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EPIC Annual General Meeting

29-30 March 2023, Helsinki, Finland

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LASER World of **PHOTONICS**



Monday, 27 March 2023

- 09:00** Departure by bus from Scandic Park Helsinki hotel (address: Mannerheimintie 46)
- 10:00 – 19:30** Visiting EPIC member companies in Tampere
- 19:30 – 22:30** Dinner in Helsinki at Restaurant Töölönranta (address: Helsinginkatu 56)

Tuesday, 28 March 2023

- 08:30** Departure by bus from Scandic Park Helsinki hotel
- 08:00 – 16:15** Visiting EPIC member companies in Helsinki
- 18:00 – 19:00** Welcoming Reception at the City Hall of Helsinki (address: Pohjoisesplanadi 11-13)
- 19:30 – 22:30** Networking Dinner at the Scandic Park Helsinki hotel

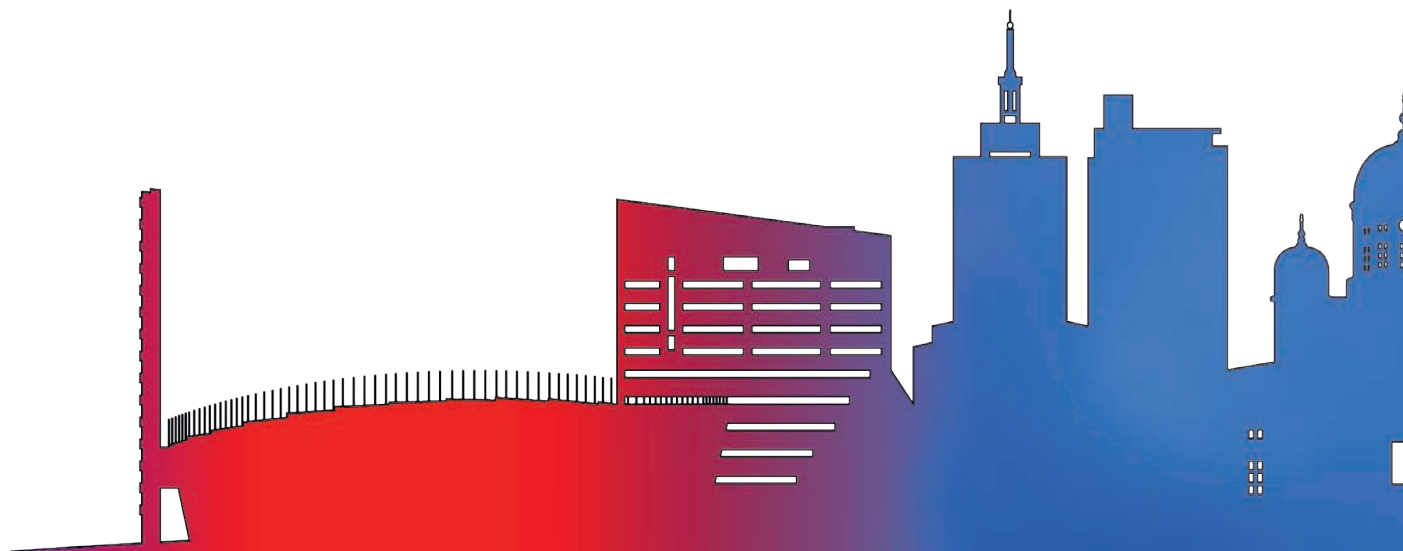
Wednesday, 29 March 2023

- 07:30 – 09:00** Run/walk and breakfast
- 09:00 – 09:45** Registration, networking coffee break & expo at Scandic Park Helsinki hotel
- 09:45 – 11:30** Finnish EPIC members presentations
 - 09:45** Intro by the EPIC Technology Managers
 - 09:50** Esa Karkkainen, Corporate Sales Manager at Benvenic Oplatek
 - 09:55** Vicente Calvo, CEO and Co-Founder at Comptek Solutions
 - 10:00** Mikko A. Juntunen, CEO at EIFys
 - 10:05** Tapani Ryhanen, CTO & Co-Founder at Emberion
 - 10:10** Jukka Perento, VP Operations and Sales at Inkron
 - 10:15** Seppo Orsila, CEO at Modulight
 - 10:20** Juha Purmonen, Executive Director at Photonics Finland
 - 10:25** Thomas Gädda, CTO at Pibond
 - 10:30** Eero Koivusalo, COO at Reflekron
 - 10:35** Antti Peltonen, Marketing & Business Development Manager at SCHOTT Primoceler
 - 10:40** Jere Hartikainen, CTO at SPECIM
 - 10:45** Mircea Guina, Professor of Optoelectronics & Entrepreneur at Tampere University
 - 10:50** Jyrki Saarinen, Professor at University of Eastern Finland
 - 10:55** Jussi-Pekka Penttinen, CEO, CTO and Co-Founder at Vexlum
 - 11:00** Jukka Hast, Principal Scientist at VTT
- 11:10 – 11:30** Q&A & discussion

Schedule

Wednesday, 29 March 2023

- 11:30 – 13:00** Registration, networking lunch & expo
- 13:00 – 13:45** Opening of the Annual General Meeting 2023
13:00 Carlos Lee, Director General, EPIC – European Photonics Industry Consortium
13:15 Hanna Hyttinen, Senior Advisor at Business Finland
13:30 Juha Purmonen, Executive Director at Photonics Finland
- 13:45 – 15:15** Conference on EPIC Update
13:45 EPIC Board of Directors Update
Benno Oderkerk, President of EPIC – European Photonics Industry Consortium
Basil Garabet, CEO at NKT Photonics
Shahida Imani, CEO at Chromacity
14:20 Annual Activity Report 2022 presented by the Marketing Team
14:40 Upcoming activities presented by the Technology Team
15:00 Voting approval of EPIC financial accounts 2022
- 15:15 – 16:00** Networking coffee break & expo
- 16:00 – 18:00** Conference on Market, Growth, Investment
16:00 Joel Thome, CEO at Piséo
16:30 Thomas Renner, Member of the Executive Board (CSO) at TOPTICA Photonics
16:50 Reinhard Völkel, CEO at SUSS MicroOptics
17:10 Sven Kiontke, CEO at asphericon
17:30 Rene Kromhof, Investor, Advisor & Business Executive
- 18:00** EPIC CEO Award 2023
18:15 EPIC Lifetime Achievement Award 2023
- 18:30** Gather in the lobby to walk to the dinner venue
- 19:00 – 23:00** Gala Dinner @ Little Finlandia (address: Karamzininranta 4)

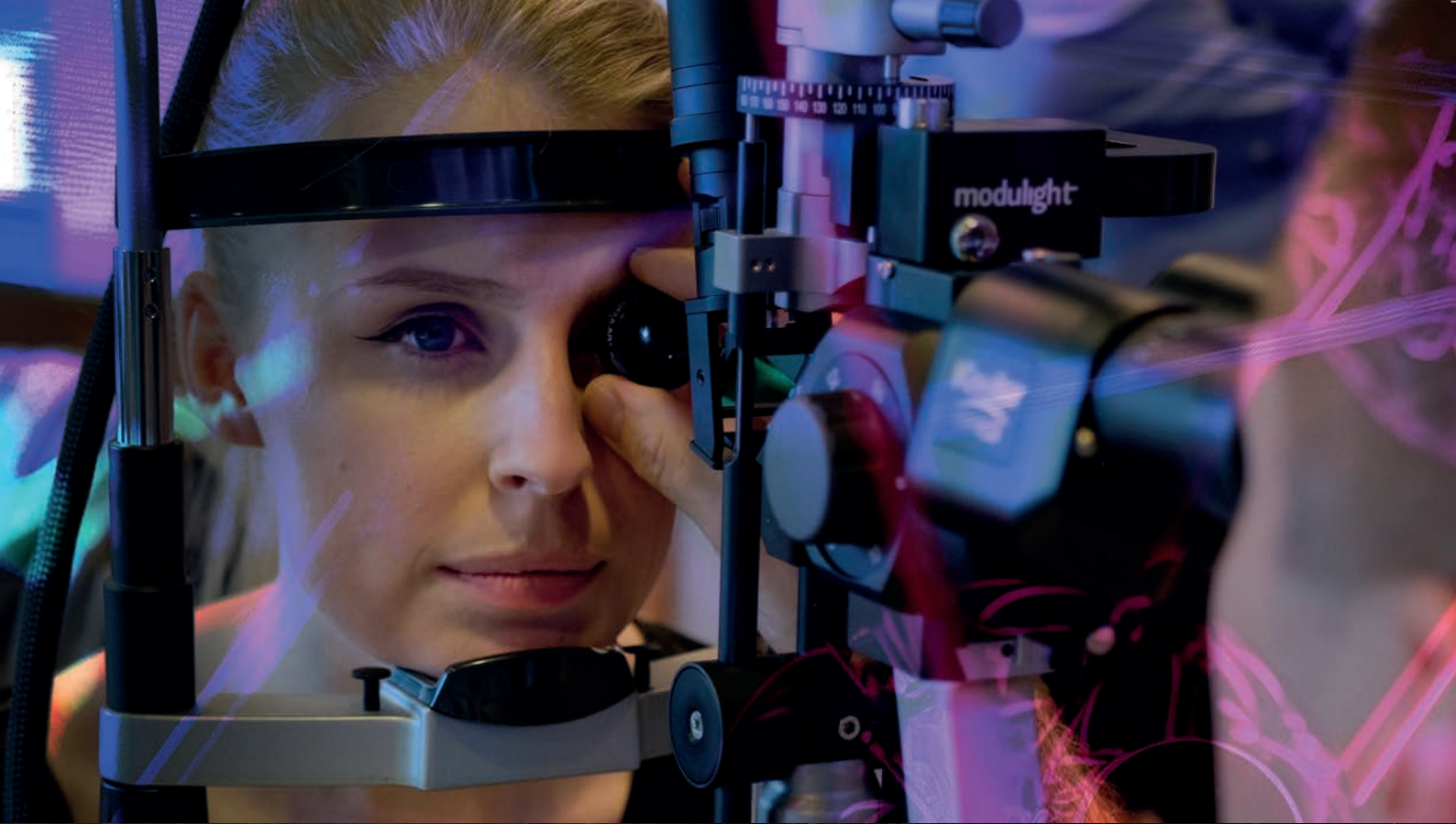


Schedule

Thursday, 30 March 2023

- 08:00 – 08:30** Networking coffee & expo
- 08:30 – 10:00** Conference on Entrepreneurship, Investment, Exit Strategy
- 08:30** Jyrki Saarinen, Professor at University of Eastern Finland
 - 08:50** Johannes Koeth, CEO at nanoplus
 - 09:10** Tapio Kallonen, CEO at SPECIM
 - 09:30** Seppo Orsila, CEO at Modulight
- 10:00 – 10:45** Networking coffee & expo
- 10:45 – 13:00** Conference on Globalisation, Supply Chain, Public Support, Europe
- 10:45** Jan Goetz, CEO at IQM
 - 11:05** Mircea Guina, Head of the Optoelectronics Research Centre at Tampere University
 - 11:40** Tjin Swee Chuan, Chairman & Co-Director at LUX Photonics Consortium & The Photonics Institute, Nanyang Technological University
 - 12:00** Timothy Paul Kennedy, Vice President of Global Sales at Edmund Optics
 - 12:20** Markus Wilkens, Photonics21
 - 12:40** EPIC Survey & Discussion on Strategy
- 13:00 – 15:00** Networking lunch
- 15:00** Official end of the meeting and optional bus transfer from Scandic Park Helsinki hotel to Helsinki airport
- From 15:30** Informal agenda: Sauna & Ice bear dipping, dinner





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Participants



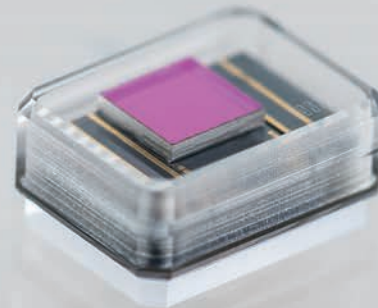
Name		Job Title	Company	Country
Adam	Piotrowski	CEO	VIGO Photonics	Poland
Adrian	Mahlkow	CEO	OpTecBB	Germany
Albert	Borreman	Managing Director	Demcon Focal	The Netherlands
Aldas	Juronis	CEO	EKSPLA	Lithuania
Alexander	Kostenko	CEO	Photosynthetic	The Netherlands
Alexander	Schavkan	Business Development Manager	Switzerland Innovation Park Innovaare	Switzerland
Alexander	Guggenmos	CEO	Ultrafast Innovations	Germany
Alexey Gayoso	de los Santos	CEO	Maiman Electronics	Serbia
Amudhavel	Jayavel	Senior Researcher	Center of Photonics & Computational Imaging	Estonia
Ana Belen	Gonzalez	Director of Strategic Partnerships	iPRONICS	Spain
André	Nauen	Lab Director	Huawei	Germany
Andrea	Dunbar	Group Leader	CSEM	Switzerland
Andreas	Umbach	CEO	AUCCEPT Consulting	Germany
Andreas	Thoss	Managing Director	THOSS Media	Germany
Andreas	Weinert	Chairman of the Board	WEINERT Industries	Germany
Andres	Cifuentes	CEO	ASE Optics Europe	Spain
Andreu	Llobera	Head of Photonic Systems	Silicon Austria labs	Austria
Andrew	Blain	Managing Director	Photonic Solutions	United Kingdom
Andris	Anspoks	Director	University of Latvia	Latvia
Anke	Odouli	Exhibition Director	Messe München	Germany
Anna	Martensson	Marketing Manager	EPIC	Sweden
Anna	Trachtova	Marketing Manager	EPIC	Czech Republic
Anna	Dambrauskiene	CEO	EssentOptics	Lithuania
Antanas	Laurutis	CEO	Altechna	Lithuania
Antonio	Castelo	Photonics Technologies Manager	EPIC	Spain
Antti	Peltonen	Marketing and Business Development Manager	SCHOTT Primoceler	Finland
Anu	Kärkkäinen	Research Manager	VTT MIKES	Finland
Ardan	Fuessmann	Sales Director	Ushio	Germany
Arnolds	Ubelis	Science Manager	University of Latvia	Latvia
Bárbara	Buades	CEO	MEETOPTICS	Spain
Basil	Garabet	President and CEO	NKT Photonics	Denmark
Beate	Sauter	CEO	Lumics	Germany
Benno	Oderkerk	CEO	Betada Investments	The Netherlands
Benoît	d'Humières	CEO	TEMATYS	France
Berthold	Schmidt	CEO	TRUMPF Photonic Components	Germany
Birgit	Päivänranta	Director Optical Engineering	Microsoft	Finland
Bo	Pedersen	CEO	Bifrost Communications	Denmark
Brian	Miller	Business Development Manager	Riber	France

