of experience in integrated photonics, plasmonics and high-speed electro-optics. In 2017, she received the Dr.Sc. degree (Ph.D.) in electrical engineering from ETH Zurich, Switzerland. She further received a M.Sc. degree in Optics and Photonics and a B.Sc. degree in electrical engineering from Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany, in 2012 and 2010, respectively.



Polytec develops optical measurement technology solutions for research and industry. Polytec's top technological fields include: Laser Vibrometry, Laser Surface Velocimetry, 3D Surface Metrology, Process Analytics, Image Processing and Optical systems. Since its foundation in 1967, Polytec has grown into an international high-tech company. The development and production of innovative measurement systems as well as the distribution of excellent high-tech products from renowned manufacturers continue to form the basis for the continued growth of the company. Contract measurements and system rental round off our extensive range of services. Polytec know-how is therefore in demand across a range of sectors: Whether it's used in the aerospace, medical, nanotechnology or mechanical engineering segment. In the field of micro and nano technology, Polytec's innovative non-contact optical metrology enables fine 3D surface structures at the nanometer scale and systematic testing of dynamic mechanical response, working with resolutions in the nanometer range and below. www.polytec.com



Florent Deux (CEO) is the CEO of the Polytec France, He has been working in various optical technology fields for the past 15 years, including laser interferometry, white-light interferometry & spectroscopy for industrial and space applications. He formerly worked for a diffraction gratings manufacturer leading the worldwide business development for XUV, laser & space projects. He holds a MSc. degree in signal processing and applied acoustics (Chalmers University, Sweden) and an engineering diploma in mechanics (University of Technology, Compiègne).



Posalux is a Swiss machine tools manufacturer offering outstanding micromachining solutions to its worldwide customers. Through our three core technologies; Femto-LASER, Electro-Erosion and Mechanical machining, we develop drilling, routing/milling, cutting, and turning applications for the electronics, automotive, medical and industrial markets. Our high-performance machines are well

known for their long-lasting quality and reliability in mass production environment. Founded in 1943, Posalux is headquartered in Biel/Bienne. City which is not only famous as a watch metropolis, but also as one of the most important centers for advanced micro-technologies. With subsidiaries based in Taiwan, South Korea, USA, Germany and Italy, together with our worldwide network of sales and service agents, we are close to our customers and support them locally. Our dedicated support from the first phase of the project to the production ramp-up, assures the best performance out of our equipment. www.posalux.com

René Ronchetti (CEO) joined Posalux in May 2023. Previously, he held managing director positions in various industrial companies in Switzerland and France. Before his management career he worked gained experience as software engineer and project manager. He has a broad experience in machine building, project management and international business. René holds a degree in computer science and an MBA.



PowerPhotonic is a global leader in the design and manufacture of precision freeform fused silica micro-optics. Our business was founded with the objective of providing unsurpassed excellence in all aspects of micro-optics product realization for laser applications. Our world-class design skills are supported by an innovative and flexible manufacturing process that allows the company to design both a broad range of state-of-the art industry standard laser micro-optics products and, uniquely, to offer a low-cost rapid fabrication service for creating completely freeform optical surfaces. www.powerphotonic.com



Roy McBride (Managing Director) co-founded PowerPhotonic in 2004 and drove the formation and funding of the company. Prior to PowerPhotonic, Roy was Hybrids Development Manager at Alcatel UK, where he managed a team developing advanced active modules for optical communications. Other prior roles included Electronics Development Manager at Kymata, lecturer and researcher at Heriot-Watt University, and Laser Development at Ferranti. Roy is the author of numerous publications and co-inventor on 7 granted patents.



PROXIMION

Proximion is developing and manufacturing high-end FBG-based products and systems. Special focus is complete fiber optic sensor systems for harsh environments. Starting in 1998 Proximion to date designs and manufactures the world's longest continuous and most complex FBGs. Proximion is a fully owned subsidiary to Hexatronic Group, publicly traded at NASDAQ. www.proximion.com, www.hexatronicgroup.com



Johan Pejnefors (CEO) received his PH.D. in solid state electronics from the Royal Institute of Technology (KTH) in Stockholm Sweden in 2001. After completion of his diploma, he joined Ericsson Microelectronics. In 2004, he began working for Proximion where he was responsible for several R&D projects as well as product development projects. From 2013, Dr. Pejnefors worked as VP of Production and Quality at Proximion and since 2019 he is the CEO of Proximion.



QIOVA provides laser solutions for laser marking and surface treatment, based on patented multibeam technology that delivers typically 5x faster throughput than current laser solutions. The productivity step offered by our VULQ1™ laser systems enables manufacturers to add product personalization directly in-line. Our target markets are the serialization of manufactured products (pharma, electronics, medical, industry), decoration (luxury goods) and the functionalization of surfaces (transport). www.qiova.com



Florent Thibault (President and CEO) is President and CEO of QiOVA. Florent previously worked for Coherent as Product Line Manager of industrial laser product lines and Teem Photonics, holding various management roles from R&D to business development. Florent holds a PhD in laser and material sciences from University Paris XI, France and a MsEng degree in Photonics from the Institut d'Optique Graduate School (IOGS), Palaiseau (92), France.



QS LASERS is a manufacturer of picosecond and sub-nanosecond diode pumped lasers. Main activity of QS LASERS includes development, production and sales of lasers and laser systems. Company is specialized in production of advanced short pulse DPSS, passive and active Q-switched air cooled lasers. The choice of different wavelengths (1064 nm, 1053 nm, 1030 nm, 1342 nm, 671 nm, 447 nm, 914 nm, etc.) is widely used in applications like scientific research, medical equipment manufacturing, precision measurement, radar communication, material processing, process control, online detection and many other fields. QS Lasers newest product portfolio consist of: passively or actively Q-switched 880 nm True Three Level Nd doped Mini Lasers, Gain-Switched 1064 nm Picosecond Mini Laser with duration of 50-100 ps (optional 20 ps). www.qslasers.com



Evaldas Stralkus (Chief Business Development Officer) is the new Chief Business Development Officer for Optonas group of companies. Evaldas have more than 13 years' experience of working various positions in manufacturing companies. Latest position of his experience is CEO for Lithuanian Mint (circulation and collectible coins production). The company is 100% state-owned. He is Business Development professional with experience in C-level sales based on long term partnership, including experience in international sales with a demonstrated successful history of working on successful business lead and sales growth. Evaldas passion about manufacturing started from early beginnings as he has a master's degree in manufacturing (integrated production) science. He has constructive management approach and like to focus on continuous improvement to reach best organizational performance and output.



Quantum Valley Ideas Lab (QVIL) is a specialised advanced technology research centre with a focus on the development and commercialisation of quantum technologies. We bridge the gap between academic labs and industry to accelerate the research and development of the most promising quantum technologies as the basis for exciting new products and businesses. QVIL has projects underway to develop 1) quantum sensors for RF applications in 5G, Communications, Radar and space; 2) quantum-based gyroscope and accelerometer for navigation in GNSS denied environments; 3) atomic clock for navigation and data centre environments. www.qvideaslab.ca



Nick Werstiuk (CEO) is the Chief Executive Officer of Quantum Valley Ideas Lab. Prior to joining Ideas Lab in 2020, Mr. Werstiuk was Director of AI Offerings at IBM where he led an AI and HPC product portfolio commercializing research innovations into successful products. Nick's broad expertise includes early-stage technology commercialization, new product development, corporate strategy and development, and identifying growth markets to drive technology research towards commercial success. Nick graduated with Honours from the University of Toronto with a Bachelor of Applied Science in Electrical Engineering.



Quantum Technologies is a Berlin-based start-up focused on biomedical sensors based on mid-infrared lasers. Quantum Technologies develops Tunable QCL-based Micro Spectrometers for Industrial and Medical Applications. www.quantum.com



Raab-Photonik is a service company with own application laboratories for practical and theoretical development, verification, consulting, and intellectual property in the fields of lasers and optics like LIDAR, spectroscopy, sensors, LED-collimation and semiconductor lasers. Typical developments improve the beam quality of lasers, wavelength stabilization and tuning, spectral multiplexing, and frequency conversion. Optical optimizations deal with complex fiber coupling, achromatic or astigmatic optics, LED beam shaping and spectroscopy. www.raab-photonik.de



Volker Raab (CEO) earned his diploma degree from Technical University Munich on data analysis of particle collisions at CERN, Geneva. Then, after the fall of the Berlin wall, he went to the former east for a Doctorate in theoretical physics of nonlinear systems. This was applied to arrays of semiconductor lasers during a post-doc activity. These researches spawned the company which now offers over 25 years of optical development experience resulting from over 130 projects of all sizes.