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Upcoming EPIC activities

EPIC Members Delegation to Japan
17-21 April 2023. Yokohama, Japan

EPIC Meeting on Fiber Sensors at HBK FiberSensing
19-20 April 2023. Porto, Portugal

EPIC Members Delegation to Canada
12-15 June 2023. Quebec, Canada

Activities at Laser World of Photonics

EPIC 20th Anniversary Celebration
26 June 2023. Munich Germany

EPIC Meeting on Micro-Optics
27 June 2023. Munich, Germany

EPIC Meeting on Ultrafast Laser Processing
28 June 2023. Munich Germany

EPIC CEO Exhibitor Breakfast
29 June 2023. Munich Germany

EPIC Technology Workshop on PIC post-processing & packaging
29 June 2023. Munich Germany

EPIC Members Delegation to Korea
3-7 July 2023. Seoul, Korea

EPIC Members Delegation to Taiwan
21-26 August 2023. Taipei, Taiwan

EPIC Meeting on Photonics for Space: Opening New Horizons at Exail
21-22 September 2023. Paris, France

EPIC Members Delegation to China
4-8 September 2023. Shenzhen, China

EPIC Technology Meeting on Photonics for Bio & Life Science Applications at PARK INNOVAARE
26-27 September 2023. Baden, Switzerland

EPIC Technology Meeting on Industrial Quantum Photonics Technology at TOPTICA
11-12 October 2023. Munich, Germany

EPIC Meeting on Laser Applications along Battery Manufacturing Process at ARENA2036
24-25 October 2023. Stuttgart, Germany

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Participants



Name		Job Title	Company	Country
Cara	Gau	Business Development	Leverage Technology	The Netherlands
Carlos	Lee	Director General	EPIC	Belgium
Choi	Pheng Soo	Programme Director	LUX Photonics Consortium	Singapore
Chris	Yates	Partner	Vision Ventures	United Kingdom
Christiaan	van der Sluijs	Director	Freeptyc	The Netherlands
Christian	Raith	Managing Director	IMM Photonics	Germany
Claire	Valentin	Chief Strategy Officer	Photonis	France
Claudio	Meli	CEO / CFO	WZW Optic	Switzerland
Dainius	Tumosa	CEO	EKSMA OPTICS	Lithuania
Daniel	Petters	CEO	Cycle	Germany
David	Gilbert	Technology Manager	Manufacturing Technology Center	United Kingdom
David	Gillett	CEO	Laser 2000 (UK)	United Kingdom
Dorota	Pawlak	President of the Board	Ensemble3	Poland
Eero	Koivusalo	COO	RefleKron	Finland
Eero	Koivumäki	Sales Engineer	Vexlum	Finland
Elad	Volfin	CRO	Monocrom	Spain
Elina	Koistinen	Executive Director	European Optical Society	Finland
Elisenda	Lara	Marketing Manager	EPIC	Spain
Eric	Mottay	CEO	Amplitude	France
Erik	Böttcher	CEO	NYFORS	Sweden
Esa	Karkkainen@bevenicgroup	Corporate Sales Manager	Bevenic Group	Finland
Eugen	Bärwald	Area Sales Manager Europe	MPS Micro Precision Systems	Switzerland
Ewit	Roos	CEO	PhotonDelta	The Netherlands
Florian	Blobner	Chief Product Officer	Laser Components / Photona	Germany
Florian	Döring	CEO	XRnanotech	Switzerland
Frank	Lerch	Director Business Development & Strategy	EPIGAP OSA Photonics	Germany
Gauthier	Briere	Product Marketing Manager	Applied Materials	The Netherlands
Gediminas	Raciukaitis	Head of Department	FTMC - Center for Physical Sciences & Technology	Lithuania
Gintas	Slekys	CEO	Workshop of Photonics	Lithuania
Glenn	George	CEO	Bay Photonics	United Kingdom
Guillaume	Huss	CEO	LEUKOS	France
Guy	Ear	CEO	OPTOSIGMA	France
Hanna	Hyttinen	Senior Advisor	Invest in Finland / Business Finland	Finland
Heikki	Timonen	Director	GEHT International	China
Henning	Schröder	Group Leader	Fraunhofer IZM	Germany
Henrik	Skov Andersen	CEO	Ibsen Photonics	Denmark
Henrik	Madsen	CEO	SPIO Systems	Denmark
Håkan	Karlsson	CEO	Cobolt	Sweden
Ingolf	Cedra	Managing Director	HÜBNER	Germany

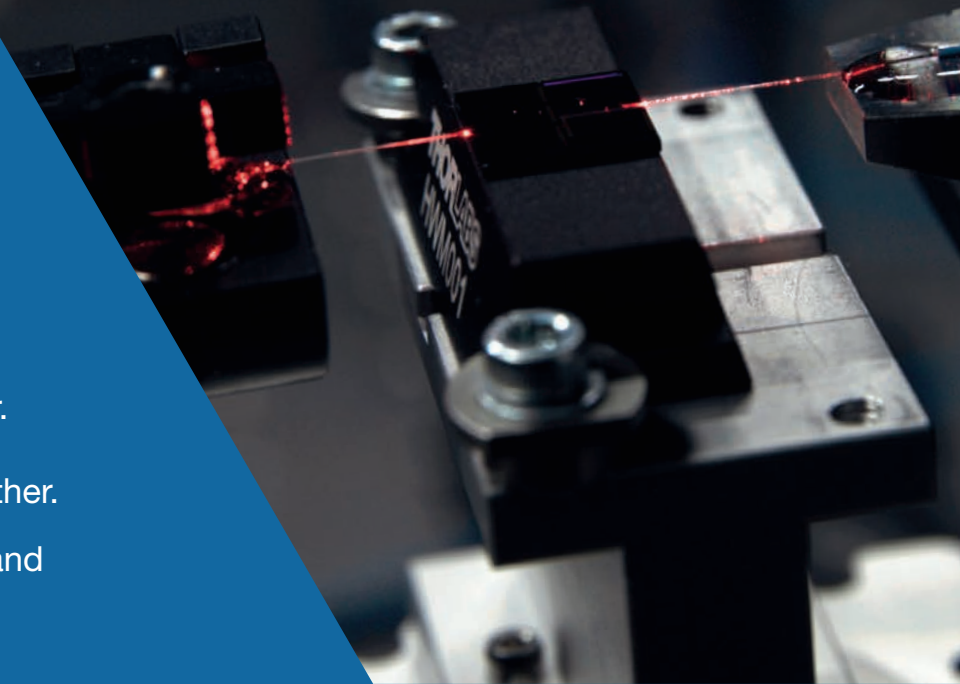
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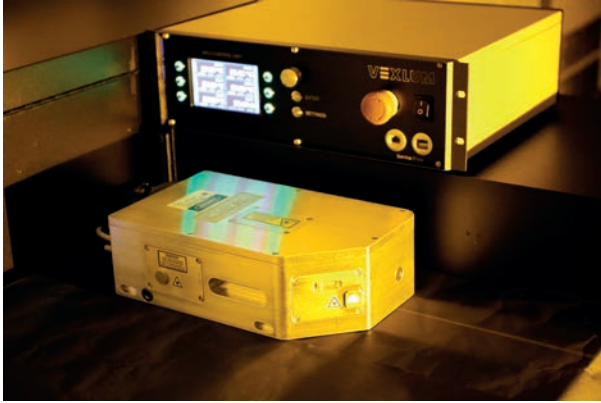
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Participants



Name		Job Title	Company	Country
Ivan	Nikitski	Photonics Technologies Manager	EPIC	France
James	Watkins	Professor / Director	University of Massachusetts	USA
Jan	Meise	CEO	AMS Technologies	Germany
Jan	Kischkat	CEO	Quantune Technologies	Germany
Janne	Kari	Head of Industry	Invest in Finland / Business Finland	Finland
Jean-François	Morizur	CEO	CAILABS	France
Jean-François	Boulangier	R&D Manager	Unity-SC	France
Jere	Hartikainen	CTO	Specim	Finland
Jeremy	Picot-Clemente	Photonics Technologies Manager	EPIC	France
Jérôme	Michon	CEO	InSpek	France
Joel	Thomé	CEO	PISEO/YOLE GROUP	France
Johannes	Koeth	CEO	nanoplus	Germany
Jonas	Luermann	Co-Founder, Head of Engineering & Managing Director	Bioherent	Spain
Jorma	Palmén	Head of Technology	PiBond	Finland
Josef	Meiler	Head of Sales Europe	EV Group	Austria
Juha	Rantala	Founder	Inkron	Finland
Jukka	Hast	Principal Scientist	VTT	Finland
Juozas	Zabolis	Business Development Manager	Zabolis Partners	Lithuania
Jussi-Pekka	Penttinen	CEO, CTO & Co-Founder	Vexlum	Finland
Jyri	Hämäläinen	Co-Founder	Emberion	Finland
Jyrki	Huttanen	Director of Business Development	Bevenic Group	Finland
Jyrki	Rosenberg	CEO	Emberion	Finland
Jyrki	Saarinen	Professor	University of Eastern Finland	Finland
Jörg	Hermsdorf	Head of Materials and Processes Dep.	Laser Zentrum Hannover	Germany
Kamil	Pierscinski	Research Group Leader	Łukasiewicz - Institute of Microelectronics & Photonics	Poland
Kestutis	Jasiunas	Chairman of the Board	EKSPLA	Lithuania
Kim	Hansen	VP Strategic Marketing	NKT Photonics	Denmark
Klaus	Engenhardt	GM Europe	Quantifi Photonics	Germany
Kirill	Kanbekov	Associate	Renevo Capital Limited	United Kingdom
Kristina	Ananičienė	Executive Director	Lithuanian Laser Association	Lithuania
Laimonas	Gabrialavičius	Head of Sales	QS Lasers	Lithuania
Lars	Rymell	CEO	Eclipse Optics	Sweden
Leendert-Jan	Nijstad	Managing Director	PhotonFirst	The Netherlands
Leonas	Paukštys	COO	Optonas	Lithuania
Maik	Frede	CEO	neoLASE	Germany
Marco	Mayer	Strategic Business Development	Hamamatsu Photonics	Switzerland
Marek	Kotelnicki	Managing Partner	VIGO Ventures	Poland
Marius	Šemeta	CEO	3photon	Lithuania
Mark	Elliot	Head of Content Europa Science	Electro Optics	Germany
Mark	Marshall	Vice President	Hitachi High-Tech	United Kingdom

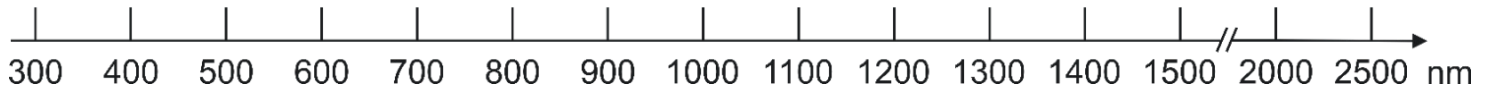


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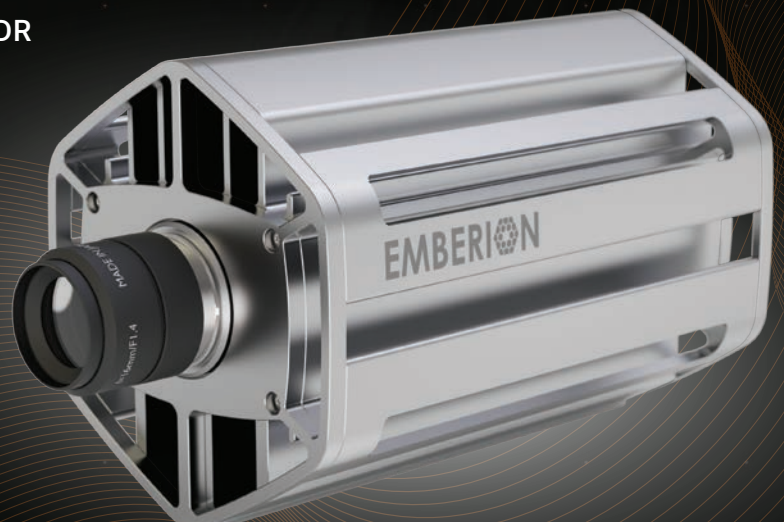
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Participants



Name		Job Title	Company	Country
Mark	Kuijpers	Sales & Marketing Director	Lobre	Italy
Markus	Ojutkangas	General Manager	BKtel photonics	France
Markus	Riedi	CEO	Opto	Germany
Markus	Kogel-Hollacher	Head of Dept. R&D Projects	Precitec Optronik	Germany
Markus	Wilkens	Coordinator EU CSA	VDI Technologiezentrum	Germany
Martina	Rehakova	Business Development Manager	Hilase Centre	Czech Republic
Martynas	Barkauskas	CEO	Light Conversion	Lithuania
Mathieu	Semenou	CCO & Partner	Femto Easy	France
Mats	Hede	Managing Director	Hamamatsu Photonics Norden	Sweden
Matthias	Imboden	CEO	4K-MEMS	Switzerland
Max	Skoglund	Managing Director	Hamamatsu Photonics Europe	Germany
Meysam	Bahmanian	PhD Candidate	University of Paderborn	Germany
Michal	Nejbauer	CEO	Fluence	Poland
Michal	Nikodem	Professor	Wroclaw University of Science and Technology	Poland
Michel	Pastoor	Sales Manager	NTS Optel	The Netherlands
Mikko	Juntunen	CEO	Elfys	Finland
Mircea	Guina	Professor of Optoelectronics & Entrepreneur	Tampere University	Finland
Mohand	Achouche	Strategy Advisor	III-V Lab	France
Mohssen	Moridi	Head of Research Division Microsystems	Silicon Austria Labs	Austria
Natascha	Orban	Events Manager	EPIC	Germany
Neringa	Noreikiene	Events Manager	EPIC	Lithuania
Nick	Martin	Managing Director	Advanced Fibreoptic Engineering	United Kingdom
Nikolaus	Hahne	CEO	Bloombeans	Germany
Oliver	Dreissigacker	Editor in Chief	Photonics Views	Germany
Patrick	Runge	Head of Modulators & Detectors Group	Fraunhofer HHI	Germany
Paul	Hartmann	Director Insitute Materials	JOANNEUM RESEARCH	Austria
Paulius	Naujalis	Operations Manager	VLC Photonics	Spain
Per	Karlsson	CEO	NorthLab Photonics	Sweden
Petteri	Uusimaa	CTO	Modulight	Finland
Philippe	Bolle	CEO	Boltic	Belgium
Ravikiran	Saripalli	Senior Researcher	Technology Innovation Institute	India
Reinhard	Voelkel	CEO	SUSS MicroOptics	Switzerland
Remigijus	Sliupas	Co-Founder and CEO	OPTOMAN	Lithuania
Rene	Kromhof	Venture Partner	Voima ventures	Finland
Richard	Furey	CEO	Yelo	United Kingdom
Rob	Voorkamp	CEO	SCIL Nanoimprint Solutions	The Netherlands
Robert	van Tankeren	CEO	InPhocal	The Netherlands
Robin	Hassell	Co-Founder	Acqiris	Switzerland
Rolando	Ferrini	BD Photonics	FEMTOprint	Switzerland
Ronald	Holzwarth	Managing Director	Menlo Systems	Germany

Participants

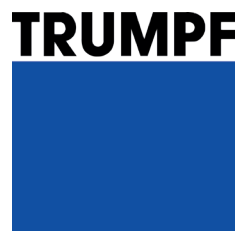


Name		Job Title	Company	Country
Roy	McBride	Managing Director	PowerPhotonic	United Kingdom
Ruth	Houbertz	Managing Director	ThinkMade Engineering & Consulting	Germany
Rüdiger	Paschotta	Managing Director	RP Photonics	Switzerland
Sampsa	Kuusiluoma	Managing Director	Medlight SA	Switzerland
Samuel	Bucourt	CEO	Imagine Optic	France
Selina	Casutt	Managing Director	Swissmem Photonics	Switzerland
Seppo	Orsila	Founder & CEO	Modulight	Finland
Sergei	Tsarev	CEO	Astrum LT	Lithuania
Sergi	Ferrando	PhotonCAT Manager	ICFO	Spain
Shahida	Imani	CEO	Chromacity	United Kingdom
Stefan	Steiner	Principal Scientist	LightTrans	Germany
Stefan	Weber	CEO & Co-Founder	Phaseform	Germany
Stephan	Prinz	Product Manager	DELO	Germany
Sven	Kiontke	CEO	asphericon	Germany
Sven	Rueger	CEO	Innolume	Germany
Tadas	Lipinskas	CEO	Optogama	Lithuania
Tapani	Ryhänen	CTO & Co-Founder	Emberion	Finland
Tapio	Kallonen	CEO	Specim	Finland
Taras	Lisouski	CEO	EssentOptics	Belarus
Tauno	Vähä-Heikkilä	VP, Microelectronics	VTT	Finland
Theodor	Nielsen	CEO	NIL Technology	Denmark
Thomas	Gadda	CTO	PiBond	Finland
Thomas	John	Managing Director	AEMtec	Germany
Thomas	Mayerhöfer	Senior Scientist	Leibniz Institute of Photonic Technology	Germany
Thomas	Pearsall	Founder of EPIC	EPIC	France
Thomas	Renner	Member of the Executive Board (CSO)	TOPTICA Photonics	Germany
Timo	Aalto	Research Team Leader	VTT	Finland
Timothy	Kennedy	VP, Global Sales	Edmund Optics	USA
Tjin	Swee Chuan	Chairman & Co-Director	LUX Photonics Consortium	Singapore
Udo	Fetzer	Key Account Manager	OFS	Germany
Udo	Heinzel	CTO	Posalux	Switzerland
Ulrike	Helfferich	COO	EPIC	Germany
Viacheslav	Artyushenko	President & CEO	art photonics	Germany
Vicente	Calvo Alonso	CEO	Comptek Solutions	Finland
Ville	Hevonkorpi	Managing Director	SCHOTT Primoceler	Finland
Volker	Blank	CEO	LayTec	Germany
William	McLaughlin	Managing Director	Sivers Photonics	United Kingdom
Wolfgang	Wieser	CEO	Optores	Germany
Yi	Xie	Business Development Manager	Imec	Belgium

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EPIC Team



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.



Anna Trachtova (Marketing Manager) has studied at the University of Economics in Prague and has been working in B2B marketing for more than ten years. She started her career in companies such as PricewaterhouseCoopers and Manpower-Group. Before joining EPIC, she had worked as a marketing manager in one of the biggest law firms on the Czech market, where she was responsible for the whole marketing department. She has vast experience and knowledge in digital marketing, organizing events and project management with focus on marketing activities.



Antonio Castelo (Technology Manager for Bio-Medical and Lasers) has a PhD from the Department of Applied Physics of Universidad de Santiago de Compostela on 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 in 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 ∞ We Laser The New Industry, 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.



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 (Technology Manager for Quantum and PICs) 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 (Technology Manager for Optics and Green Photonics) 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.



Natascha Orban (Events Manager) completed her studies in Human Resources and Office Management in 2020. She has worked in events planning for medium-sized industrial companies completely on her own responsibility. Multi-channel campaigns and diverse online events were also part of her remit. In February of 2023, she successfully completed the certificate course as a human resources specialist.



Neringa Noreikienė (Events Manager) is conferences and events professional with interest and experience in HR, marketing, and sales. Her previous background includes extensive experience in talent acquisition, events & PCO (professional conferences organizer) companies where she was responsible for team management. She has organized numerous international events from 50 up to 2000 people, in Europe and USA. Neringa graduated in business information management as BA (2012, Lithuania), human resources management as MA (2015, Lithuania) and was studying international events management during her exchange semester (2010, the Netherlands).



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.

Biographies & Company Descriptions



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



Matthias Imboden (CEO & Founder) studied physics at Bern University and holds a Ph.D. in Physics from Boston University (2012) in the field of cryogenic nanomechanical systems. From 2016 to 2018, he was a Marie Skłodowska-Curie post-doctoral fellow at EPFL, Switzerland. From 2018 to 2021, he was a project manager at Swatch Group Research and Development. He is an expert in non-linear mechanics and thermo-mechanical micro-systems and has published extensively in the fields of optical MEMS mirrors, RF-Filters, chip-size Fabry-Pérot interferometer, MEMS actuators and sensors, soft-actuators, and biomechanics.



Acqiris, headquartered in Geneva, Switzerland is a leader in the development of high-quality, high-speed signal acquisition & processing solutions for OEM's in the field of Swept-Source OCT, LIDAR, Fiber Sensing, Life Science, Ultrasonic, Medical Imaging, Commercial, Industrial and Research. Acqiris works with OEM's from the earliest stages of their product/project conception to volume manufacturing and through their product's 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



Advanced Fibreoptic Engineering (AFE) have 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 are 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



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.



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 an 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 the recent years.



Amplitude develops and manufactures diode-pumped ultrafast lasers for scientific and industrial applications. Industrial applications include: Analytical chemistry, Lab-on-chip, Ophthalmology, Medical devices, Micro-machining, Internal engraving. Scientific applications include: Cellular imaging, Pump-probe, Nano-surgery, Analytical chemistry, Lab-on-chip, Free Electron Lasers. www.amplitude-laser.com



Eric Mottay (CEO & President) founded Amplitude in 2001 and which is now a leader in diode-pumped ultrafast lasers. Eric graduated from the Ecole Supérieure d'Optique, Orsay, in 1985, and has since specialized in laser development and manufacturing. During his career, he developed and brought to the market numerous solid-state lasers. Eric is the author of many scientific papers and holds several patents in the field.



Applied Materials has expertise in materials engineering is the foundation for all the integrated circuits and flat panel displays that you use every day in computers, TVs, and mobile devices. Just as semiconductor technology changed the world of electronics, photonics technology will change the world of optics as we know it. Today, the Engineered Optics group, is leveraging decades of expertise in manipulating materials at an atomic level on an industrial scale to now manipulate photons and create new optical devices based on nanometer-sized structures. These new components can realize any optical function (lenses, beam splitters, polarizers, color filters, etc.) while allowing much thinner components than current solutions. This new field of optics will have a huge impact on Artificial Intelligence, Machine Learning, Autonomous vehicles, AR/MR, and a lot more. www.appliedmaterials.com



Gauthier Briere (Product Marketing Manager) is Product Marketing Manager at the Engineered Optics group under the CTO Office at Applied Materials. He obtained his Master Degree on Physics of Lasers and Light Matter Interaction at the Université de Bourgogne. He, then pursues by doing a PhD in nanophotonics in 2019 at the Université de Côte d'Azur under the supervision of Patrice Genevet at the Laboratory CRHEA, on the topic of Metasurfaces made of Gallium Nitride with application in the visible range. In 2020, he joined Dispelix, a successful Finnish start up, developing waveguide combiner for augmented reality application. He is now leading the Product marketing for flat optics at Applied Materials.



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' 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.**



ASE Optics Europe 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.



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 – 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.



asphericon has the passion for revolutionizing the manufacturing of optical elements with new technologies, which is changing the degree of precision and quality that is possible. By combining a worldwide unique CNC control technology with high-end manufacturing processes, we routinely achieve unique levels of dimensional precision for optical components, assemblies and systems. 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 free-form surfaces through DIN and ISO and holds an MA in Computer Sciences from Friedrich-Schiller University Jena.



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 – 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 SmartPhotonics in Eindhoven, willing to support the Photonic market and its potential. www.asml.com



Astrum LT, founded in 2017 and 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 implementing both EEL and VCSEL technologies. 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, and electronic industry. The product range includes laser amplifiers, laser heads, optical modules, laser diode drivers to be soon extended with laser components for 3D sensing, ToF, LiDAR and gas sensing. A new 6,000m² laser chip epi and fabrication foundry in the vicinity of Prague, Czech Republic is scheduled to be up and running in 2022. www.astrum-lasers.com



Sergei Tsarev (CEO) is the founder of Astrum LT UAB, Lithuania. Sergei possesses strong experience in international business development in industrial and 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 worldwide. Customers include Israel, South Korea, US and EU-based energy device manufacturers.



AUCCEPT Consulting is offering **AU**thentic **Coaching** and **C**onsulting on **E**ntrepreneurship and **P**hotonics **T**echnologies. 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 u²t 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 u²t 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).

Bahama Invest & Consult helps early stage tech startups develop strategies to scale. With our network into the corporate world with a focus on photonics and electronics, we find your pioneer customers and bring your startup to product-market-fit. We help you become investable and support you in fundraising with our extensive network in the VC scene. www.bahama.consulting



Ronny Timmreck (CEO) received his diploma degree in physics from the University of Technology Dresden, Germany and his PhD for a work on organic solar cells in the group of Prof. Karl Leo renowned for the organic electronics start-ups Novald and Heliatek. Ronny founded his first start-up at the age of 23 and developed this company to a leader in its branch. In 2016, he took the lead in the start-up project SENORICS. He has been CEO of SENORICS since the company's foundation in 2017 and in that position raised more than 10 M€ venture capital.



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 37 years' experience in the Photonics packaging industry, starting with the STC in 1982, and then the Nortel "Centre of manufacturing Excellence" in Paignton. Glenn was responsible for managing the packaging challenges to meet the explosive growth of the dot com bubble era at the turn of the century where he managed a team of 30 engineering and technical staff to deliver unprecedented productivity/cost/performance and volume improvements. Following Bookhams' transfer of production to China, Glenn formed Bay Photonics in 2007 and has overseen the growth of the company and its capabilities within the PIC, Sensing & Quantum and other specialized optical packaging industries.



Bevenic Group provides versatile industrial services to its customers. Those services include contract manufacturing, supply chain management, life cycle services, project management and product design and development. Recently Bevenic acquired Oplatek Group Oy, which is the leading North-European solution provider in the field of photonics with almost 40 years of experience. Oplatek specializes in design and manufacturing specialty optical fibers and capillaries, molded glass components, thin film coatings, precision mechanics, and optical assemblies for various industries. By combining our fields of expertise, we can offer our customers a full chain of service from design to serial manufacturing. www.oplatek.com and www.bevenicgroup.com



Jyrki Huttunen (Director of Business Development) has a Master of Science (Tech) degree from Technical University of Helsinki (1986) and an eMBA degree from University of Kuopio (2002). He has worked in various managing positions for SME's mainly in Finland, and briefly in the USA. He has also co-founded two companies. From 2008 until 2022 he was co-owner and CEO of Oplatek Group Oy. Now he works as Director of Business Development at Bevenic Group Oy.



Esa Kärkkäinen (Corporate Sales Manager) has a BSc degree from Helsinki Institute of Technology (1995). He has worked in various production and sales positions mainly in Finland, and short stint in Italy (2011) in the fields of industry such as metal workshop, plastic component manufacturing, environmental sensor manufacturing, electronic equipment and material sales, pump sales etc. He joined Bevenic Group as responsible for sales in autumn 2020.



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.



BKtel photonics is the leading manufacturer of fiber amplifiers and fiber lasers for LIDAR, telecommunication, cable TV, FTTH, military, medical, aerospace and laboratory applications. With over 20 years of activity, BKtel products include a wide range of platforms in the 1µm, 1.5µm and 2µm bands. The BKtel Photonics team background consists of experience in engineering high end active devices for performing light generation and amplification in optical fibers. We seek to develop innovative products that focus on fiber optics and are controlled by intelligence. The Company products are divided into three families: Fiber amplifier modules, Fiber laser modules, Turnkey solutions for lasers or amplifiers. www.bktel-photonics.com



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' experience in the telecom industry. He was the founder of Skylane Optics founded in 1998 who has been acquire 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's. Future developments are based on automatic quality control for optical transceivers.



Cailabs was established in 2013 in Rennes and is a French deep-tech company which designs, manufactures and sells photonic solutions. By combining our state-of-the-art beam shaping technology (Multi-Plan Light Conversion or MPLC) with optimal engineering, we create innovative products that help solve some of today's major industrial and technological challenges for multiple applications, including: laser machining processes, aerospace, ground-based telecommunications, defense. www.cailabs.com



Jean-Francois Morizur (CEO) is Co-Founder and CEO of Cailabs. He invented the Multi-Plane Light Conversion Technology at the core of Cailabs' solutions. Before founding Cailabs, Jean-Francois was Senior Associate at the Boston Consulting Group. Jean-Francois holds a PhD in quantum optics from the Universite Pierre et Marie Curie and the Australian National University. He received the Forbes' 30 under 30 Science and Healthcare European award in 2016.