RayVen Laser

RayVen is a start-up specializing in the development and distribution of ultrafast lasers emitting around 2 μm . Our products serve a multitude of purposes, including seeding amplifiers, facilitating non-linear frequency conversion, and enabling precise molecular spectroscopy. RayVen aimed at entering market such as semiconductor processing or medical applications. Since January 1st, 2024, RayVen has been supported by a substantial 1M€ grant from the EXIST-Forschung Transfer program. The start-up is based In Bochum, Germany. www.rayvenlaser.com



Celia Millon (CEO & Founder) is one of the founders of RayVen, Germany. Celia received her PhD degree in Physics at the Atomic Energy Commission (Saclay, France) where she developed a prototype of laser ultrasonics system to control metallic additive manufacturing processes. She joined the Applied Optics Laboratory (LOA, Ecole Polytechnique, France) where she worked on filamentation. She created RayVen during her last post-doc position in Photonics and Ultrafast Laser Science (PULS, Ruhr University Bochum). She stepped out of the lab to focus on the development and the executive activities of RayVen.



Renevo Capital is focused on delivering corporate finance advisory services to the "digital stack". This comprises the Materials, Process, Electronics, Photonics and semiconductor industries, along with Communications, Software, and Internet Services industries. Our technical strengths and expertise generate the most value to companies with high growth potential in advanced technology industries, who are looking to capitalise on their potential. www.renevocap.com



RIBER is the leading supplier of MBE systems, components and services. Our company has installed over 800 systems across 35 nations. At the core of our being is the relationship we have with our customers that ensures whatever we bring to market is the right product at the right time. Riber science and engineering lies at the heart of every significant development milestone in commercial MBE systems and components since the technology was first realized. The device and application breakthroughs that have emerged from Riber MBE are legion, from initial discovery all the way through to mass production. To begin with this was in the electronics sector driven mostly by mobile communications but now we see a significant shift towards photonic devices. It's highly likely that a modern solid-state device you own or use contains compound semiconductor crystals born of a Riber Production MBE reactor. As our portfolio of products and service expands beyond where we are already unrivalled & firmly established; we continue to explore, discover and prepare for what comes next. www.riber.com





Annie Geoffroy (Chairwoman of the Executive Board) - ESCP Europe and Post-Graduate Diploma in Business Management Control, has spent most of her career in industry, as Group & Finance executive officer of SIA Homefashion, Paprec Recyclage and ALCOR (CDC). Her experience as general manager of industrial companies, as well as her deep knowledge of the Company and its strategy, are solid assets for optimizing RIBER's operations, which are essential for developing value-creating leverages over the long term.



Jean-Louis Guyaux (Technical Director) began an MSc in Physics at the University of Namur in Belgium and in 1991, he embarked on a PhD in Physics at the same university on the topics of semiconductors and surface analysis of thin films. On completion of his PhD in 1996, he worked as an R&D Engineer Thomson-CSF, now part of the Thales Group, working on lasers and detectors based on III-V semiconductors. He became a field R & D Engineer for Picogiga, a France-based manufacturer of gallium arsenide semiconductors mainly for telecommunications. In 2008, he was made Director of R&D, and in 2009, he became Riber's CTO with responsibility for technical and business development, coordinating and managing mechanical, automation and software design, driving R & D and leading a team of 26 engineers.

RP PHOTONICS



RP Photonics offers advanced simulation and design software, technical consultancy, and last not least the most powerful digital marketing platform in photonics. The flagship software product is RP Fiber Power, the leading software for the fiber amplifier and laser design, including even ultrafast laser systems, and of course passive fiber optics. Other software products are suitable for laser resonator design, ultrashort pulse propagation and multilayer coating design. The RP Photonics website, containing the RP Photonics Encyclopedia and the RP Photonics Buyer's Guide, belongs to the most popular ones in photonics worldwide and functions as an effective digital marketplace, bringing together buyers and suppliers. www.rp-photonics.com



Rüdiger Paschotta (Founder & Managing Director) is the Founder and Managing Director of RP Photonics and is well known for his famous RP Photonics Encyclopedia (www.rp-photonics.com/encyclopedia.html). His main offers are powerful digital marketing in photonics (using the buyer's guide which intimately connected with the encyclopedia) and design and simulation software in photonics. Besides, he offers technical consultancy and tailored staff training courses.



The SAES Group is a world leader in a variety of scientific and industrial applications where high/ultra-high vacuum conditions or pure metal vapors or ultra-pure gases are required. Starting in 2004 the Group has expanded its business into knowledge-intensive materials markets, in particular the market of NiTiNOL, whose super elastic properties are applied to medical devices while shape memory properties are applied in industrial and consumer electronics applications. For more than

70 years, our technology has been supporting innovation in the following sectors: i Information and Displays industry, ii Lamp industry, iii Vacuum and Ultra-high Vacuum applications, iv Vacuum tubes and electronic devices industry, v Ultra-high gas purification for Semiconductors, vi Renewable Energies area. Since 2004 our NiTi smart materials solutions have been innovating: i the Medical devices industry, ii the Consumer electronics industry, iii the Automotive industry, iv the White Goods and Domestic industries. The Group is also developing a wide range of advanced polymer-matrix composite materials for the encapsulation of OLED Displays, OLED Light Sources and other Organic Electronics and Organic Photonics devices. www.saesgroup.com



Alessio Corazza (Business Development Manager) graduated in Physics and specialized in Material Science at Milano University. In 1995 he joined SAES Group and worked in the Metallurgical Laboratory for five years; then he headed the SAES Lighting Applications and Materials Laboratory, coordinating R&D projects for the development of innovative solutions and components for light sources. Since 2014 he is Business Development Manager for Lighting, Photonics, and Opto-electronic Applications. He is author or co-author of more than 25 scientific papers and more than 20 international patents.



SCHOTT is a leading international technology group in the areas of specialty glass, glass-ceramics and related high-tech materials. With over 135 years of experience, the company is an innovative partner to many industries, including the home appliance, pharma, electronics, optics, life sciences, automotive, aviation and space industries. SCHOTT has a global presence with production sites and sales offices in 34 countries. SCHOTT AG has its headquarters in Mainz (Germany) and is solely owned by the Carl Zeiss Foundation. This is one of the oldest private and largest science-promoting foundations in Germany. As a foundation company, SCHOTT assumes special responsibility for its employees, society and the environment. www.schott.com



Daniel Vasseur (Vice President Global Sales EMEA - LATAM) is Vice President Global Sales for Schott group in EMEA - LATAM and Managing Director of Schott in France. He has an optical engineer background and a professional expertise in Space and Defense on products related to Optics, Technical Glass and Lasers. Thanks to his experience in optical manufacturing processes and coatings during the last 25 years to provide solutions on integrated special glass or optical components.



SCIL Nanoimprint Solutions offers high-volume production solutions for complex nanostructures on large wafers at low cost and very high quality using a unique and proprietary nano-imprint lithography technology (SCIL). Many products like smart phones, smart glasses and cars require high-performance optics for sensing and vision applications. These so-called nano-photonics are difficult to manufacture using conventional lithography techniques because of expensive tools, complex processes, and low yield. With our combination of imprint equipment, imprint materials and process know-how SCIL Nanoimprint solutions offers robust processes enabling nanometer

resolution patterns on wafer areas up to 300 mm and on a large variety of wafer materials. It can be used to make patterns with feature sizes down to less than 10 nm and overlay alignment below 1 μm . www.scil-nano.com



Rob Voorkamp (CEO) holds masters in Mechanical Engineering as well as Business Innovation. Throughout his career, Rob held several positions in project management, marketing and business development in different types of industry. His business development activities involved licensing, technology acquisition and M&A in high-tech industries. In 2015, Rob started SCIL Nanoimprint solutions together with several key inventors.

SEDI-ATI
fibres optiques



SEDI-ATI Fibres Optiques is specialized in the design and manufacturing of custom passive optical fiber components and solutions for extreme environments such as extremely high and low temperatures, extreme pressures from ultra-high-vacuum to hyperbare, and radiative, corrosive, or abrasive environments. SEDI-ATI addresses complex applications for the military & aerospace market, as well as for the energy, the laser industry, the communication & security, the research, and the medical markets. SEDI-ATI offers connectors, pigtails & cables, couplers & WDMs, hermetic feedthroughs, bundles & arrays, as well as medical probes. Our strength at SEDI-ATI is to choose the right fiber together with the right materials, coatings, buffers, and special ingredients to achieve fiber assemblies that can handle strong environmental constraints. www.sedi-ati.com



Jean-François Vinchant (President & CEO) took over SEDI-ATI since July 2016 to consolidate this technology in France. Graduated in engineering school and PHD in electronics and optoelectronics, Jean-François spent 20 years, from 1990 to 2009, within the French optics valley in Essonne within companies, such as Alcatel Corporate Research, Alcatel Optronics, Avanex and 3S Photonics. At Alcatel Optronics, he introduced the first DWDM laser into production as well as the first 10 Gb/s integrated electro-absorption modulator with a DFB laser. After an MBA at ESSEC business school, he run Polycaptil, a SME based in Besançon, from 2009 to 2016. Since 2008, Jean-François is also an independent expert in Photonics to support the European Commission. In 2018 and 2019, Jean-François was Vice President Industrials and Academics at Photonics France. Since 2019, Jean-François is now President of the Optics & Photonics Hub and board member of Systematic, and since 2023, vice-president SME of Systematic, the European Deep Tech Cluster from Ile de France Region.