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-photon 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.



Comptek Solutions is a forerunner in III-V compound semiconductor quantum surface engineering. Our innovative passivation technology – Kontrox ϵ - 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.



CSEM, founded in 1984 and headquartered in Neuchâtel, is an internationally recognized innovation specialist with over 550 employees across six locations in Switzerland and more than 200 registered patents. We develop disruptive technologies with a high societal impact in the fields of precision manufacturing, digitalization, ultra-low-power electronics, optical elements, AI, and sustainable energy. We then transfer these innovations to industry partners in a variety of sectors, including renewable energy, healthcare, watchmaking, and aerospace, or encourage start-up creations. As a public-private, non-profit organization, our mission is to support the innovation of Swiss companies and strengthen the economy through ongoing collaboration with leading universities, research institutes, and industrial partners. www.csem.ch



Andrea Dunbar (Group Leader) is head of the Edge AI & Vision group and leads the Data & AI focus activity at CSEM. Her team currently works on machine learning, intelligent vision systems including machine vision and multispectral systems. Their active research is on AI supported multispectral systems, ultra-low power systems for a sustainable future including low power imagers and hierarchical computing including resource aware ML training for IoT applications. She has a PhD in Physics from Trinity College, Dublin, obtained her eMBA from EPF. She currently lectures at the EPFL on digitalization, is reviewer for IEEE and an active Board member at the Cantonal Bank of Neuchâtel.



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



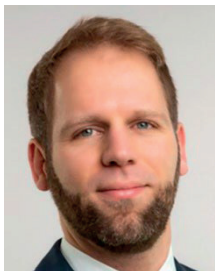
Daniel Petters (CEO) is a physicist and joined Cycle in 2021. After studying theoretical particle physics, he began his career in 2000 as a management consultant in the telecommunications and internet industry. In various positions he focused on finance and business development. Since 2013, he has been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



Chromacity designs and manufactures ultrafast pulsed lasers spanning both the infrared and visible spectrum. Their products service customers in scientific, commercial and industrial sectors. With headquarters in the heart of Scotland, Chromacity has built a reputation of technical excellence and welcomes conversations from OEMs to provide bespoke solutions to service their requirements. Successful partnerships and collaborations with leading researchers produce results in areas as diverse as quantum communications and multi-species gas analysis. www.chromacitylasers.com



DELO is a leading manufacturer of high-tech adhesives and other multifunctional materials as well as corresponding dispensing and curing equipment. The company's products are mainly used in the automotive, consumer, and industrial electronics industries. They can be found in almost every mobile phone and every second car worldwide, for example in cameras, loudspeakers, electric motors, or sensors. Customers include Bosch, Mercedes, Huawei, Osram, Siemens, and Sony. DELO's headquarters are in Windach near Munich, with subsidiaries in China, Japan, Malaysia, Singapore, and the USA as well as representative offices and distributors in numerous other countries. The company has 950 employees and achieved a turnover of 182 million euros in last the fiscal year. www.delo.de



Stephan Prinz (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.



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



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



Lars Rymell (CEO) is an entrepreneur and business developer with a passion for optics and the possibilities it offers for product development. With 20 years of experience from technical consultancy and R&D he has established a unique network within Scandinavian industry and academia. Lars founded Eclipse in 2014 together with 4 colleagues. Lars holds a PhD in Physics from Lund University.



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 new 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 four years ago 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.



Kestutis Jasiunas (Chairman of the Board) is one of the founders and a long time CEO of the company, currently the chairman of the board of Ekspla. Having graduated from Vilnius University in 1982, he started his working career as a research fellow at the Institute of Physics in Vilnius. With years passing, his activities gradually and consistently shifted from hands-on laser science towards laser design and commercialization and towards strategic management later.



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).



Edmund Optics (EO) is a leading global manufacturer and distributor of precision optics, optical assemblies and imaging components with headquarters in the USA, manufacturing facilities in the USA, Europe and Asia and a global sales network. With a portfolio of approximately 37.000 products, EO has a very large inventory for immediate delivery and offers products, whether standard or customized, whether in small quantities or large volumes, for various industries such as life science, industrial measurement & testing, research & development, and more. With a global team of experts in optical design and manufacturing, EO is ready to enable today's projects - from prototyping all the way to serial production. Committed to superior service, Edmund Optics supports its customers to bring their next projects to success and ensures the solutions of tomorrow – as we all believe that the future depends on optics. www.edmundoptics.com



Timothy Paul Kennedy (Vice President of Global Sales) joined Edmund Optics in the year 2000 as an optical engineer and took on his current role since 2021. He spent over 19 years living throughout Asia, expanding the market reach and establishing global offices to support the current and future growth of Edmund Optics. Having spent years as a Managing Director in Japan, he also has a unique ability and understanding of what it takes to develop a cross-cultural business for success. He is also passionate about driving the growth of the company by creating a positive impact through the customer's voice and market needs. Timothy Paul Kennedy holds a B.S. in Optical Engineering from the University of Arizona and a Global Executive MBA from INSEAD of Fontainebleau, France.

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 (Head of Content, Publisher) 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.



EIFys is a Finnish company, and we are specialized in photodiode technology. EIFys provides light and radiation photodiodes with photosensitivity better than any other commercial available products. EIFys offers true board band photodiode for high demanding applications of light detection from deep UV, visible to NIR wavelength range. EIFys supplies the technology and photodiode products to various applications ranging from health monitoring, safety & security, analytical instruments to medical CT applications, etc. EIFys offers standard photodiode products as well as customized photodetectors to the customers and market. EIFys has the capability of designing, development and manufacturing photodiode products in Finland and Europe. www.elfys.fi



Mikko Juntunen (CEO) is the founder and CEO of EIFys. He has a strong background in developing, industrializing and selling science-based innovations, including 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.



Mikko Rasa (Manager, Sales and Marketing) is responsible for sales at EIFys. He started his career as an Analog IC Design Engineer in 2006 but started working in the customer interface in 2010 as a Field Application Engineer. Nowadays, he has 12 years of experience in technical B2B sales ranging from startup to global companies.



Emberion designs and produces high-performance optoelectronic devices based on graphene, other nanomaterials and in-house designed CMOS integrated circuits. Our primary products are infrared detectors for VIS-SWIR and thermal imaging. Emberion's products combine high performance with competitive cost level and thus enable new application areas for infrared imaging. Emberion is an independent SME spin-out from Nokia's R&D based on venture capital funding from Verso Ventures and co-founded with Emberion employees. Emberion is co-located in Cambridge, UK, and Espoo, Finland and we are a member of the European Graphene Flagship program. www.emberion.com



Tapani Ryhänen (CTO & Co-Founder) has, before establishing Emberion, worked in several different business roles at Nokia over 21 years, leading Nokia's R&D of sensor and material technologies and their applications. He has authored more than 70 publications, numerous patents, eight book chapters, and a book. He has given more than 60 plenary, keynote or invited presentations in scientific conferences. There are more than 6500 citations to his publications. His is one of the creators of Nokia's awarded Morph concept and an author and editor of a book "Nanotechnologies for Future Mobile Devices". He is a member in the Scientific Advisory Committee of the EU Graphene Flagship Project.



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.



Jyrki Rosenberg (CEO) is the CEO of Emberion. He has over 20 years of experience in the technology industry in general management, CEO and board roles. Before Emberion, he worked at F-Secure where he led their global B2B product business. After joining Emberion he executed successful funding rounds and enabled the first shipping of Emberion's products. Currently under his helm Emberion has created a dense roadmap and is expanding to new product variants such as GigE high speed 400fps machine vision cameras and SWAP optimised camera cores. They are now expanding worldwide and creating strategic partnerships.



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



Benno Oderkerk (CEO) has a background in electronics and medical technology. He studied at the University of Twente, Netherlands and did his master's thesis at Technion, Israel Institute of Technology in Haifa in 1988. Since then, he worked for 5 years in a small sensor company in Munich and, in 1994, he started Avantes, a spectroscopy company. In the following 26 years Benno lead the company as CEO to a successful worldwide leader in spectroscopy. In 2018, Benno sold Avantes to Nynomic and in 2020 he resigned as CEO. Since then he is in the board of a few photonics companies as well as in the supervisory Board of Photon Delta and Chairman of Photonics NL. **Benno Oderkerk is President of the EPIC Board of Directors.**



Thomas Pearsall (Founder of EPIC) 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.



**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.



EPIGAP Optronics is a market leader in LED technology based on many years of continuously evolving know-how. Their innovative optoelectronic components and assemblies play a key role in many industries and stand out in terms of performance, quality and reliability and can be found in applications such as industrial sensors, automation, safety engineering, diagnostics as well as in the bio-medical field. At their premises in Berlin the team develops and manufactures a broad selection of standard and customized components for smart, sustainable and efficient chips, LEDs and photodiodes. www.epigap-osa.de



Frank Lerch (Director Business Development & Strategy) 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 is co-founder of Dahlem Research & Consulting Group GmbH (est. 2009). He is also mentor of three photonics start-ups. He joined OpTecBB in Sept. 2012 as Managing Director and he is member of the Board of OpTecNet Germany.



EssentOptics manufactures state-of-the-art spectral measurement instruments for inspection of thin films on flats and lenses. Our metrology-grade spectrophotometers are tailored for UV-VIS-MWIR transmittance and reflectance measurement at variable angles and polarizations. During the last years we have gradually expanded our wavelength range and became now the only company on the world market offering unsurpassed 185-5200 nm measurement capability in a single spectrophotometer. EssentOptics will further expand its product range into LWIR in 2023 adding new instruments for 7,5-12,0 um and serving the most demanding thin film optical metrology needs. Our technologies empower customers around the world and motivate them to design and manufacture better optical coatings with cutting-edge performance, enabling them to conduct research in space exploration, lasers, biology, night vision, augmented and virtual reality, and wherever optical coatings play a vital role. Currently, we are regarded as one of the most competent providers of thin film spectral measurement solutions on the market. www.essentoptics.com

MEMBER OF



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Anna Dambrauskiene (CEO) joined the company 3 years ago 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 (CEO) 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 have found EssentOptics to focus specifically on optical thin film metrology solutions. 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.



European Optical Society



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.europeanoptics.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 1250 employees worldwide and fully-owned subsidiaries in the U.S., Japan, South Korea, China and Taiwan. www.EVGroup.com





Josef Meiler (Sales Director) has worked for 18 years in semiconductor area. After his Ph.D. in physics, he has been employed at several device and equipment companies mostly dealing with front-end applications. For more than 10 years he is staying with EV Group as the head of the European sales organization. 3D advanced packaging and temporary bonding /debonding technology are the key drivers for EV Group's future business.



Freepyc brings analytical optics solutions to clients. Freepyc has developed a number of in-house tools that revolutionize the development of multilens optics solutions, including freeform and holographic lenses. www.freepyc.com



Femto Easy is a specialized company that focuses on ultrafast metrology. Our company possesses a wealth of knowledge and experience in producing and evaluating high energy ultrashort pulses. We offer reliable and robust measurement devices for ultrafast lasers, which are already in use in many cutting-edge laboratories and industrial companies. Our product-line includes all the necessary instruments to evaluate and manage ultrafast lasers. We provide state-of-the-art devices for temporal measurement (ROC and FROG), spectral measurement (MISS spectrometer), and spatial measurement (BeamPro). These devices can operate over a broad wavelength range (from UV to mid-IR) and a wide pulse duration range, from 5 fs to 80 ps. Our products are renowned for their outstanding technical performance, ease of use, portability, and versatility, making them ideal tools for customer services. The products are accompanied by high-quality, user-friendly software that contributes to making them easy and enjoyable to use. We provide customized products based on customer specifications and offer our expertise in ultrafast metrology. www.femtoeasy.eu



Mathieu Semenou (CCO & Partner) joined Femto Easy in 2019 with the objective of accelerating the company's growth and positioning it as a leading provider of ultrafast lasers instrumentation. Mathieu is overseeing the Sales & Marketing strategy of the company and a partner. With over two decades of experience in technical sales and business development in the international lasers and photonics industry, Mathieu's expertise in laser-related fields has been honed through his previous sales positions at leading photonics companies such as Lumibird, Imagine Optic, and Hamamatsu.



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.



FEMTOprint SA, founded in 2013 in Muzzano (Switzerland), is a pioneer and market leader in high-precision, 3D microfabrication of custom-designed glass microdevices. Its activities focus on the Contract Development and Manufacturing of microsystems, from rapid prototyping to pilot and volume production at wafer-level, to serve leading international entities and fast-paving tech companies in biotechnology, life sciences, medical, watchmaking, automotive, aerospace, semiconductors, etc. In addition, with its new subsidiary located in Neuchâtel (Switzerland) the company aims to expand its business in photonics and miniaturized optics. The FEMTOPRINT® microfabrication platform enables indeed truly free-form surface/volume definition, welding, surface treatment, and ablative solutions in glass, thus creating a large variety of unique, three-dimensional microdevices. With a monolithic approach to avoid challenging assembly and alignment steps, it enables the integration of microoptical, micromechanical, and microfluidic functionalities. The company employs 35+ multi-disciplinary professionals and is certified ISO13485:2016 for medical device manufacturing. www.femtoprint.ch



Rolando Ferrini (Chief Regional Officer & Head of FEMTOprint Neuchâtel) joined FEMTOprint in 2022 as Chief Regional Officer and Head of FEMTOprint Neuchâtel, the new 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.

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 and our in-house full wafer process line, we also develop polymer waveguide based hybrid integration and SiNx photonics. While our expertise is strongest in high performance (100 GBaud and above) data- and telecom, we have strongly increasing activities in quantum communication and sensor systems, e.g. based on Terahertz and SPAD technology. We regularly offer multi-project 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



Patrick Runge (Head of Modulators & Detectors Group) received the Dipl.-Ing. degree in computer science and the Ph.D. degree in electrical engineering from the Technical University of Berlin, Germany, in 2005 and 2010, respectively. From 2005 to 2007, he was with the Hymite GmbH, where he was involved in the RF design and measurement of optoelectronic packages for optical communication. In 2007, Patrick returned to the Technische Universität Berlin to pursue the Ph.D. degree where he investigated nonlinear effects and applications of ultralong semiconductor optical amplifiers. After finishing the Ph.D. degree, he worked from 2010 to 2011 for a patent attorney. Since 2011, he has been with the Heinrich Hertz Institute (HHI) where he is engaged in the development and fabrication of photodetectors based on InP. Patrick is currently the Head of the Modulators & Detector Group, Photonic Components Department, HHI.