SENSOFAR
METROLOGY



Sensofar is a multi-national company whose mission is to develop, manufacture and commercialize high-end metrology tools. R&D is an additional goal of the company with more than 20% turnover investment. We have been combining the new product lines with some value-added improvements based on our comprehensive knowledge of the optical metrology field and by working very closely with research centres and universities across Europe. We also provide consultancy within the field of metrology, and pursues a philosophy of guaranteeing advanced techniques, high quality and customer services. The Sensofar Group headquarters is located in Barcelona, Spain, with more than 100 employees and a yearly turnover exceeding 20 M€. The Group is represented in over 30

countries through a global network of partners and has its own offices in Asia, Germany, and the United States. www.sensofar.com



Roger Artigas (President & CTO) was born in Terrassa in 1973. He won the title of Physics Science from the Universitat Autònoma de Barcelona in 1997 and a Ph.D. in Physics, specialty of optical engineering, from the Universitat Politècnica de Catalunya in 2001. He has been working since 1997 to the present at the Centre for Sensors, Instruments and Systems Development (CD6) as optical engineer researcher. In 2001 he founded the company Sensofar Tech SL. From 2005 to the present, he is part of the TC213 WG16 committee of the ISO25178 standard which is applied in the field of equipment developed in Sensofar. Currently, he holds the position of President and CTO at Sensofar Tech SL.



Silicon Austria Labs (SAL) is an Austrian applied R&D center for electronic based systems and provides cooperative research in the areas of Sensor Systems, RF Systems, Power Electronics and Embedded Technologies. SAL has extensive experience in the design and prototyping of micro- and macro level photonic systems in a broad range of industrial applications. The Photonic Systems research units consist of 27 high skilled researchers in the fields of:

- Optical System Design
- Integration of MOEMS Components for laser-based applications
- High Power Lasers for ignition, spectroscopy and surface functionalization
- Fibre Sensing Technologies
- Optical fibre tuning (splicing, tapering, printing, etc.)
- Non-linear ultrafast spectroscopy
- High performance hyperspectral imaging
- Quantum Sensing
- Electronics design for photonic systems
- Photonic micro assembly and wafer level integration/packaging

www.silicon-austria-labs.com



Andreu Llobera (Head of Photonic Systems) received PhD in Physics in 2002. Currently is the new Head of Research Unit Photonic Systems. Previously, he was the head of Innovation at Microliquid S.L (2020-2022) and he was the head of disruptive technologies at Carl Zeiss Vision (2016-2020). He has participated in several research projects financed by the Spanish Government and by the European Community both as coordinator and as consortium member. He has co-authored +140 published articles, with a total of +2000 citations and an h factor of 26. He holds 17 patents and he has contributed with +140 to international conferences. His research activities include photonic lab-on-a-chip, integrated

optics devices and platforms and related materials, processes and technologies, Andreu was awarded a Starting Grant in 2008 and a Proof-of-concept in 2015, both from the European Research Council.



Thomas Ladstätter (Senior Business Development Manager) is responsible for industry cooperations and business development at the Sensor Division of SAL in Villach/Austria. He holds a master degree in environmental system sciences of the Karl-Franzens- University Graz. In the last years, he supported ESA and other projects in the field of laser ignition systems for rocket engines, as well as working on business cases and application scenarios for photonic technologies.



Sill Optics is one of a few medium-sized companies in Germany, which has specialized in the production of optical components of highest quality. Its philosophy: "100% Made in Germany". www.silloptics.de



Sahajanand Laser Technology Limited (SLTL) - An ISO 9001:2015 Certified company. It's a pioneer in the field of lasers in India, caters to the need of various industries. The company offers pinnacle solutions with a wide range of laser system for diversified industrial applications such as: Cutting, Marking, Welding, Micro Machining, Solar Cell Scribing/ Cutting, Diamond processing and scanning since 1992. SLTL sustains a monopolistic situation & is world's largest manufacturer of CNC laser systems for Diamond industry as well as customized CNC laser solutions. The major export hotspot for SLTL are the countries in Indian subcontinent, South East Asia, Middle East, Russia, China, Europe, USA, Canada, and Latin America. Company has Govt. approved In-house R&D facility having 10000+ installations around the World. SLTL have also been bestowed with numerous awards by national and international governments/ institutes. www.sltil.com



Arvind Patel (CEO) With Bio-Medical Engineering base chosen as preliminary profession worked with ISRO for many well-known projects. It was until then that he decided to make his own way to transform industries worldwide. Since the summer of 1989 he started manufacturing Laser systems in India with company set-up in USA, Germany, UK and China and exporting to over 30 countries (such as Russia, Switzerland, Singapore, South Africa etc) truly have Global Footprint. Having over 40 years of experience in development of automation systems for various industrial, medical & renewable energy applications, he is the first-generation entrepreneur, who ventured into manufacturing electronics automation

systems on Numeric Controlled (NC) industrial machines including laser micro machines; holds more than 26 patents. He accomplished a complete set of products and services for wide range of lasers (YAD, Diode, CO2, Fiber, UV, etc.) for varied applications such as Laser Cutting, Marking, Welding, Micro Machining, Solar Cell Scribing/Cutting, Scanning, Diamond processing, Medical Surgeries, Medical Stents, PTCA balloon catheters Stent Cutting, etc. He takes pride in being one of the few for providing indigenous solutions to Scientific & Research Institutes / Defence & Government organizations in India and abroad. For the entire domain of the gems & jewellery processing industry and by leveraging advanced technologies he ensure that human errors are nullified, wastage is minimized and efficiency along with top quality become synonymous with the solutions that he offers. In 2014, 05-Dec-2014 Economic Times report suggested that India own 93.33% of the diamond market. He creates value at every step for the entire Diamond Processing pipeline with its trusted AI based technology advanced Laser Systems designed for the entire Diamond Journey. TTL

technology which helped the jewellery hallmarking industry to carry flexible & enhanced vision of the operation field. He commenced in to manufacturing of Drug Eluting & Bare Metal Coronary Stent, PTCA Baloon Catheter, Peripheral Stents & Surgical Medical Lasers as well as the Stent Cutting Lasers. In order to take forward the legacy of innovation since good presence in the energy sector he is planning to make it even stronger with a decentralized natural gas project. The invention relates to a method to generate biofuel from radiant energy - agricultural biomass or industrial bio-waste. For this project he had already got the patent.



SOLNIL developed a proprietary low cost nano-manufacturing technology that makes possible the direct nanoimprinting of metal oxides through advanced sol-gel chemistry. Metal oxides (e.g., SiO₂ and TiO₂) offer enhanced optical, thermal and mechanical performances compared to polymers used in standard nanoimprinting. SOLNIL's technology is suitable for applications requiring miniaturized and engineered optical functions: multispectral imaging, 3D sensing, laser optics, augmented reality, metasurfaces, gas sensing. www.solnil.com



Badre Kerzabi (CEO) obtained a degree in optical engineering from the Institut d'Optique Graduate School (Palaiseau) in 2006 and a Master's degree in photonics from Nanyang Technological University (Singapore) in 2007. He started his career in optical design for applications in medical imaging, semiconductors and displays. He then specialized in nano-fabrication technologies, joining the start-up Sunpartner in 2012 to lead the work on optical engineering and related micro and nano-fabrication processes for the development of semi-transparent solar cells. He will later take up the position of innovation program manager. After the acquisition by Garmin in April 2019, he will continue to hold the latter position until his departure in June 2020 to create and lead SOLNIL.



SONNENBERG HARRISON



Sonnenberg Harrison has established itself as one of Europe's innovative intellectual property and technology law firms. Its attorneys have science and/or law degrees and are active in most fields of technology. The firm has advised startup companies and investors in the creation of new IP-based businesses together with technology transfer offices from universities and research institutes. It supports small and medium-sized companies by offering outsourced IP management services, particularly in the fields of physics and engineering. Its attorneys have experience working in patent offices and companies and the advice provided is business-focused to support its international client base. www.sonnenbergharrison.law



Robert Harrison (Managing Partner) is an experienced business executive as well as qualified intellectual property attorney with over 30 years' experience in advising clients at the interface of technology management, business development and intellectual property. His focus is on developing intellectual property portfolios and commercialisation strategies for start-ups and small and medium-sized businesses, particularly in the field of semiconductors, photonics, electronics, biophysics, quantum technology and software. Robert has advised investors on legal aspect of intellectual property and its value, as well as on third party infringement risks.



SPIO Systems has invented a radical new manufacturing technology of optical engines and devices. Stacked Planar Integrated Optics [SPIO] is true Integrated Optics on multiple Planar wave-guiding wafers that stacked and bonded constructs optical engines on wafer-level. SPIO technology enables miniaturisation of existing and new instruments by at least on order of magnitude and is a cost-effective, mass production of optical engines in millions of units which is not possible with previous manufacturing technology. www.spiosystems.com



Annemiek Chall (Optical Engineer) has more than 10 years of experience in the optical industry. She obtained her master of science degree in experimental physics from the Technical university of Ilmenau, Germany. She started to work in different optical industries as microscopy, 3D printing and illumination. 3 years ago, she joined SPIO Systems as the leading optical engineer and is responsible for the design process of optical micro systems and their evaluation.