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



Henning Schröder (Group Manager) received his M.Sc. degree in applied physics from the University of Magdeburg, Germany in 1994 and his Ph.D. degree at the Technical University of Berlin in 2000. Currently, he is with Fraunhofer IZM, heading the Optical Interconnection Technologies Group. His main fields are R&D of photonic packaging and optical interconnection technologies for printed circuit boards and photonic modules. The research focus lies on the design, fabrication and performance enhancement of optical glass waveguides and micro optics for PCB and optical sensors, their characterization, and on reliable micro-optical assembling and packaging technologies for photonic modules, including optical fiber attachment. He holds a lot of patents in photonic packaging technologies. Henning is member of the German Physical Society, German Society of Applied Optics, and European Optical Society.



GEHT International is a leading channel partner for high power semiconductor lasers, optical fibers, fiber laser components and LiDAR systems. It represents industry leaders such as CorActive High-Tech Inc., Han's TCS, Optizone, Amonics, Raysung, LightComm and Leishen Intelligent System. GEHT International Ltd also provides and administrates website features and services when you visit or shop at www.gehtmarketplace.com ("GEHT Marketplace"). GEHT Marketplace is a digital transformation to your sales operations and it is fundamentally changing the way how your business can interact with potential customers. GEHT Marketplace is "always connected" and customers can find and buy relevant laser products anywhere and anytime. GEHT International Ltd is headquartered in Hong Kong while European Union, Turkey, Israel, Norway and Switzerland sales operations are run from Helsinki, Finland. We focus on technologies that improve our customers' product performance, quality and help them to reduce the cost of their BoM. www.gehtinternational.com



Heikki Timonen (Director) is Director and Co-owner at Hong Kong based GEHT International Ltd. Prior to joining GEHT, Heikki has served in key management, sales and marketing positions in international Tier 1 OEM laser and semiconductor companies like Coherent Inc., nLIGHT Inc. and Murata Electronics. In these companies, he drove gains in revenue, market share and profit performance in European, Asian and American laser and sensor markets.



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.



HiLASE Centre, established in 2011, a part of the Institute of Physics of the Czech Academy of Sciences and the holder of the Centre of Excellence title, represents an excellent technological infrastructure in the field of application-oriented laser research and development, commissioned in 2016. The main mission of HiLASE Centre is to push the boundaries of laser technologies beyond their current limits, search for new applications and contribute to the prosperity of the Czech and European economy, daily lives of people and sustainable future. We strive to inspire the next generation of laser scientists, engineers and entrepreneurs. HiLASE Centre acts as a bridge between the academic world and hi-tech industry. Under one roof we develop the next generation of high-power Diode Pumped Solid State Lasers, while at the same time, utilize these unique light sources for a wide range of hi-tech industrial applications such as Laser Shock Peening, Laser Induced Damage Threshold testing (certified LIDT laboratory), and Laser Micro-Machining. Our most important facilities include the world record-breaking superlaser “Bivoj”, delivering over 1 kW of average power, and the compact picosecond thin-disk lasers PERLA delivering high power laser beams at wavelengths from mid-infrared to deep ultraviolet. It makes HiLASE facility the perfect partner for hi-tech companies, bringing an unmatched opportunity for research excellence, technological innovation and industrial use. www.hilase.cz



Martina Řeháková (Business Development Manager) graduated with a master's degree in Precision Mechanics and Optics from the Czech Technical University in Prague. Her professional experience includes development engineer in the field of optical technologies, a project manager in the automotive industry, a development engineer in fiber optics and a product manager in the sphere of crystal optics. For ten years, she headed the Engineering and technical department at the HiLASE center. Since January 2023, she has been in the role of Business Development Manager responsible for local i.e., Czech companies.

Hitachi High-Tech



Hitachi High Technologies Corporation - trading company with an emphasis on creativity and leading-edge technology, Hitachi High-Technologies Co., Ltd. Japan is a member of the Hitachi Group. Hitachi High-Technologies in Europe handles a wide variety of products - including scientific instruments and systems, electronic devices, and industrial machinery and materials. Photonics related component business is handled by the Optical Communications Section based in the United Kingdom. The Optical Communications section provides a full value chain from optical components such as aspheric lenses, peltier coolers, submounts, Silicon PICs and packages to contract manufacturing. www.hitachi.com



Mark Marshall (Divisional General Manager) joined the Materials Department of the then named Nissei Sangyo Co in 1990 working in the sales of electronic components to computer and mobile phone companies. Business then developed in the area of components for optical transceivers which despite the boom and bust period of 2001 has continued to the present day. The company was renamed Hitachi High Technologies in 2001 and he is currently the General Manager of the European Trading Division of Hitachi High Technologies Europe GmbH. The European head office is located in Dusseldorf however he is based at Maidenhead in the UK.



Huawei, founded in 1987, is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. We have nearly 195,000 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



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), CWAVE (tunable single-frequency lasers), CFLEX (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

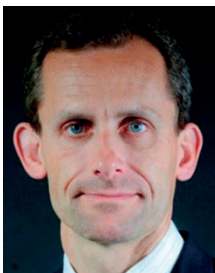


Hakan Karlsson (CEO) is the co-founder of Cobolt and Head of Hübner Photonics. Hakan has over 25 years of engagement in the photonics industry and research community. He has a PhD in Physics from the Royal Institute of Technology in Stockholm and has experience in product development and management, business development, key account management, and marketing & quality management in various executive positions. He developed Cobolt AB as a spin-out from the university to a profitable business and a well-established player in the laser industry.



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/Pittsburg (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 sensor systems and spectroscopy applications such as absorption and fluorescence spectroscopy, Optical Coherence Tomography, Raman Spectroscopy and Laser Induced Breakdown Spectroscopy. 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 Timken, and several years as a consultant at McKinsey & Co. At Ibsen, Henrik is responsible for securing strong and profitable growth through long term partnerships with industrial customers and has grown the business 30% per year since 2014. Henrik Skov Andersen holds a M.Sc. E.E. from the Technical University of Denmark and an MBA from INSEAD.

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



Mohand Achouche (Strategy Advisor) is a Strategic Advisor on devices / 6G and high speed business relationship within Nokia Bell Labs since 2019. From 2015 to 2019, he was the managing director of III-V Lab a JV between Nokia, Thales and CEA. He contributed to the creation of various III-V Lab's spin-offs and led multiple industrial transfers. Mohand received his PhD degree in material science from Paris VII University in 1996. His research activities started at Orange lab in 1993 on Photonic Integrated Circuits for optical communications. During 1997-2000, he was with Ferdinand Braun Institute (Berlin) working on electronic power amplifiers for mobile communications. He joined Alcatel (now Nokia) in 2000 working on various research projects and had many different managerial roles.



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



Samuel Bucourt (CEO) graduated from Institut d'Optique Graduate School and from HEC. He founded Imagine Optic in 1996 and Imagine Eyes in 2003. Both companies are offering instrumentation based on wavefront sensing and adaptive optics for academic, industrial and medical purposes. He 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 conoscopi holography (Le Conoscope). Samuel is also the VP of Photonics France and member of the board of Directors of EPIC. **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



Christian Raith (CEO) has a degree in Bioengineering from the University of Applied Sciences in Munich. Christian started working at IMM Photonics in 2010. At the beginning in development, later in sales which he took over in 2014 and became sales director and in 2016 in addition marketing director. In 2020 he finally took over the commercial management from his mother and company founder Helga Raith together with his previous position as sales and marketing director and became managing director. Three years later, he also took over the development and production from his father and company founder Friedrich Raith.



ICFO, the Institute of Photonic Sciences, hosts over 350 researchers organized in 25 research groups working in 60 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 located in a specially designed, 14.000m²-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



Inkron is a developer and manufacturer of high and low Refractive Index (RI) coating materials. These industry leading optical coatings cover record breaking RI range between 1.1 and 2.0 in VIS/NIR range. The high RI materials are optimized for the Nano Imprint Lithography (NIL) process. Targeted applications include DOE (Diffractive Optics Elements) such as Waveguides for XR devices, optical diffusers, LIDAR and other photonic applications. High refractive index materials are complemented by Inkron's matching low refractive index materials with RI range of 1.1-1.4. Typical applications of the low RI materials cover anti-reflective coatings (visible and NIR range), waveguide claddings and adhesive layers. The in-house synthesized resins and formulations are optically clear, thermally stable and commercially ready for demanding applications. Other products offered by Inkron cover thermally conductive adhesives, encapsulant materials and a range of printable inks. www.inkron.com



Juha Rantala (Founder) is an engineering entrepreneur and executive with 20+ years in photonics and semiconductors. He is a world leading industrial expert in the segment of siloxane semiconductor and photonic materials and his technology innovations have resulted in several multi-million € businesses while used in billions of phones, displays and sensor devices. During his entrepreneurship, Juha has started several companies and executed multiple successful exits. He is also an adjunct professor in materials chemistry. He has published over 100 scientific and technical articles, authored 3 technical editorials and contributed as an inventor to more than 100 patents.



Jukka Perento (Vice President Operations) is responsible of among other Business Development and sales and marketing at Inkron. Jukka has previous experience in management roles in multi-nationals as well as with start-up companies. Previously, he was CEO of three start-up companies in the field of measurement technologies, conductive polymers and functional materials. He is experienced in international B2B sales, management and operations.



Imec shape the future by enabling nano- and digital technology innovation with a significant impact on the quality of life. With our partners from companies, governments and academia. And supported by the three pillars of our R&D: - a unique infrastructure that includes a 2.5-billion-euro 300mm semiconductor pilot line - more than 5,000 expert scientists from over 96 countries - an ecosystem of more than 600 world-leading industry partners and a global academic network. Founded in 1984, imec quickly made its name as the leading research hub for advanced CMOS scaling. We will continue to shape the roadmap for the semiconductor industry for years to come. On top of that, we leverage this deep-tech knowhow. And we combine it with software and system knowledge to build up an exceptional portfolio of advanced technologies. The combination of these technologies opens the door to smart, sustainable solutions. These span domains such as healthcare, clean energy and Industry 4.0. Want to join us in shaping the future? www.imec-int.com



Yi Xie (Business Development Manager) joined imec in 2016. He is currently responsible for high-speed optical transceivers and Lidar business. Before that he was managing the business of imec Silicon Photonics and ASIC services. He holds a PhD degree from Ghent University in Electrical Engineering. He has over 15 years of experience in microelectronic R&D and business development.



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- μ m 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 Ruger (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.



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.



InSpek is a start-up developing integrated photonic sensors for industrial applications. InSpek's first product is a chemical analysis system aimed at real-time monitoring of chemical and biological processes. This system is based on a patented technology for waveguide-enhanced Raman spectroscopy (or "Raman-on-a-chip"), which leverages the advantages of integrated photonics for Raman spectroscopy: higher sensitivity, lower cost, and smaller size. Overall, InSpek's vision is to enable Industry 4.0 with integrated photonic sensors. www.inspek-solutions.com



Jérôme Michon (CEO & Co-Founder) is a co-founder and CEO of InSpek, which he created after his PhD and post-doc in integrated photonics. During his PhD, his research was on flexible integrated photonics and photonic sensors. He then worked on the technology at the core of InSpek during his post-doc at C2N/Université Paris-Saclay. Jérôme holds an engineering degree in Physics from Ecole Polytechnique and a PhD from MIT.



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.

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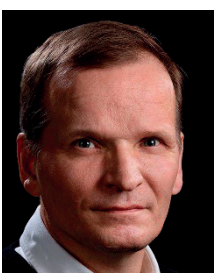
Invest in Finland offers a wide range of services for international companies and investors. From providing industry insights and tailored recommendations to practical support, Invest in Finland supports companies when planning, establishing or expanding their operations in Finland. Invest in Finland is part of **Business Finland** – The national innovation funding, trade, investment and travel promotion organization. Headquartered in Helsinki, Business Finland is fully owned by the Finnish Government and employs 760 experts in 40 offices globally, as well as 16 regional offices around Finland. www.businessfinland.com/establish-your-business/invest-in-finland



Hanna Hyttinen (Senior Advisor) is working at Invest in Finland, where she has a special focus on Electronics and Photonics, Sustainable Manufacturing and New Space. Her role is to help international companies and investors find business opportunities, set up their business, grow and develop in Finland. Prior to her current position, she managed a program dedicated to increase trade, investments and innovation between Finland and Japan, and coordinated a business development program in digital commerce. Hanna holds a master's degree in Economics and Business Administration.



Janne Kari (Head of Industry) is Head of ICT, Invest in Finland. In this role he manages a global team of ICT industry specialists helping international companies utilize the R&D and other opportunities in Finland. Before Invest in Finland, he has worked as private consultant, in various assignments at Nokia and Microsoft and other ICT companies. He has a Master of Science, Electrical Engineering degree from Aalto University. At Invest in Finland, his team has successfully worked with several major companies, including companies in electronics and photonics.



Jöns Tuomaranta (Ecosystem Lead) is the Ecosystem Lead at Business Finland, where he has a special focus on Microelectronics, Photonics, Connectivity, Mobility, specific EU (KDT) and Eureka network projects. He has more than 20 years of experience in telecommunication industry in various international positions including RF design, operative planning, and product program management. Jöns holds M.Sc. degree in Electrical Engineering and Economics & Business Administration.



iPronics, Programmable Photonics is a spinoff company from the Universitat Politècnica de València, Spain. iPronics develops the innovative concept of Field Programmable Photonic Gate Arrays (FPPGAs), which are based on a common optical hardware configurable through software to perform multiple functions. iPronics contributes to the development of future information processing systems where electronics and photonics work cooperatively by synergistically exploiting the best capabilities of each technology. It brings the added value of optical reconfigurability to products with broad fields of application including 5 and 6G telecommunications, data center interconnection, artificial intelligence, signal processing, sensing and quantum information. www.ipronics.com



Ana González (Director of Strategic Partnerships) is Director of Strategic Partnerships at iPRONICS. Her role is to investigate new applications and identify potential partners for the implementation of Field Programmable Photonic Gate Arrays (FPPGAs) including relationships with the supply chain and supporting customer operations. She has a solid network at the Photonic Integrated Circuit (PIC) industry with a large experience reaching out commercial partners and new adopters of PIC technologies. Her expertise lies in the development of optical systems and the investigation of applications such as Sensing and Datacom. She received her bachelor's degree in Chemistry from the University Autonomous of Barcelona (UAB) and her PhD degree from the Catalan Institute of Nanoscience and Nanotechnology (ICN2).



IQM is the European leader in quantum computers. We build quantum computers for research laboratories and supercomputing centers. For industrial customers, we deliver quantum advantage through our unique application-specific co-design approach. www.meetiqm.com



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 Styria. More than 450 employees carry out research work at 7 research units. www.joanneum.at



Paul Hartmann (Director) studied physics (diploma 1991) and obtained a PhD (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 Technology of Nanomaterials at the Technical University of Graz.



Laser 2000 (UK), based in Cambridge, UK, and now in its 31st year, is the UK's leading value-added reseller in Photonics and Fibre Optic Networks. We offer suppliers entry to the US market through our US arm, AVR Optics (Rochester, NY) representing companies such as confocal.nl and Argolight across North America. Our team of 45 staff, most with a PhD or Masters in sciences or engineering, and several with international C-Suite experience, take a consultative approach to understand customers' needs, design & provide solutions. Our highly active field sales team & product managers bring deep market penetration of academic, industrial, life sciences and communications markets. We are experienced in taking business from start-up to OEM volume, handling precision automation, machine vision and AI-based decision making. We support diversity, staff well-being and schools encouraging careers in STEM. www.laser2000.co.uk www.avr-optics.com



David Gillett (CEO) became CEO of AVR Photonics Group in February 2021, leading the MBO of the business. AVR Photonics Group is the parent of Laser 2000 (UK) in Cambridge UK and AVR Optics in Rochester, NY. He brings over 25 years' experience in creating positive business cultures, delivering growth and customer satisfaction. His background is in commercial leadership roles at public and private equity backed high technology manufacturing & engineering companies includes Coherent Inc; Highwave Optical Technologies SA; and Oxford Instruments plc. David holds a Doctorate in laser spectroscopy & molecular quantum mechanics of free radicals and a Masters in Chemistry both from the University of Oxford, and held an NSERC Postdoctoral Research Fellowship at the University of British Columbia, Vancouver. He speaks a number of European & Oriental languages and is highly experienced in international market selection & market entry.



Laser Components, since its establishment in 1982, has always defined itself as a solution provider for optical and optoelectronic technologies. The customer spectrum of the owner-managed family company covers all industries that utilize light. With more than 260 employees at seven locations on two continents, the company group generates around 60 percent of its sales with products from its own production including laser optics, avalanche photodiodes, pulsed laser diodes, IR detectors, pyroelectric detectors, laser modules, photon counters and fiber optic assemblies. www.lasercomponents.com



Florian Blobner (Chief Product Officer) is the Chief Product Officer of Photona GmbH, the holding company of the Laser Components group. He holds a PhD degree in physics from the Technical University of Munich and joined Photona beginning of 2022. Before that, he worked in various roles for product management and sales in the Photonics and sensor industry.



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, 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. Recently, also in-situ metrology tools for wet and 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



Volker Blank (CEO) holds a diploma in physics from Goethe University Frankfurt am Main where he worked on spectroscopy applications of ultra-broadband THz pulses. Volker joined LayTec in 2012, initially being responsible for sales in Asia and later as well in USA/Canada. Since 2018 Volker has been Director of Marketing. He continues heading LayTec's Sales & Marketing department as part of his responsibilities after being appointed LayTec's CEO in 2021.



The Leibniz Institute of Photonic Technology: IPHT explores the scientific basics of photonic processes and systems of the highest sensitivity, efficiency, and resolution. In keeping with its "Photonics for Life" motto, IPHT develops custom solutions to problems in the fields of medicine and the life and environmental sciences that are based on this research. Following IPHT's principle "From Ideas to Instruments," we implement the insights gained from our research into processes, instrumental concepts, and sometimes even into laboratory prototypes in order to sustainably contribute to the benefit of patients and consumers. With its research profile, IPHT is perfectly integrated into the science and economic hub that is Jena – a city which, since the time of Ernst Haeckel, Carl Zeiss, Otto Schott, and Ernst Abbe, has traditionally been characterized by the fertile interaction between the life sciences, physics, and optics. Through its leading role in national and international networks and consortia, IPHT significantly contributes to the advancement of the research topic of Biophotonics and performs an important deed in safeguarding the future in an area highly relevant to society. www.leibniz-ipht.de



Thomas Mayerhoefer (Senior Scientist) received a PhD and a habilitation in physical chemistry from the Friedrich-Schiller University Jena. Thomas has published around 100 peer-reviewed papers, with approximately half as first author. His work is focused on reuniting and advancing the field of infrared spectroscopy based on wave optics and dispersion theory. He is deputy chair of the Photonics21 Work Group Health.



LEUKOS is a world-leading company, designing and commercializing supercontinuum sources (white lasers), Nd:YAG microchip lasers and femtosecond mid-IR fiber lasers. Founded in 2006, the company was a pioneer regarding this innovative technology. Following the technological transfer from Xlim laboratory (University of Limoges), LEUKOS has continuously introduced new products during these last 10 years. In 2013, the company has expanded its activities by acquiring the company HORUS LASER, a manufacturer of compact passive q-switch microchip lasers and in 2022 LEUKOS acquired the assets of NOVAE, a manufacturer of femtosecond mid-IR fiber lasers. www.leukos-laser.com



Guillaume Huss (CEO) has defended his PhD in 2001 at the University of Limoges (Xlim laboratory). The subject was the use of optical fibers and optical components for stellar interferometry application (high resolution imaging by aperture synthesis) Then, he spent two years as a post-doctoral researcher at IMEP (Grenoble), under a CNES contract for developing an integrated optics component for the recombination of stellar optical flux. In 2005, he starts the LEUKOS project by entering an incubator. He built the first prototypes of supercontinuum sources, jointly with Xlim institute, in the frame of a technological transfer and in 2006 he founds the company LEUKOS with an assistant professor.



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 actives, 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.



LightTrans offers solutions for the entire development cycle of optical components where progressive simulation technology shows its advantages (designing optical components and complex systems, detailed modeling, and performing tolerance analyses are just a few examples). In this context, our products and services include optical design software, optical engineering from consulting to customer projects, as well as general and specific trainings. All the products and services of LightTrans are based on the fast physical optics design software “VirtualLab Fusion”, developed and produced by Wyrowski Photonics, whose ground-breaking technology provides a seamless and practical transition between geometrical and physical optics. LightTrans provides solutions for, among others, the following fields:

- Light Shaping
- Optical Metrology
- Imaging Systems
- Laser Systems
- Virtual and Mixed Reality

www.lighttrans.com



Stefan Steiner (Principal Scientist) has been the principal scientist with LightTrans International for about 3 years. He started out as an optical scientist, almost 7 years ago. He is now head of the optical engineering department and therefore responsible for the management of customer projects, consulting services, and training courses at LightTrans. Furthermore, he collects and assesses new demands in the field of optical modelling and design that arise from the latest innovative applications on the market and discusses the future development of the Company's fast physical-optics software with the development

team. With more than 10 years of experience 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.



Laser Zentrum Hannover, as an independent, non-profit research institute, the Laser Zentrum Hannover e.V. (LZH) stands for innovative research, development and consulting. The LZH is supported by the Niedersachsen Ministry for Economic Affairs, Employment, Transport and Digitalisation and is dedicated to the selfless promotion of applied research in the field of photonics and laser technology. The focus of the LZH lies in the fields of optical coatings, components and systems, optical production technologies, and biomedical photonics. Interdisciplinary cooperations between scientists and engineers make innovative approaches to challenges from the most different areas possible: from the development of components for specific laser systems to process developments for the most diverse laser applications, for example for medical technology or lightweight construction in the automotive sector. Eighteen successful spin off companies have emerged from the LZH up to now. Thus, the LZH has created a strong transfer between fundamental science, application oriented research, and industry. www.lzh.de



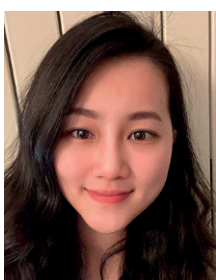
Lithuanian Laser Association (LiLA) strives to consolidate the efforts of its members and the Lithuanian laser community, in retaining and persistently strengthening the leading positions of the laser and closely related fields, counting both science and commercial developments. Companies under the LiLA 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 LiLa, LITEKε 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.



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 for 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



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



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 LuOceanε 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 is an initiative by the Nanyang Technological University Singapore (NTU) and National University of Singapore (NUS); and is supported by the National Research Foundation, Prime Minister's Office, Singapore. The Consortium aims to serve as a catalyst to propel Singapore's photonics research and industry to be a world leader in light enabled technology that drive life changing innovation and inventions. www.luxphotonicsconsortium-sg.org



Choi Pheng (Programme Director) is the Photonics Programme Director in both LUX Photonics Consortium and NTUitive Pte Ltd, the technology translation office of Nanyang Technological University, Singapore (NTU). Her key role is to identify the market/industry requirement of innovative solutions from a large pool of research expertise in NTU. With the launch of LUX Photonics Consortium, her role has expanded to promote closer partnership between industry/companies with two local universities: NTU and NUS (National University of Singapore). Prior to joining NTUitive, she has spent her most recent years on business planning and product

marketing in embedded non-volatile memory for a world-class semiconductor foundry – GlobalFoundries, which has footprint across 3 continents – Asia (Singapore), US (San Jose and Malta) and Europe (Dresden in Germany), and a long list of customers worldwide.



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. This Joint Lab evolved with the inclusion of the Centre National de la Recherche Scientifique (National Center for Scientific Research) or CNRS for short, into the CNRS-International-NTU-Thales Research Alliance (CINTRA) with an MOU signed on 7 Oct 2009. 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. Company provides ultra-compact and highly reliable solutions that can be easily integrated into the customers laser system. This makes Maiman Electronics LLC 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, ranging 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.



MEETOPTICS makes the search for optics and photonics products easy and comprehensive thanks to our developed AI-powered search platform. Now with more 85.0000+ products (Light sources, optics, detection devices, fibers & fiber components, optomechanics) we help professionals in our industry to quickly understand the technical capabilities of trusted manufacturers. Optics and Photonics manufacturers can access those professionals at the moment of their needs in an uptodate en centralised platform. MEETOPTICS is already the largest database of products and technical capabilities in the industry and the only one uptodate and technically standardised, accessing thousands of professionals every week, we have built a user base community of 70.000+ engineers and researchers in the prototyping phase. 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 equipment and technologies for their setups. For that 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 have helped +70.000 professionals around the world, mainly in Europe and North America.

MenloSystems



Menlo Systems is a leading developer and global supplier of instrumentation for precision metrology on the highest level. Based in Martinsried near Munich, Menlo Systems is known for its Nobel Prize winning optical frequency comb technology. Their main product lines are optical frequency combs, solutions for time and frequency distribution, ultrastable lasers, terahertz systems, and femtosecond lasers. Menlo Systems deliver state-of-the-art products to customers from industry and academia worldwide. To push the limits of the measurable, Menlo Systems work closely with selected customers and develop new solutions for laser-based precision measurements. www.menlosystems.com

modulight



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.



Seppo Orsila (Chairman & CEO) has 20 years of experience in international business in semiconductor, personalized medicine and telecommunication. Prior to re-joining Modulight he served in various roles most recently CFO of Nokia accessories business unit. Seppo has MBA from Helsinki School of Economics and Master of Science in semiconductor physics from Tampere University of Technology.



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. 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, Mumbai and New Delhi). 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



Mountain Photonics



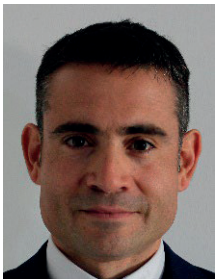
Mountain Photonics represents innovative manufacturers of lasers, light sources, instruments for optical measurements, optomechanics and photonic accessories in the German speaking market and some neighbouring countries. Furthermore, we develop our own product lines for integrating spheres (Mountain 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. First tunable light sources were sold in 2018, integrating spheres and calibration sources will follow this year.



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.



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.

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.

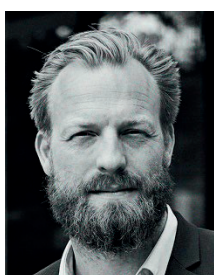
neoLASE is an innovative laser manufacturer and one of the world's leading supplier of solid-state laser technologies. The portfolio of laser systems, laser amplifiers and customized laser solutions enables a wide range of industrial and scientific laser solutions from continuous wave to high energy ultrashort pulsed lasers. Due to a modular system design different laser parameters in the nano- to femtosecond pulse duration range, high average powers or high energy pulses are generated from a standard system platform. This allows precise applications like cutting, drilling or welding with maximum flexibility of the laser parameters. www.neolase.com



Maik Frede (Co-Founder & CEO) has about 20 years' experience in laser development. He studied technical physics in Münster and received his PhD in Physics from the University of Hanover. After his PhD, he worked at the Laser Zentrum Hannover e.V., he was leading the solid-state photonics group. Diode pumped solid-state lasers are the area of expertise and beside lasers for gravitational wave detection he developed space-born lasers and high power industrial laser systems. In 2007, he founded the company neoLASE. Maik published about 200 scientific publications, further for his work in the area of gravitational wave detection he received the Special Breakthrough Prize in Fundamental Physics and the OSA's Paul F. Forman Team Engineering Excellence Award in 2016.



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 (CEO & Founder) holds an engineering master's degree from The Technical University of Denmark (DTU) where he has specialized in nanotechnology. Theodor has worked with nanoimprint lithography since 2003 where he, as part of his studies, took part in pioneering the nanoimprint activities in Denmark. He is one of the founders of NIL Technology where he has held the position as CEO since 2006. Pioneering the growth of NILT from an idea to an international operation.



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. Per has also served as business consultant with The Swedish Trade Council, where he offered consultancy services to Swedish companies doing business in Australia and New Zealand, and as member of the board for Noria Fiber Technologies.