Henrik Madsen (CEO) started SPIO Systems in 2020 as CEO devoted to commercialising the new manufacturing technology SPIO that enables new applications previous not possible with traditional optical engine designs. Henrik Madsen has a master's degree in optics and mechanical engineering from Aalborg University and has worked more than 30 years in optical industry both within classical optics but as well micro-optics on wafer level the recent 15 years. He worked for 8 years at Ibsen Photonics with R&D in diffractive optics and another 10 years at Kaleido Technology in product development and management in ultraprecision optics and wafer level glass moulding. Henrik co-founded Millpond Optics as CTO which produces custom optics and tooling.



Stensborg is a privately held company located in Roskilde, Denmark 30 minutes from Copenhagen Airport. We have served our clients for nearly 20 years producing Roll-to-Roll & Roll-to-Plate UV-nanoimprint lithography production equipment as well providing NIL production services, design mastering and volume production. Our skilled team excels in the full production cycle of nano and micro surface relief creations as well as imprinting production. We have our own range of proven machines, prepress materials and resin chemistry. www.stensborg.com



Jan Stensborg (CEO) studied at the Holographic Laboratory, DTU (Technical University of Denmark) and went on to establish Stensborg A/S in 1997. He has more than 20 years' experience of working with the industrial mass production of functional surface structures, HOEs and optical elements. Jan is inventor of several patented NIL related technologies. He is experienced in all phases of product development and delivery to large companies, as well as using a variety of staffing options, process frameworks and technology stacks. His specialties include: Performance management, technology evaluation, financial planning and analysis, project management, large volume production of nano-and micro structures, holographic technologies, clean room construction and management.



SUSS MicroTec is a leading supplier of equipment and process solutions for microstructuring in the semiconductor industry and related markets. In close cooperation with research institutes and industry partners SUSS MicroTec contributes to the advancement of next-generation technologies such as 3D Integration and Nano Imprint Lithography as well as key processes for MEMS and LED manufacturing. With a global infrastructure for applications and service SUSS MicroTec supports more than 8,000 installed systems worldwide. www.suss.com



SwiRoc Corp. was funded by Hermes-Epitek in 2016, currently being the only high-power fiber laser solution provider in Taiwan. A series of high-power laser solutions has been launched since. With the industrial leading BPP performance, SwiRoc successfully established its footprint in several industries, and start building the presence in global market. SwiRoc's products lines include High Power Fiber Laser (FL series), High Power Flattop Fiber Laser (FT series), and Direct Diode Laser. Each series has optimal uses and applications. The stand-alone laser module and laser system that comes with programmable scanner / process head are also available. www.swiroc.com



Richard Hou (Operations Vice President) is responsible for R&D and Operations functions of the company. Richard began his career in 2008 as Systems Design Engineer at Cymer, responsible for high power CO2 laser development for EUV generation. He also served as Engineering Development Manager in Lumentum and led the development of high-power direct diode laser. He received his M.Sc. and Ph.D. in Electrical Engineering from the University of Michigan, USA.



Swissmem Photonics Industry sector is a network for developers, manufacturers and providers of photonics and optics components and systems as well as for representatives from universities and research institutions. We bring together stakeholders from science, industry and society to find and boost product & process innovations. Furthermore, we are the leading house for the Innovation

Booster Photonics – an innovation funding instrument to foster science-based and sustainable radical innovation to help Swiss companies and organizations to discover novel solutions with user-centric methods and agile learning cycles. www.swissmem.ch / www.ntnphotonics.ch



Selina Casutt (Managing Director) graduated in physics and holds a PhD in ultrafast laser physics (both ETH Zürich). She has been active in the photonics industry for over a decade, for example in the fields of ultrafast lasers, tunable lenses and optics systems. She currently serves as the Managing Director of the Innovation Booster Photonics. This program fosters radical ideas by uniting diverse partners to collaboratively develop cutting-edge photonics solutions tailored to address pressing needs. The Booster not only organizes events but also provides substantial support and funding for projects to push advancement of photonics technology.

SWISS PHOTONICS



Swissphotonics is an association with the goal to support the innovation forces by bringing academic and industrial partners together in the field of photonics. Towards this goal we organize workshops and we are networked on Swiss and international level and we provide access to this network for our members. www.swissphotonics.net



Christian Bosshard (Managing Director) received his degree in Physics (1986) and his doctorate (1991, Silver medal award) from ETH. From 2001-2021, he was working at CSEM, first as Section Head and then as Vice President and Head Photonics. Since 2013 he is Managing Director of Swissphotonics. Christian is a Fellow of OPTICA, President of Swiss PIC, and Member of the Board of the University of Basel. Christian Bosshard is a member of the EPIC Board of Directors.



FIBER OPTICS



SYLEX, established in 1995, is a reputable mid-size company renowned for its high-quality fiber-optic interconnect solutions and monitoring systems. Its collaborative efforts with universities and research centers continually enhance its production capabilities, ensuring swift integration of cutting-edge products to meet clients' evolving needs. With a focus on efficiency and excellence, it is equipped to handle even the most demanding requests, from small-scale projects to large series. As a leading provider of fiber optic termination solutions, SYLEX specializes in designing and manufacturing fiber optic assemblies tailored to various industries. Its range includes assemblies with standard single-fiber and multi-fiber connectors, lensed connectors, fiber arrays and specialized connectors for diverse applications such as telecom, datacom, defense, avionics, and PIC's. SYLEX also offers automated monitoring solutions based on modernized FBG technology. These systems are instrumental in monitoring the structural health and operational conditions of infrastructure objects across industries including civil engineering, geotechnical, energy, transportation, chemical, oil & gas, and process control. www.sylex.sk



Dana Synakova (General Manager) studied at the University of Economics in Bratislava and earned a diploma in International Trade. She started working at company Sylex in 1998 as a Logistics Manager. From her initial role in logistics management, she seamlessly transitioned through various positions. Since 2018, she has held the role of General Manager. Recognizing the importance of expansion and diversification, Dana supports initiatives to lead the company into new markets and industries. At the same time, she places significant emphasis on the company by fostering a positive work environment and investing in employee development to ensure that the company thrives as a united and motivated unit.



Michal Golias (Sales Manager) holds a Master of Science degree from the Slovak University of Technology, Faculty of Electrical Engineering and Information Technology. During the final two years of his studies, Michal gained invaluable experience at Sylex, where he worked alongside various departments including quality assurance, technology, engineering, and research and development. Upon graduating in 2003, Michal joined Sylex as a process engineer. Over the years, he transitioned into roles that allowed him to expand his skill set and expertise. In 2004, Michal took on the role of Project Manager, and in 2014, he further evolved his career by transitioning into the position of Sales Manager. This role allows him to leverage his technical background and project management experience to drive growth and success in the field of fiber optic technology.



Synova, headquartered in Duillier, Switzerland, develops, manufactures, and sells advanced laser machining systems that incorporate its proprietary water jet guided laser technology (Laser MicroJet®) in a true industrial CNC platform. The hybrid Laser MicroJet (LMJ) method of machining combines a laser with a "hair-thin" water jet that precisely guides the laser beam by means of total internal reflection. Synova's 3 and 5-axis machines allow fast and precise machining of a wide range of materials, from metals to ultra-hard and brittle materials such as diamond or ceramic, to complex composites – without thermal damage, debris deposition and taper. The company has delivered over 500 machines worldwide, designed for applications such as drilling cooling holes in turbine blades, faceting rough diamond stones and processing semiconductor equipment consumables. The Synova group employs over 145 people worldwide, including 40 engineers, who mainly focus on researching new material cutting solutions, further applications and laser cutting equipment. Aside from research, both the final assembly and testing of up to 100 machines a year are performed in Synova's modern, 3000 square meter facility in Duillier. Synova has established subsidiaries in the USA, Japan, India, Korea, Germany, China, South Africa and the United Arab Emirates for optimized customer support. Synova is a company with global reach focused on delivering high quality solutions and services to its customers wherever they are. We strongly believe that the motor of our success and growth is our technology, experience, and dedication to our customers. www.synova.ch



Bernold Richerzhagen (Founder & CEO) is the Founder and CEO of Switzerland-based Synova S.A., the world pioneer in water jet guided laser technology. Synova's proprietary technology was incubated at École Polytechnique Fédérale de Lausanne (EPFL) where Mr. Richerzhagen championed its transition from concept to today's reality. Recognized worldwide as the inventor of water jet guided laser technology, Mr. Richerzhagen has received several prestigious accolades including: Technology Innovation Awards from the Swiss Secretary of Economy (SECO) and the Cantons of Central Switzerland (1997); the Technopark Zurich Foundation and the Swiss Minister of Economy (1998); Entrepreneur of the Year from Ernst & Young Switzerland (2004); and the Frost &

Sullivan's European Technology Innovation Award (2005). He is author of several hundred articles and has addressed numerous conferences on the subject of water jet guided laser technology. He also holds several patents on the development of the water jet guided laser and related inventions such as laser dicing tape, water film for surface protection, laser trenching of semiconductor wafers, and gas enveloped liquid jets. He received his Bachelor's and Master's Degrees in Mechanical Engineering from Rheinisch-Westfälische Technische Hochschule Aachen (RWTH) in 1986 and 1988, respectively, and a Ph.D. in Microtechnics from EPFL in 1994. For his thesis, he joined EPFL's Optical Applications Institute as an assistant working on medical lasers. In 1996, Mr. Richerzhagen founded an engineering office where he developed the first prototype of a water jet guided laser machine, before founding Synova S.A to bring the Laser MicroJet® to market in 1997.



TANAKA Kikinzoku International, based in Frankfurt Germany, provides Sales & Marketing support in Europe for the global business expansion of TANAKA PRECIOUS METALS, which has been a Japanese leading precious metals trader, refiner, and manufacturer since 1885. Precious metal materials in photonics are widely used in cutting-edge applications such as various plating materials, paste deposition materials, bonding materials, and encapsulation materials. Our mission is to contribute to these developments through precious metal technology. We are committed to providing products that incorporate advanced technological needs. www.tanaka.co.jp



Nobuyuki Akiyama (Sales Engineering Manager) Performs sales and marketing activities including product promotion, technical communication, and business development for customers. Mainly responsible for functional thick films, bonding materials, and powders among precious metal products.



Technology Innovation Institute (TII) is the applied research pillar of Abu Dhabi's Advanced Technology Research Council (ATRC). TII is a pioneering global research and development hub that focuses on solving tomorrow's challenges, today. It has ten dedicated research centers in advanced materials, AI and digital science, autonomous robotics, biotechnology, cryptography, directed energy, propulsion and space, quantum, renewable and sustainable energy, and secure systems. TII is leading the efforts to shape research in photonics towards transformative technology outcomes in Abu Dhabi and the UAE. By working with exceptional talent, universities, research institutions, and industry partners from around the world, TII connects an intellectual community and contributes to building an R&D ecosystem that reinforces the status of Abu Dhabi and the UAE as a global hub for innovation. www.tii.ae



Ravi Kiran Saripalli (Senior Researcher and Lead of Light Communication Division) is a Senior Researcher and the Lead for the Light Communication Division at the Directed Energy Research Center (DERC) within the Technology Innovation Institute (TII) in the UAE. He drives forward projects in Free Space Optical Communications, quantum information, and the development of a research platform exploring light-matter interaction and nonlinear frequency conversion. Additionally, he plays a crucial role in managing various business partnerships for DERC, contributing to the center's mission of innovation and collaboration. With expertise in light processing, structured light, nonlinear optics, and ultrafast optics, he has authored over 20 impactful scientific papers, garnering attention through news releases and Editor's picks. Dr. Saripalli has led successful research endeavors supported by prestigious institutions like DARPA, US DOE, and ISRO, while also securing multiple grants and receiving recognition through presentation awards.



Tematys provides a complete range of services to companies and public organizations in the fields of optics, photonics, sensors and material Engineering. Our clients are companies of any size, from international groups to SMEs and start-up. We have also developed a special expertise in R&D valorization and marketing of emerging technologies for Research Organizations and Laboratories. We provide strategic views on optics and photonics markets for publics for clusters and public agencies. www.tematys.com



Benoît d'Humières (Partner) graduated in Physics and Chemistry from the ESPCI Paris – PSL and Sorbonne University. He is an expert in Optics, Electronics and Instrumentation for industrial and research applications. In 1991, after some years of research at the University of Florida, he became an innovation consultant. He has run many marketing and technological studies for companies of any size and Research institutions. Benoît has also taught the marketing of photonic technologies at the Institut d'optique-Graduate School (Palaiseau, France).

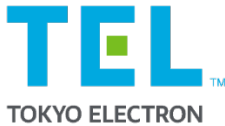


Thorlabs, a vertically integrated photonics products manufacturer, was founded in 1989 to serve the laser and electro-optics research market. As that market has spawned a multitude of technical innovations, Thorlabs has extended its core competencies in an effort to play an ever-increasing role serving the Photonics Industry at the research end, as well as the industrial, life science, medical, and defense segments. The organization's highly integrated and diverse manufacturing assets include semiconductor fabrication of laser diodes, optical amplifiers, lithium niobate modulators, quantum cascade/interband cascade lasers, and VCSEL lasers; fiber towers for drawing glass optical fibers (silica, fluoride, tellurite, and hollow core); MBE/MOCVD epitaxial wafer growth reactors; extensive glass and metal fabrication facilities; advanced thin film deposition capabilities; and optomechanical and optoelectronic shops. www.thorlabs.com





Bruno Gross (Vice President) studied physics in Munich and Vancouver. He received his Ph.D. in physics from the Ludwig-Maximilians-University Munich while working as a researcher at the Max-Planck-Institute for Quantum Optics in the group of Prof. T.W. Hänsch. Bruno started his business career as a management consultant. Afterwards, he held various senior management positions, both in the photonics industry as well as in large educational, non-profit organizations. Currently, he is heading Thorlabs Europe, with locations in France, Germany, Sweden and the UK.



Tokyo Electron Limited [TEL] is a leading equipment supplier for the production of semiconductor chips across the world. The headquarters is based in Tokyo, Japan with the Equipment Productions Facilities, R&D Centers, Sales and Services offices based across the world. TEL is also a member of many R&D consortiums across Asia, Europe and Americas. www.tel.com



Dave Hurley (Senior Venture Partner) has been a member of TEL Europe Corporate Senior Staff for 12 years. He supports venture capital investments, portfolio management and startup ecosystem engagement in Europe. He also manages TEL Europe's publicly funded R&D and advocacy activities, related to the EU Chips Act. Prior to joining TEL Ventures, Dave spent 10 years as General Manager of TEL Magnetic Solutions, a company he founded as a university spin-out which became the leading supplier of magnetic annealing technology for the data storage, magnetic sensor and magnetic NVM segments. It was acquired by TEL in 2012. Dave has served as advisor, mentor and board member to several start-up companies in the semiconductor space during his career. Dave received PhD and undergraduate degrees in Physics from Trinity College in Dublin, Ireland and has held research fellowships at the Humboldt University in Berlin and Tohoku University, in Japan.



TOPTICA EAGLEYARD is based in Berlin, Germany, and is a leading supplier of high-power laser diodes with wavelengths ranging from 630 nm to 1120 nm based on GaAs (Gallium Arsenide). TOPTICA EAGLEYARD's products combine maximum power, great durability and excellent beam quality – a perfect match for high-end applications (e.g. in life science, industry, space, quantum technologies). By transforming research-based know-how into market-ready products TOPTICA EAGLEYARD lies a special focus on highly integrated components. The company was founded as a spin-off from the renowned Ferdinand-Braun-Institut (FBH) in 2002 and is part of the TOPTICA Group since 2013. www.toptica-eagleyard.com



Claus Heitmann (CEO) is responsible for TOPTICA EAGLEYARD's recent growth and strategic positioning. THINKING BEYOND is not only the company's spirit but also part of his DNA: Having customers' visions in mind, he has shaped a clear path since he joined TOPTICA EAGLEYARD in 2020. After being in the industry for almost 25 years (Siemens, Infineon, Lumics among others) and having successfully integrated his own company C2GO into Trumpf SE he is very aware of all trends and fosters innovations, cooperations and thinking outside the box. His personal and professional preferences are projects that not only serve customers in a great way but that also make the world a better place.



TOPTICA



TOPTICA Photonics, from a start-up in 1998, over the last 25 years has developed into an international cooperation, including subsidiaries in France, USA, Japan and China. With 480 people, the company today focuses on development and production of laser tools for industry and academia, for applications in biophotonics, test and measurement and most prominently in quantum technology. TOPTICA has become one of Europe's leading high-tech laser and photonics company, and is headquartered in Munich, Germany. www.toptica.com



Thomas Renner (CSO & Member of the Executive Board) joined TOPTICA Photonics in 2005 and is one of the two presidents of TOPTICA. He is working with lasers for 35 years and has a passion for everything which is related to photonics and light interaction. International business development (with a small personal kink for Japanese food) and the spirit of start-ups/medium sized photonic companies get him excited. He is a believer in the European idea and appreciates the activities, which EPIC is setting up for the European photonics industry.



TOPTICA Projects, a subsidiary of TOPTICA Photonics AG, has been founded in 2016. TOPTICA Projects focusses on customized laser solutions, innovation and technology development. The portfolio includes the award-winning sodium guide star lasers and very high-power optical amplifiers for free-space optical communications. TOPTICA's sodium guide star lasers are used by most major astronomy facilities worldwide for compensation of atmospheric turbulences. They also find use in upcoming applications such as space-surveillance and mitigation, and free space optical communication from ground to space. www.toptica-projects.com



Frank Lison (CEO and Co-founder) graduated in 1994 from Leibniz University in Hannover and received a PhD in Physics from Bonn University. Frank started his career at Bayer AG and moved in 2002 to TOPTICA Photonics AG as VP of Research & Development. In 2009, he became CEO of TILL Photonics GmbH. When TILL Photonics was bought by FEI Inc. in 2011, he stayed as managing director of FEI Munich GmbH. He was responsible for the worldwide cell and tissue biology business at FEI until he left in the beginning of 2014. Thereafter, he has been working as an independent consultant in the Photonics Industry focusing mainly on start-ups. Since October 2016, he is CEO of TOPTICA Projects GmbH.