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. www.nktphotonics.com



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 38-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 a member of the EPIC Board of Directors.**



Kim Hansen (Vice President Strategic Marketing) has been with the company since 2001. First as project and product manager in Crystal Fibre and since 2011 with the responsibility for global marketing and corporate communication. 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.



NTS Optel, since 1986 based in Nijmegen the Netherlands, is part of the NTS group and a contract manufacturer that develops, produces, assembles and tests complex (opto-)mechatronic systems. We serve the following applications areas: Illumination (medical illumination; machine vision illumination; fiber illumination; and general illumination); Imaging (custom imaging optics; custom cameras; machine vision using custom or off the shelf optics and cameras; microscopy systems; and fluorescence systems); Sensors (custom spectral sensors; custom position or height sensors; and other sensors); Laser beam delivery (scanning; focusing; beam shaping; and beam steering); and Industrial test/metrology equipment (these are turn key integrated solutions involving e.g.: frame / cabinet design and production, user interface and machine control software, handling of products, motion control, optical sources and or sensors, and electronics). www.nts-group.com



Michel Pastoor (Sales Manager) has over 25 years' experience in the high-tech business in Sales, business, and project management. He joined the NTS group 3 years ago as account manager, and since November 2022 is Sales manager for NTS Optel, a specialist for development and assembly of complex (opto-)mechatronic systems. Over the past years NTS Optel has grown significantly via following applications areas: Illumination, Custom special Sensors, Laser beam delivery and (turn-key) test/metrology equipment.



NYFORS is an innovative supplier of advanced glass processing and optical fiber preparation equipment for high strength and specialty splicing operations. A common feature, found in many products, is the automated fiber processing, intended to give consistent results and high production yield in volume production of optical fiber components. The product portfolio is continuously expanded to cover wider and more challenging customer applications. It currently includes CO₂ laser splicing and glass shaping equipment, automatic systems for fiber preparation and window stripping, high precision cleavers and optical fiber recoaters as well as proof testers and cleave check interferometers for fibers and ferrules. NYFORS also provides custom solutions for production applications such as volume manufacturing of fiber optical gyroscopes. All NYFORS products are developed with the user in mind for comfortable and easy operation in production and laboratory environment. www.nyfors.com



Erik Böttcher (CEO) has a broad international experience in the fiber optic business. He is skilled in areas of preparation and automatization for high strength specialty splicing. Before Erik started at NYFORS, he ran a technical consultant company in Stockholm, where he studied Industrial Economics (M.Sc.) at the Royal Institute of Technology (KTH) between 2001 to 2006. NYFORS is a family-owned company, and Erik is the second generation running the business. Erik's focus is to maintain and advance NYFORS lead position within high-end fiber optic splicing, preparation and automation. Erik is a devoted supporter of community investment. Engaged in nonprofit and advisory boards to support start-ups commercializing technology, developing e-commerce, and enhancing technical education.



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 Lipinskas (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.



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.



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.



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



Remigijus Šliupas (CEO & Co-Founder) considers photonics not just a technology or a science but a passion, which he got obsessed with 15 years ago at the University of Insubria, the same day when he met Dr. Paolo di Trapani and Dr. Matteo Clerici in their laboratory. Moreover, friends, colleagues and partners from Vilnius University, where he gained a deep technical background in different fields of photonics, demonstrated a true meaning of light and its impact for far-reaching possibilities. That is why he decided to become a part of this world-changing community.



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 standard items, we provide a wide range of high-quality products, and we also manufacture custom solutions to support various industries including Life Sciences, Bio-Medical, Semiconductor, Displays, Research, Telecommunications, Aerospace and Defense. "OptoSigma" was born in 1995 as a California Corporation as a subsidiary of SigmaKoki Co., Ltd., Tokyo Japan. SigmaKoki was born in Japan in 1977. Today, OptoSigma is our global brand name with affiliates in France, Germany, Singapore and China. Together we are known as, "The SigmaKoki Group" and we have over 45-years of experience and counting. 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 standards 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 2005 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 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 semiconductor 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.



Optonas is a professional Lithuanian company specializing in vacuum coating technologies: IBS, E-beam and Thermal evaporation and offers customized production, providing customers with solutions tailored to their specific application. The coatings produced by Optonas are extremely robust and resilient under long-term laser illumination, mechanical impact and varying ambient conditions. Coatings for infrared, visible and ultraviolet spectral ranges from as low as 190nm to as far as 20000nm are available. The coating materials include thin-film dielectrics, metals and semiconductor, ensuring highest quality and durability. They find applications in lasers devices and other optical systems. It's a regional leader of UV, VIS, Mid IR, Far IR, Variable Reflectivity and crystal coatings. Most advanced IBS sputtering machines are running at 24/7 regime to ensure fastest product manufacturing time. The company makes coatings of ultimate performance and durability on AGS, DKDP, LBO, LiIO₃, ZGP, YAG, KTA, KTP, YVO₄, ZnSe, RTP, KGW, CaF₂, BBO and other optical materials. www.optonas.com



Leonas Paukštys (COO) holds bachelor's degree in chemical engineer. His career in Optonas started in 2017 as engineer and led to more than 5 years experience in photonic product manufacturing. Due to high competence, in 2019, Leonas became COO of the company. Main expertise in Thin Film Coatings for laser industry, and also for laser optics and optical crystals. Working in R&D of Coatings on optical crystals. He is curious about thin film technologies and enjoys looking for new applications where Optonas can provide added value to industry.



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) has a long-standing technical background in Photonics and Adaptive Optics. He was on the management board of two successful high-tech startups: SwissLitho AG, manufacturing rapid prototyping nanolithography tools and modum.io AG in Zurich, developing IoT trackers for Pharma supply chain. Before that, he was product manager at Jenoptik Optical Systems GmbH, did his Post-Doc at the EPFL developing MOEMS systems, and earned his PhD in experimental physics at the FU Berlin.



PhotonDelta is an ecosystem that researches, designs, develops, and manufactures solutions with integrated photonics technology. Connecting pioneers in the field with investors, and viable markets, PhotonDelta helps to take the industry forward with funding, investments and R&D roadmaps. PhotonDelta is located in the Netherlands but connects and collaborates throughout Europe. www.photondelta.com



Ewit Roos (CEO) has been the CEO of PhotonDelta Foundation since January 2018. His main responsibility is to realize the goals of the Dutch National Plan 'Integrated Photonics', to stimulate new activities and to maintain intensive contact with companies and industry players for expanding the ecosystem. He was Managing Director of PhotonDelta since 2014 and before that, since 2011, he fulfilled the role of Managing Director of BrightMove, an early-stage funding company for high-tech starters in the Brainport region. Aside from his role as CEO, Roos advises both national and regional governments and public bodies on early-stage (deep-tech) funding topics. Roos started his career with Waste Management Inc., where he was responsible for corporate affairs and business development in the Netherlands and in a later stage for the European electronics recycling division.



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.



PHOTONIS

PHOTONIS is a global manufacturer of electro-optic solutions used in the detection of ions, electrons, and photons. We develop, produce, and market innovative sensors for detecting and amplifying very low levels of light, charged particles, and radiation. Our products are used in a wide range of applications from night vision to analytical instruments, and even in nuclear reactors and warships. When you partner with Photonis, you will receive a custom detector designed to meet the specified performance and sensitivity criteria. www.photonis.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.



Photonics.fi

Photonics Finland is the Finnish research, innovation and technology cluster and platform in photonics. It connects Finnish photonics companies, research centres, universities, and public authorities together. Photonics Finland supports the development of the photonics field from basic research through to the deployment and market launch of products. Photonics Finland develops new business and research opportunities, and helps realize the full potential of the photonics industry in Finland in sectors like health care, energy efficiency, safety, manufacturing, and sustainability. Photonics Finland supports networking within Finland and establishes contacts within Europe, especially to the European technology platform Photonics21. www.photonics.fi

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



Jorma Palmén (Head of Technology) graduated from University of Helsinki, Department of Geology and Mineralogy in 1997 with major in Geology and Mineralogy. Jorma completed his Licentiate of Technology degree from Helsinki University of Technology, Materials Science, Laboratory of Engineering Geology and Geophysics in 1999. During M.Sc. Degree and Lic.Sc. Degree at University of Helsinki and Helsinki University of Technology, he worked as an assistant lecturer and a researcher. He joined Fintact Oy in 2000 as geological expert on spent nuclear fuel disposal, in 2006 - Pöyry Environment Oy, and in 2010 Pöyry Finland Oyj, where he participated in studies of screening rock material resources,

the used nuclear fuel waste management, biosphere studies as well as rock construction and tunneling projects. In the autumn 2010, he started teaching engineering geology and applied mineralogy in Aalto University as a lecturer, and in 2014, as a project specialist in LaDiMo project funded by TEKES. In January 2015, Jorma and his co-founder established a company LaDiMo Oy. In 2022 he joined PiBond Oy, where he works as a Head of Technology, 3D-sensors. Jorma is a member of Finnish Geological Society, a member of Society of Exploration Geophysicists and chairman of the board in Finnish Mycological Society.



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.



Uula Kantojärvi (Director) joined PiBond Oy in 2022 and took a responsibility for building new business in the optical components and in the micro- and nanofabrication processes. Previously, he was a co-founder and CTO in a deep tech startup company commercializing a miniature material sensor based on IR spectroscopy. Uula received a M.Sc. in electrical engineering from Helsinki University of Technology in 2006.



PHOTOSYNTHETIC



Photosynthetic is a start up based in Amsterdam, The Netherlands. We are working on a new technology that will enable rapid prototyping for micro-optics, microfluidics, microsensors and other microscale applications. By exploiting advanced computational methods in combination with single-photon polymerization, we are aiming to reduce prototype fabrication times from days to hours, allowing faster design iterations, and perhaps even providing the possibility for a medium sized production. In a nutshell, we are creating a polymer-based 3D printer capable of generating 3D structures with sub-micron resolution at unprecedented speed. www.photosynthetic.nl



Alexander Kostenko (CEO) obtained his PhD in Applied Physics from Delft University of Technology in 2013. He worked in various R&D projects related to X-ray Computed Tomography (CT) and Seismic imaging for 6 years. In 2019, he started working on the adaptation of CT to 3D printing in the form of Volumetric Lithography at which point Photosynthetic was started. Later, in 2020, the focus of his work shifted to the development of a micro-fabrication method based on similar principles. Since then, the team of the startup grew from 2 to 6 members, developed a hardware prototype of the volumetric micro-lithographic system, first materials and software and started to work on the demonstration of the new approach in various applications.



Posalux, founded in 1943, is a privately owned Swiss company with 100 employees located in Biel/Bienne with a worldwide service and sales network with subsidiaries and independent agents. Posalux is a leading manufacturer of micro-machining solutions for mass production, based on three different technologies: Femto Laser, Electro-Erosion and Mechanical micro Machining. Main markets are electronics and automotive, followed by special applications for medical, watch and other industrial solutions. www.posalux.com



Udo Heinzl (CTO) joined Posalux in September 2016 as the Senior Manager for Applications and was appointed to the position of CTO in June 2019. Prior to his activities at Posalux, Udo held several positions at key players in the automotive industry. With his brought experience, he has great knowledge of customer requirements and machine solutions for mass production. Udo, born 1968 in Erlangen Germany, holds an engineering degree of the Friedrich-Alexander-University, Erlangen-Nürnberg.



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.



M PRECITEC

Precitec Group is the worldwide innovation and market leader in the development and manufacture of components and system solutions in the field of laser technology and optical metrology. The challenges of our customers spur us on every day. Great changes are driven by technology. And technologies change the world. Our passion is to make the almost limitless possibilities of our fields of technology available to industry. As a value-oriented family business, our focus is on sustainable and independent development. www.precitec.com



Markus Kogel-Hollacher (Head of R&D Department) began his activities in the laser industry working for his MS degree at the Fraunhofer Institute for Laser Technology in 1994. Since then, the focus of his work is on the field of monitoring and control of laser processes. After earning his MS degree in physics in 1996 from the RWTH Aachen University in Germany, he joined Precitec Optronik GmbH continuing the work with the emphasis on transferring R&D results to industrial solutions. This work has been discussed extensively in several technical journals and presented in various conferences. In his position as head of the department R&D projects in the Precitec Group, he oversees national and international governmentally funded projects. Working together with RTD performers and end users, his guiding principle is to continuously increase the reliability and the use of process monitoring and process control devices in laser materials processing. In 2008, he obtained his Ph.D. at the Technical University of Berlin, Germany. Markus is founding member of Photinics21, member of the LIA since 2002, member of the SPIE since 2010. In 2012 and 2014, he was finalist of the European Innovation Award Laser Technology.

QS LASERS



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



Saulius Frankinas (COO) has more than 15 years of experience in the field of photonics. He defended Ph.D. degree in Physics from FTMC/ Vilnius University in the field of fiber lasers in 2018. Saulius held different positions with the QS Lasers working at laser development, managing series production of lasers. Now he is COO of QS Lasers and responsible for R&D projects in the company too. His area of interest includes looking and implementation of innovative solutions that ensure realisation of compact DPSS lasers for medical field or micromachining.

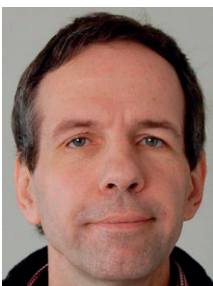


Quantune Technologies is a Berlin-based start-up focused on biomedical sensors based on mid-infrared lasers. Quantune Technologies develops Tunable QCL-based Micro Spectrometers for Industrial and Medical Applications. www.quantune.com

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.

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RIBER is the leading supplier of MBE systems, components and services. Our company has installed over 800 systems across 35 nations. This accounts for around 75% of all MBE systems in the world. 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



Brian Miller (Business Development Manager) read biochemistry and solid state chemistry before commencing Ph.D studies on a Ministry of Defence research award at RARDE, Fort Halstead (Kent); and, at the universities of Wales (UCW Aberystwyth) and Manchester. He worked in the Molecular Beam Epitaxy department at GEC Hirst Research Centre in Wembley progressing to Senior Principal Research Scientist. Then Brian joined the MBE system manufacturing industry most recently with RIBER where his main focus has been on production MBE markets in Asia, especially China. In Nov. 2022, he was appointed to his current position in the newly created Business Development Group.