TRUMPF



TRUMPF is a high-tech company offering manufacturing solutions in the fields of machine tools and laser technology. The Company drives digital connectivity in the manufacturing through consulting, platform products and software. TRUMPF is a technology and market leader in highly versatile machine tools for sheet metal processing and in the field of industrial lasers. In 2022/23, the company employed some 18,400 people and generated sales of about 5.4 billion euros. With over 80 subsidiaries, the TRUMPF Group is represented in nearly every European country as well as in North

America, South America and Asia. The company has production facilities in Germany, France, the United Kingdom, Italy, Austria, Switzerland, Poland, the Czech Republic, the United States, Mexico and China. www.trumpf.com



Berthold Schmidt (CTO) studied physics with a diploma degree from University of Würzburg, Master degree from SUNY Albany, while receiving his PhD from the Technical University of Munich (TUM) in the field of tunable semiconductor laser diodes. Since 2013 he's part of the TRUMPF group, where he was active in various roles. In July 2023 he was appointed to the TRUMPF board acting as CTO. Berthold Schmidt is a member of the EPIC Board of Directors.



UltraFast Innovations (UFI®) develops, manufactures and merchandises custom-made optics and optical devices for ultra-short pulse laser applications. Founded in 2009, it is a spin-off from the Ludwig-Maximilians-Universität München (LMU) and the Max Planck Institute of Quantum Optics (MPQ). Our optical components, from standard to tailor-made, cover from the UV-VIS-IR range to the XUV/soft X-ray-range including mirrors, beam splitters, filters, or anti-reflection coatings. Our experience in optics and ultrafast technology allows us to provide you with state-of-the-art devices and entire setups for generation, characterization and manipulation of ultrafast light, as well as characterization and quality control of optical components. It was the key ingredient in achieving some of the shortest light pulses ever created, at a duration of 80 attoseconds. Now, we are making this experience available to our customers. UltraFast Innovations participated in several successful European (e.g. Eurostars, ZIM, BayTP) funding projects. www.ultrafast-innovations.com



Alexander Guggenmos (CEO) holds a PhD in physics from the Ludwig-Maximilians-University Munich (LMU) and is an expert in ultrafast science with over 10 years of experience in the field. After the PhD in Munich, he did a Postdoc in Berkeley and joined UltraFast Innovations afterwards, in January 2019. Main expertise are thin film coatings (e.g. XUV mirrors), pulse-compression, femtosecond/attosecond physics.



UNICAMP

The State University of Campinas (Universidade Estadual de Campinas), commonly called Unicamp, is a public research university in the state of São Paulo, Brazil. Established in 1962, Unicamp was designed from scratch as an integrated research center unlike other top Brazilian universities, usually created by the consolidation of previously existing schools and institutes. Its research focus reflects on almost half of its students being graduate students, the largest proportion across all large universities in Brazil, and also in the large number of graduate programs it offers: 153 compared to 70 undergraduate programs. It also offers several non-degree granting open-enrollment courses to around 8,000 students through its extension school. www.unicamp.br



Newton Frateschi (Full Professor) is Previous director of the Innovation Agency and Physics Institute - UNICAMP. PhD in EE from the University of Southern California and BS and MSc in Physics from UNICAMP. Unicamp is a leading University ranked among the top universities in Latin America. Currently, he leads the Integrated Photonic Labs at Unicamp which belongs to the National Photonics Effort (SISFOTON) of the Brazilian Ministry of Science Technology and Innovation. He is the author of several scientific papers and patents on photonics. With industry experience on lasers and modulators for TELECOM.



The University of Southampton's Optoelectronics Research **Centre** is a world leading research organisation with roots going back to the invention of the optical fibre in the 1960's. Many of the major developments in today's global technology were pioneered by our researchers including the optical fibres and amplifiers that power the internet and the fibre laser which is used for a variety of applications ranging from manufacturing to defence. Led by leading figures in photonics, our vibrant research community is a constant hive of activity with over 170 staff and students working on cutting-edge research to provide innovative solutions for real life problems in health care, manufacturing, communication, technology, defence, renewable energy and the environment.
www.southampton.ac.uk



David Neil Payne (Professor of Photonics) is a leading Professor at the University of Southampton and former Director of the Optoelectronics Research Centre. A world class pioneer of technology, his work has a great impact on telecommunications and laser technology over the last forty years. The vast transmission capacity of today's internet results directly from the erbium-doped fibre amplifier (EDFA) invented by David and his team in the 1980s. His pioneering work in fibre fabrication in the 70s resulted in almost all the special fibres in use today including fibre lasers which are currently undergoing rapid growth for application in manufacturing and defence. David has made numerous leading

contributions to many diverse fields of photonics and is widely acknowledged as an inventor of key components. With US funding, he led the team that broke the kilowatt barrier for fibre laser output to international acclaim and now holds many other fibre laser performance records. He has published over 650 Conference and Journal papers. As an entrepreneur David's activities have led to a cluster of 11 photonics spin out companies in and around Southampton - helping to boost the local economy. He founded SPI Lasers PLC, which has been purchased by the Trumpf Corporation of Germany for \$40M. He is an Emeritus Chairman of the Marconi Society and a foreign member of the Russian Academy of Sciences and Indian National Science Academy. David is a fellow of the Royal Society and the Royal Academy of Engineering. Moreover, he has been awarded the top American, European and Japanese prizes in photonics. Awards include the Marconi Prize in 2008 and the 2007 IEE Photonics Award the first to be awarded to a person outside the USA. In 2010, David received the AILU (Association of Laser Users) Award for his pioneering work with fibre lasers. In 2021, became the 8th winner of Berthold Leibinger Future Prize for pioneering research in the field of fibre optics and in 2022 became the winner of the VinFutures Grand Prize with Desurvire, Kahan, Cerf and Berners Lee for breakthrough research and technological innovations that positively improve the quality of human life.



Beamagine is a spin-off company from the Center for Sensors, Instruments and Systems Development (CD6) at UPC-BarcelonaTech. The company developments rely upon the knowledge accumulated over twenty years in LIDAR technology and optomechanical practice, generated at research level. Beamagine targets to put in the market specific lidar technologies that have been conceived, developed, and tested in various real world applications. Our mission is to develop LIDAR, TOF, electro-optical and single photon sensors, with a focus on imaging cameras for robotic sensing applications. www.beamagine.com



Santiago Royo (Director) is currently full professor at UPC and VP of Business Development of Beamagine S.L (2016, Barcelona), a company devoted to the development and commercialization of novel 3D electrooptic vision systems based on lidar imaging. He has been founder of three spin-off companies and holds 17 patents, 11 of them licensed to five different companies. Santiago Royo, PhD, is currently full professor at UPC and VP of Business Development of Beamagine S.L (2016, Barcelona), a company devoted to the development and commercialization of novel 3D electrooptic vision systems based on lidar imaging. He is co-founder of two more photonics-based spin-off companies: SnellOptics (2002, Terrassa, Spain), devoted to marketing quality plastic optical components; and ObsTech SpA (2012, Santiago, Chile) commercializing systems for internet-controlled telescopes. He holds 17 patents, 11 of them licensed to five different companies, and over 50 refereed publications. He has been Director of the Center for Sensor, Instruments and System Development (CD6), a research and innovation center in Optical Engineering in Greater Barcelona for the last 10 years, and has participated and led research projects involving different optical metrology techniques for the last 20 years. He is also member of the Board of Stakeholders of Photonics21, and secretary of the Spanish Platform for Photonics Fotónica21.



Applying Light to Life



USHIO Europe has built a worldwide reputation as a specialist in industrial light sources covering all wavelengths from VUV, UV, VIS to IR. Our products can be found in applications as diverse as quantum computers, solar simulation systems for space technology, printing machines and projectors. Whether it's simplifying medical procedures through advanced microscopy or disinfecting ballast water for cleaner oceans, we are always striving to make a contribution to improving life and nature. With more than fifty years of experience in a wide range of industries, we have a unique combination of experience and technical expertise. Nevertheless, we are flexible enough to develop products according to our customers' individual requirements. Our flexible production process allows us to offer customized solutions ranging from components to a light source to entire systems.

www.ushio.eu



Ardan Fuessmann (Sales Director) joined Ushio Europe in the beginning of 2017. In his role as Sales Director Photonics Solutions - EMEA, Ardan is responsible for the Sales and Business Development within the Photonics Solutions business unit at Ushio Europe. He studied communications engineering in Nuremberg, Valencia and Xi'an, followed by an MBA in Kaiserslautern, Germany. Ardan then joined USHIO with a wealth of knowledge, having accumulated over 15 years sales experience focusing on technically complex products.



VALO Innovations offers innovative fiber-based, ultrashort pulse laser systems with durations below 50 fs at a range of power levels. The simple, user-friendly, turnkey laser systems are controlled by "intelligent" electronics. Our systems can be used for various applications in biophotonics (e.g. multiphoton microscopy), micro- and nanomaterial processing, scientific applications and many more. With more than 12 years of experience in fiber lasers and amplifiers we create innovative solutions, tailored for our customers. www.valo-innovations.com



Oliver Prochnow (CEO & Co-Founder) studied physics at the Leibniz University of Hannover (Germany). He did his diploma thesis and PhD at the Laser Zentrum Hannover. Afterwards, he became Director of Research & Development at Venteon Laser Technologies for 7 years. In 2018, he founded VALO Innovations GmbH together with Alexander Pape. Up to now, he has more than 12 years of experience in the field of ultrafast fiber technologies.



Vision Ventures is the expert in corporate transactions in the field of vision tech, one of the most exciting and fastest-growing business areas in automation technology and the key technology of the 21st century. The interest in corporate transactions in this area is correspondingly sizeable and diverse. The basis of every successful transaction is a well-defined M&A strategy with a clearly specified success scenario. This demands an experienced industry expert in a dynamic market like ours. Vision Ventures puts you a decisive step ahead. What distinguishes us as an M&A boutique is our unique expertise in the field of vision. We know every facet of the vision markets. We combine solid experience and expertise in vision technologies with a network that has naturally evolved over many years, with strong contacts in Europe, North America, and Asia. www.vision-ventures.eu



Chris Yates (Partner) is a Partner at Vision Ventures and has over 20 years' experience in industry with a focus on early-stage technology in multiple start-up companies. Chris moved to Vision Ventures from the role of Director, Advanced Technology at Rockwell Automation. Chris was previously the CEO and founder of industrial 3D imaging specialist, Odos Imaging, which he led from inception until acquisition by Rockwell Automation in late 2017. Chris is also the current President of the European Machine Vision Association and has served on the EMVA board for many years.



VPIphotonics provides professional simulation software and design services for optical component manufacturers, system integrators, and network operators. VPIphotonics offers a suite of software environments supporting design, analysis, and optimization applications for integrated photonics, optoelectronics, fiber optics, transmission systems, and networks. VPIphotonics solutions are valued for their powerful, comprehensive simulation capabilities and high flexibility. They are applied in

research and development, product design, and marketing by hundreds of companies and for teaching and research at over 160 academic institutions worldwide. www.VPIphotonics.com



André Richter (General Manager) is an expert with 25+ years of experience in optical communications, photonics, and fiber optics. He received his M.Sc. degree from Georgia Tech, USA, and Ph.D. from TU Berlin, Germany. André co-authored 140+ publications and contributed to 15+ international R&D projects. Being with the VPIphotonics team since 1997, André has generated numerous novelties in industry research and education, commercialization, and market development. He held management positions for technical services, product management, research & development before being appointed General Manager in 2013.

v^{'''}research
Industrial Research and Development



V-Research, since its founding in 2004, has viewed research and innovation as increasingly important for the high-tech as well as for the manufacturing industry. V-Research aims for bringing the newest research results to the industry and translate it into commercial applications. The industrial use of this knowledge is carried out with the aim of achieving rapidly useable results for the best possible benefit and success of the customers. The Product portfolio includes: Photonics, fundamental research for lighting applications, construction of assemblies, plant configuration and commissioning, tribological optimization, and failure analysis. www.v-research.at



Heinz Seyringer (CEO) has a background in physics and mathematics with a focus on photonics. He was managing director of Photeon, which was specialized on integrated optical chips for telecom and sensor applications and moved after 9 years to the Zumtobel Group where he was responsible for the research collaborations of the group. He served in the board of directors of EPIC and is currently chairman of the Austrian photonics platform, Photonics Austria and in the extended executive board of Photonics21. Since September 2017, he is CEO of V-Research.



VTT Technical Research Centre of Finland is a non-profit government organisation operating under the auspices of the Finnish Ministry of Employment and Economy. In photonics, VTT's technology offering covers the whole value-chain from small chips to packaged modules and complete systems. VTT aims towards developing wafer-level, sheet-level and large-area packaging and integration technologies by combining mature processes with novel fabrication methods. VTT's strength is in multi-disciplinary integration. Examples of spearhead technologies include silicon photonics, hyperspectral imaging, printed solar cells, medical sensors and optical metrology. www.vtt.fi



Anu Kärkkäinen (Research Manager) has more than 30 years of experience in various research activities both in public and in private sector. Since 2020 she has worked as Research Manager at VTT MIEKS. MIEKS administers the maintenance and development of the International System of Units, or SI system, in Finland. Her work experience covers also sensor research and product management at Vaisala Ltd, MEMS research and MEMS research team leadership at VTT as well as mathematical modelling and EU project coordination at Finnish super computing center CSC. Her expertise covers sensors, measurement systems, modelling and research management. Mrs Kärkkäinen is well connected to

Finnish companies and has a good understanding of the industrial way of operating. Her contact network in academia is also extensive.



W3+ FAIR: Top ideas for key technologies. The pace of innovation is constantly increasing – this trend is reflected in the concept of the W3+ Fair, THE networking and new business event for enabling technologies. As a networking event for enabling technologies, the W3+ Fair brings together international expert knowledge and concentrated expertise: At high-tech locations in close proximity to key players and hidden champions. The big goal: to jointly launch new solutions and future technologies. www.w3-fair.com



Jörg Brück (Project Director) is a trained banker who worked for 12 years at Commerzbank Frankfurt. Before switching to the events industry in 2004, he was employed for 5 years as commercial manager of a medium-sized company. After that, he worked for altogether 5 years: first as director of a multifunctional arena and later as managing director of a trade fair and congress center. In 2010, he set up his own business, Backstage Consulting GmbH, and, among other things, has been working for Fleet Events as project director of W3 + FAIR since 2013.



WEINERT group is a leading provider of ultrapure Fused Silica, preforms, and rods as well as optical fibers, cables, assemblies, and special components. Our extensive knowledge and passion for photonics – that stems from over 20 years of experience in the development, design, and production of fiber optic products – allows us to use this enabling technology to best provide effective and innovative problem-solving solutions for our customers. Moreover, by handling the entire value creation process in-house, from the production of preforms through to custom-manufactured optical components WEINERT has the capability to deliver on every aspect of a project from conception to final product – ensuring efficiency and generating the highest possible value add for our customers. www.weinert-industries.com



Andreas Weinert (CEO & CTO) holds technical diploma in Physical Sciences from the technical University of Dresden. Andreas began his career in 1991 as a sales engineer, specialising in plastic fiber optics, at Siemens. Then, go on to work as an application engineer at Corning from 2000. In 2001, he founded Fiber Optic Systems – which specialised in the development, manufacture and sale of fiber optic cables and components thereof. This company was acquired by the LEONI group in 2005. As of 2022, Andreas was able to reacquire the company he had originally founded from the LEONI group - along with additional subsidiaries – to form the WEINERT group as we know it today.

WISTA Management, a state-run company in Berlin, is an experienced business promoter, site developer, and service provider. As an initiator and economic catalyst, WISTA strengthens the economic foundation of the German capital on the interface of research and industry. WISTA builds, operates, and lets out technology centres in addition to selling leasehold properties. Above all, it supports new businesses, brings together research and industry, and fosters national and international cooperation. WISTA is a pioneer of economic development. www.wista.de



Bernd Ludwig (Manager Lab Buildings Adlershof) is heading the team of Lab renters in Adlershof holds his PhD in medical virology, worked as campaigner for Friends of the Earth Germany, as a consultant and networker for Berlin's biotech sector, before he helped further building up the science and technology park Berlin Adlershof, where he is now heading the team, which runs all laboratory buildings here in four tech fields, all together some 60,000 sqm, for 167 custom companies, including the big Centre for Photonics and Optics, and the Centre for Microsystems companies.



Rawad Chammas (Manager Tech Transfer) is the Manager for Knowledge & Technology Transfer at WISTA, specializing in developing approaches to foster transdisciplinary collaborations for science-based innovations. With a background in engineering and expertise in startup support, including co-founding a successful no-tech company, he adopts a practice-oriented scientific approach to facilitate informal knowledge transfer. Rawad initiates and supports activities with a dedicated focus on leveraging the individuality of diverse innovators and harnessing the potential of their interaction. In addition to managing the Campus Club Adlershof, Rawad leads the activities of the "Grand Challenges" project, currently dedicated to exploring the application of OPM technologies and sciences, specifically within STP Adlershof, to address global challenges and promote circular economy practices. Rawad is also actively involved in key clusters such as INAM (Innovation Network for Advanced Materials), IASP (International Association of Science and Technology Parks), and newly EPIC.

WILEY

Wiley, it's the knowledge age – and it is Wiley's customers who lead the world's knowledge economy. Published by Wiley's Research Communications – Corporate Products and Services division in Germany, the PhotonicsViews magazine – successor of Optik & Photonik and Laser Technik Journal in its 20th volume – reports on optical systems and components, their working principles, how they are manufactured and on their applications, especially industrial laser technology. This includes the whole spectrum – from light sources, optical elements and methods to sensors, imaging and machine vision, from terahertz to ultraviolet. www.photonicsviews.com



Oliver Dreissigacker (Editor-in-Chief) has 25 years of experience in scientific publishing and communication, e.g. from Springer, Spektrum der Wissenschaft, IMM Mainz (now Fraunhofer) and Max Planck Institute for Gravitational Physics. He joined Wiley-VCH in 2010 and was promoted Editor-in-Chief for the B2B Germany Physics / Photonics section in 2012. He had studied physics in Heidelberg and did his doctorate in astrophysics at the State Observatory Königstuhl.



Workshop of Photonics (WOP) is a privately-owned company active in femtosecond laser micromachining. The company develops solutions and sells microfabrication workstations, provides contract manufacturing as well as software development services. Having well equipped industrial application laboratory, WOP can accommodate even the most challenging tasks from clients. Since 2003, WOP has been working on projects connecting scientific inventions with the market needs. Company's growth is fueled by a culture of open innovation and partnership with the local laser sector companies and worldwide partners. Clients range from research centers and laboratories to industrial companies active in the fields of semiconductors, medical, automotive and telecommunication. www.wophotonics.com



Gintas Šlekys (CEO) graduated and gained a PhD degree in Physics from Vilnius University, Lithuania. After 6 years of research contracts in Physikalische Technische Bundesanstalt, Germany and 3 years in Lille University and France Telecom, he founded Altechna and later on Workshop of Photonics (Altechna R&D) and devoted his time to the business development of both companies, currently fostering businesses related to ultrashort laser applications for industrial customers.



WZWOPTICAG has designed and manufactured ultra-high-end precision and high-quality optic solutions for a global customer base for around 60 years. Specialized in 'build to print' manufacturing, from start to finish, WZWOPTICAG has the unique capability to offer customers an integrated 'one-stop' source for all their optical requirements including IBS coating in-house. 'Super-polished' or laser quality polished substrates manufactured by WZWOPTICAG are needed for low-loss laser mirrors, where thermal stability, surface scatter and high laser damage thresholds are key requirements. Magnetorheological Finishing (MRF) allows high-precision surface ($\lambda/50$) and transmitted wavefront corrections as for windows, phase plates and entire systems. Furthermore, WZWOPTICAG offers a high level of specialized expertise to all phases of assembly fabrication, from opto-mechanical concept and design, through component construction, IBS coating, final assembly and testing. www.wzw.ch



Claudio Meli (CEO & CFO) completed his studies in 1995 specializing in Finance. He then spent the next 13 years as a financial consultant performing Company audits and providing financial advice and guidance. Wanting to get closer to industry, in 2007 Claudio Meli took up a CFO position in the private sector. After gaining numerous years of experience, he joined WZWOPTICAG in 2011 as CFO. The Board of Directors developed a new business strategy for WZWOPTICAG and it was decided to appoint Claudio Meli as the CEO in 2012.



X-Celeprint is developing and licensing patented Micro-Transfer-Printing (μ TP) technology. μ TP is a cost-effective and scalable manufacturing platform for integrating microscale devices such as lasers, μ LEDs, Photodiodes, SOAs, μ ICs, micro-Optics onto non-native substrates. X-Celeprint works globally with partners to adapt its μ TP technology for their specific applications. X-Celeprint is headquartered in Cork, Ireland, with facilities within the Tyndall National Institute. www.x-celeprint.com



Alexandre Chikhaoui (Senior Director Business Development) is working at X-Celeprint since 2015 driving overall business development to enable the adoption of Micro-Transfer-Printing (MTP) into fast growing and booming applications like Servers, HPC, AI, Quantum Computing, Bio-Sensors and many more where high speed integration of micro components with high accuracy is required. With over 20 years' experience in the semiconductor industry, Alexandre built numerous partnerships with display and μ LED makers, mobile phone companies. Developed, and marketed IC drivers for displays (Electrowetting, E ink, OLED and μ LED) and power management for mobile phones. He holds a Master/Engineering degree in Microelectronics Analog Design since 1998.



Xenics part of Exosens group, is a leading European manufacturer and designer. Since 2000, Xenics has been delivering state-of-the-art solutions and designs of infrared imagers, cores and cameras to improve business results. The complete portfolio of products for the VisNIR, SWIR and LWIR ranges are developed to support machine vision, scientific & advanced research, transportation, process monitoring, safety & security and medical applications. Xenics ensures its commitment of doing good to the world by developing solutions for enhancing quality of life and sustainability. With a worldwide sales and service network, a pioneer of infrared technology and with a proven track record spanning the last twenty years, Xenics also exists to support its customers with simplified export procedures. www.xenics.com



Claire Valentin (Chief Strategy Officer) is a double graduate engineer in optics and MBA. Claire spent ten years in French MoD to fund and manage R&D projects in electronic and optics. She followed her experience in telecoms business as product line marketing manager in Alcatel Optronics, then in Xray medical imaging and ophthalmic lenses. Skilled in Business to Business marketing in high value-added products, she was VP Marketing in Sofradir (now Lynred), leader in infrared detectors, during 5 years. She joined Photonis as Chief Strategy Officer, end of 2021.



XRnanotech is the leading Swiss manufacturer of highest-quality nanostructured optical elements. Our mission is to develop and fabricate the most innovative nano-optics that perform best in terms of resolution, efficiency, stability and design. We offer optical components such as precise and high

aspect-ratio Fresnel zone plates, nanostructured test targets for microscopy as well as 2D and 3D computed tomography (CT), customized diffractive optical elements (DOEs), flat optics and silicon nitride (SiN) membranes. Incorporated in 2020 as a Spin-Off company from the X-ray optics and applications group at the Paul Scherrer Institut, we have a long-standing experience in designing and nanostructuring optical components. In order to meet our customers' needs, we offer a variety of tailored solutions ranging from one-off items to serial production and fab services.

www.xrnanotech.com



Florian Döring (CEO & Founder) is CEO and founder of an award winning Swiss deep-tech company that develops and fabricates innovative diffractive optical elements. He obtained a PhD from the University in Göttingen and went for a PostDoc to the Paul Scherrer Institut in Switzerland. Following his entrepreneurial mindset, he continued to study for an MBA and started the company XRnanotech. In his professional past, he developed and fabricated high-quality X-ray optics with record-breaking resolution. Now, he is determined to bring such optics to market with a dedicated team of scientists, engineers and businesspersons in the startup company XRnanotech.



Yole Group is an international company recognized for its expertise in the analysis of markets, technological developments, and supply chains, as well as the strategies of leading players in the semiconductor, photonics, and electronics sectors. With a relationship of trust established over the years, Yole Group maintains regular interactions with these leading companies, aiming to share and exchange its vision of markets and technologies. With a team of over 180 people worldwide, Yole Group publishes market, technology, performance, reverse engineering, and cost analyses from More than Moore to More Moore technologies and markets. The company also offers strategic marketing consulting and technological analysis services.

Yole Group operates through two distinct brands:

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- Yole SystemPlus, which concentrates on analyzing technologies, technical decisions of industry leaders, and examining manufacturing costs of systems and components.

With a team combining market, technical, and financial expertise, Yole Group also develops consulting activities related to mergers, acquisitions, and business valuation. Driven by committed and curious individuals, Yole Group benefits from this sharp expertise at the intersection of markets and technologies in the semiconductor industry, enabling it to offer a comprehensive and unique vision of the sector. www.yolegroup.com



Jean-Christophe Eloy (CEO & President) is Yole Group's CEO and President. Created in 1998, the market research & strategy consulting company has grown to become a group of companies providing marketing, technology and strategy consulting, media in addition to corporate finance services. His mission is to oversee the strategic direction of Yole Group and the related brands including Yole Intelligence and Yole SystemPlus. All year long, Jean-Christophe builds deep relationships with leading semiconductor companies, discussing and sharing information across his global network. His aim is to get a comprehensive understanding of their strengths and guide their success. Jean-Christophe is a graduate from EMLyon Business School (Lyon, France) and has a Ph.D. in Semiconductor Engineering from the National Polytechnic Institute of Grenoble (France).



Zolix Instruments is a leading Chinese manufacturer of precision optical instruments and products based on precision mechanical motion and control techniques. It is the most priority for Zolix to provide relative instruments and system solutions to customers in opto-electronical research fields and industries. It is Zolix's main product line of which consists motorized/manual stages, optical mounts/holders, optical tables, spectrographs, monochromators, spectral imaging, Raman systems, fluorescence systems and solar energy-related measurement systems. Zolix serves its customers who come from academic facilities and industrial companies. www.zolix.com.cn



Edward Zhang (General Manager) has strong background in Photonics, also has more than 22 years' experience in business development, key account management, product development & management and marketing. He has broad experience in Photonics market and very good at communicating and cooperating with various domestic/international customers and partners.



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