RefleKron is a premier provider of customized semiconductor saturable absorber mirrors (SESAMs). Every laser needs a unique SESAM for optimal performance, repeatability and long lifetimes. We address this need with a full product qualification cycle ensuring stable supply for volume production of pulsed laser systems. We offer a unique combination of semiconductor technology expertise, in-house epitaxy, SESAM design and characterization, and extensive knowledge in laser physics gained since our establishment in 2004. Our technology enables to develop SESAMs for both mode-locking and Q-switching applications, covering a wavelength range from 0.6 μm to 3 μm . www.reflekron.com



Eero Koivusalo (COO) joined RefleKron in 2019 leading the scale-up of the company's activities and aim to target a broader customer and application basis. In 2020, he moved to the role of COO following his PhD in Physics from Tampere University. During his PhD work and years at RefleKron, he has gained extensive expertise in molecular beam epitaxy and design of III-V semiconductors. He is the head of production and semiconductor design at RefleKron and acts as the primary customer contact during product developments.



Roosa Hytönen (Engineer) is the corresponding engineer of semiconductor production at RefleKron. She works with semiconductor growth and design, as well as in the customer interface of new development projects. Roosa has gained comprehensive expertise in molecular beam epitaxy of III-V semiconductors during her research work at Tampere University and years at RefleKron.



Schott Primoceler helps our customers develop, manufacture and test hermetically sealed products. Our experience started in the medical device industry, where SCHOTT Primoceler's novel glass-to-glass bonding method solved issues in hermetic sealing of medical implants. From there, we worked with the Aerospace industry, where the advantages of our Glass Micro Bonding were verified and continuously tested. Furthermore, SCHOTT Primoceler offers manufacturing services. Quality assurance is at the center of all our processes and we have a wide range of expertise in hermeticity testing and reliability assurance. We can address even the most stringent demands. www.schott.com/primoceler



Antti Peltonen (Marketing and Business Development Manager) has been in charge of Business Development at Primoceler for the past seven years. He has studied in Helsinki School of Economics and then worked on multiple different StartUp companies. Antti is one of the few experts on Glass Micro Bonding that was developed and commercialized during the past 4 years. The Finnish innovation company then has been acquired by SCHOTT and so became SCHOTT Primoceler Oy.



Ville Hevonkorpi (Managing Director) is one of the founding members at Schott Primoceler. He has been developing hermetic room temperature glass bonding methods. He studied microsystems technology at Tampere University of Technology. After his studies, development has been focused on high reliability packaging for opto-electronics and for aerospace and medical implant devices. Ville has been leading various successful projects with the European Space Agency where high-reliability glass packaging for space applications have been developed. At the moment, Ville and his team are frequent speakers at international microelectronics and medical implant packaging conferences.



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.



Silicon Austria Labs (SAL) is an Austrian research center for electronic based systems (EBS). The application-oriented center offers cooperative research in the areas of Sensor Systems, RF Systems, Power Electronics, System Integration Technologies, and Embedded Systems and develops technologies for Industry 4.0, Smart Health, IoT, MEMS, MOEMS, energy, or lifestyle. SAL has extensive experience and competencies in macro- and micro-optics and integrated photonics for miniature optical sensors and multifunctional sensing systems, covering the whole R&D chain of simulation and system design, device fabrication and testing, photonic assembly and system integration, as well as the development and application of novel sensing concepts. SAL's R&D photonic projects bridge the gap between fundamental research and application with advanced technologies focusing on major industrial markets including quantum sensors, environmental sensors, non-linear spectroscopy and spectroscopic sensors, smart lighting and imaging systems, LIDAR and remote sensing systems. 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.



Sivers Photonics is the world's most advanced supplier of customised III-V semiconductor photonics devices, enabling next generation applications in fast growth optical communications and sensing markets and a key strategic supplier to many Fortune-100 and Silicon Valley customers. With over 20 years of expertise designing and manufacturing III-V photonic devices for a diversity of material systems, our foundry provides end-to-end in-house capability, from prototype design to qualified high-volume manufacturing, with a particular focus on InP sources optimised for silicon photonics integration. We offer customisable high power InP-based DFB lasers and gain chips, as single emitters or arrays, with complete in-house capability from epitaxy design to qualification. Our line is fully qualified for 4" wafer processing with high yield. www.sivers-semiconductors.com



William McLaughlin (Managing Director) is managing director at Sivers Photonics and responsible for growing the company in worldwide, B-to-B and consumer-driven photonics markets. He previously held Senior and Executive roles at semiconductor industry giants Motorola, Global Foundries and Teledyne e2v, as well as senior roles within industry start-up Slices. His 30 years of experience include Operations, Engineering, Quality, Research and Technology, and Global Applications. He has worked in the UK, Finland, Germany, USA, and Asia (South Korea, Taiwan, Singapore, and Japan). William studied Electronics and Electrical Engineering at Glasgow University. He is an accredited LSS Master Black Belt and a consultant in Quality Management Systems.

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SPECIM is a globally leading supplier in spectral imaging. As a true pioneer and forerunner in this field, we celebrated our 25th anniversary in 2020. Our international team of 80+ professionals, with expertise in optics, electronics, software, and machine vision, serves the market with the broadest range of hyperspectral cameras, imaging spectrographs, systems, and accessories. We are known as a trusted partner with products and support of superb quality and cost-efficiency. With our strategy, "Spectral imaging made easy," our customers can rely on the scalability of our technology and products. It will allow our customers to keep improving the performance and competitiveness of their solutions and develop application solutions quicker and with less technical skills. www.specim.com



Jere Hartikainen (CTO) is a seasoned technology leader with over 20 years of experience in high tech industries, specializing in both SW and HW development and product management. In his current role at Specim, Jere is responsible for leading the development of innovative solutions and product strategies that contribute to the company's growth. Since joining the company in 2015, Jere has consistently demonstrated a strong track record in technical expertise and leadership across multiple product development projects.



Minna Törmälä (Global Marketing Manager) holds a Ph.D. in marketing from Oulu Business School and is specialized in branding and co-value creation in new technology ventures. She has over 15 years of experience in B2B marketing and business development in different roles.



Tapio Kallonen (CEO) is the CEO at Specim, Spectral Imaging Oy, the global leader in spectral imaging devices and software based in Oulu, Finland. Tapio is also a member of Global Management Committee at Konica Minolta Sensing Business Headquarters. Tapio holds Master's Degree in Electronics and Electrical Engineering from Aalto University (Finland). Tapio has completed Executive Training Programme at SOAS University of London and Waseda University (Japan).



STENSBERG

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



SPIO Systems has a new optics manufacturing platform (SPIO) that brings down the high assembly costs and solves the lack of scalability in high volume manufacturing of optical devices. SPIO is Stacked Planar Integrated Optics, and the core technology is Nano Imprint Lithography [NIL] of micro-optics in polymer on glass wafers and stacking wafers together into a multi wafer stack, enabling parallel production and assembly of thousands of optical devices in one operation. SPIO is erasing 75% of the assembly work and due to parallel processing cutting cost on unit price. SPIO Systems is an OEM manufacturer that disrupt the way optics are produced to the future needs. www.spiosystems.com



Henrik Madsen (CEO) holds a master's degree in optics and mechanical engineering. He worked 10 years in Ibsen Photonics with R&D in diffractive optics and another 10 years in Kaleido Technology with product development and management in ultraprecision metal optics. Henrik established Millpond Optics as CTO and lately SPIO Systems with ambitions on building a new trendsetting micro-optics production platform **SPIO** running on the same wafer level revolution as the electronic chip ran on.



Swissmem Photonics Industry sector is a network for developers, manufacturers and providers of photonics and optics systems and their components 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. We are providing a platform for sharing experiences, organizing marketing activities and preparing industry-specific information. www.swissmem.ch



Selina Casutt (Managing Director) graduated in physics from ETH Zürich (2007) and holds a PhD in ultrafast laser physics (group of Prof. Ursula Keller, ETH Zürich, 2011). She then joined the photonics industry for 10 years, working in research and development as a project manager and team leader. Selina worked e.g. in product development of optical systems for endoscopic applications. As a result, she knows how to manage customer relationships for technical aspects and customizations and to provide appropriate innovative solutions. Since 2022, she is a Division Manager of Swissmem and she is the Managing Director of the Innovation Booster Photonics – an innovation funding instrument to foster science-based and sustainable radical innovation to help Swiss companies and organisations to discover novel solutions with user-centric methods and agile learning cycles.



SÜSS MicroOptics manufactures high-quality refractive and diffractive micro-optics on 200mm wafers for applications in automotive, photolithography, fiber optics, silicon photonics and more. Our production facilities in Neuchatel, Switzerland, exemplify excellence and our new volume production line imprints micro-optics for automotive lighting. Suss MicroOptics is ISO 9001:2015 and IATF 16949:2016 certified and is a subsidiary of Suss MicroTec SE. www.suss.ch



Reinhard Voelkel (CEO) 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), EPIC CEO Award 2022, Swiss Manufacturing Award 2021, Expert Innosuisse, member of several industrial, conference and company boards.



Switzerland Innovation Park Innovaare is currently creating a unique ecosystem and an ideal location for technology-driven companies. Our ecosystem will connect the high-tech industry with research and creates the best conditions by delivering access to knowledge and expertise, and research infrastructures such as laboratories, clean rooms, and vibration-controlled areas. Switzerland Innovation Park Innovaare is located directly next to the Paul Scherrer Institute PSI, a member of the ETH Domain and Switzerland's largest research institute for natural and engineering sciences. www.parkinnovaare.ch



Alexander Schavkan (Business Development Manager) is business development manager at Park Innovaare. With his extensive background in photonic research at large scale facilities and experience in consulting industry his is perfectly positioned to bring together industry and academia to enable innovation at Switzerland Innovation Park Innovaare. Alexander graduated in physics from TU Dresden and received his PhD at Hamburg University working as beamline scientist at DESY. After PhD Alexander took a Postdoc position at PTB in Berlin, where he worked on industrial norms and standards.



The Technology Innovation Institute (TII) is the leading global research center dedicated to pushing the frontiers of knowledge. The Technology Innovation Institute is part of the Abu Dhabi Government's Advanced Technology Research Council (ATRC), which oversees technology research in the emirate. www.tii.ae

Tampere University (TAU) was launched in January 2019 by the merger of Tampere University of Technology and the University of Tampere. TAU consists of seven faculties, about 4 200 staff, 281 professors, over 2 800 researchers and roughly 23 000 students. The university has an ambitious strategy called “Together for a sustainable world”, which emphasizes its role and responsibility in solving global problems. To this end, photonics has been defined as a core strategic research area at TAU. We unite complementary topics spanning from fundamental aspects in ultrafast- nonlinear- and quantum-optics, advanced photonic materials, photonic integration, laser technologies, to applications in sensing, spectroscopy, and medical technology. Our photonics community comprises about 150 researchers working in 11 research groups. We play a catalyst role at national level being the coordinator of the Flagship on Photonics Research and Innovation (PREIN), and of the national infrastructure photonics platform, FinnLight. Our infrastructure and related expertise are recognized at European level. Our comprehensive capabilities concerning molecular beam epitaxy and the development of III-V optoelectronic devices have a unique positioning in the European photonic technology ecosystem and have been the cradle of the dynamic laser industry in Tampere. www.tuni.fi



Mircea Guina (Professor of Optoelectronics & Entrepreneur) leads the Optoelectronics Research Centre group at Tampere University. He obtained the PhD degree from Tampere University of Technology in 2002. Since then, he has been a constant contributor to the advance of laser science and optoelectronic technology. His research is focused on technology topics in the field of molecular beam epitaxy and optoelectronics, including the development of novel semiconductor lasers, photonic integration, photovoltaics, and laser applications. He has published more than 260 journal papers, eight book chapters, and has an outstanding record in leading large-scale research projects extending from basic science to technology transfer. He is the recipient of an ERC Advanced Grant, a Fellow of the OSA, and a Fellow of SPIE. Prof. Guina is a renewed promotor of academic-driven entrepreneurship and strategic collaboration with industry. He is co-founder and Chairman of Vexlum Oy, Picophotonics Oy, and Reflektron Oy.



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 publics 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).



ThinkMade Engineering & Consulting Dr. Ruth Houbertz offers Consulting Services Technology and Knowledge Transfer, Sustainable Production, Processing and Photonics Technologies, Entrepreneurship along with Innovation and Disruption, and Matchmaking. Ruth has more than 33 years experience in interdisciplinary areas of physics and chemistry, and she held engineering and management positions in R&D and industry. She has founded of several startups, among which is Multiphoton Optics GmbH. She developed Multiphoton to a global renowned leader for prototyping and application development in photonics and biomedical industries, after having built the know-how for now 20 years to bring 3D Lithography to the cutting edge and to constantly building customer relationships. She has developed 3D Lithography to be used for waferscale, integrated photonics, and tooling for embossing processes, aside of its implementation in biomedical fields. Through her company ThinkMade Engineering & Consulting, she aims to provide services in photonics and biomedical as well as on hardware, also using her networks in different global photonics and microelectronic industries. Additionally, she offers Coaching of Entrepreneurs, Teams, and Individuals personally and professionally, and mentors persons after having them thoroughly selected. She also is willing to support her customers with Interim Management and Strategy Advice directly involved or in an advisory position in a Board.



Ruth Houbertz (CEO and Managing Director) is co-founder of Multiphoton Optics (MPO), which was founded in September 2013 as spin-off of the Fraunhofer ISC in Würzburg, Germany, and has been CEO and Managing Director since August 2014. She was CTO of MPO from 2013 to July 2014. From 2000 to 2012, she held different technical and management positions at Fraunhofer ISC, the latest were Head of the Optics & Electronics Unit and Senior Manager Photonics where she focused on material, process, and technology development, including equipment for photonic and biomedical applications. From 1999 to 2000, she worked at Sandia Nat.'l Labs, Livermore, CA (USA). She has invented more than 80 patents and has received many awards and nominations, amongst which are the following: Finalist in the Prism Award (2015), Cowin Award for Entrepreneurship (2014), Green Photonics Award 2013 (Optical Communication), Joseph von Fraunhofer Award 2007 (Optical data transfer in Printed-Circuit Boards), and the Stifterverbandspreis for Industrial Applications in 2002.

THOSS MEDIA

THOSS Media specializes in two fields: content marketing and scientific publishing. For content marketing THOSS Media has established a network of specialized writers and editors to create high quality content distribute it worldwide. In the field of scientific publishing THOSS Media has established the scientific journal Advanced Optical Technologies. Based on 16 years of publishing experience THOSS Media offers workshops for both, publishing companies and research scientists.
www.thoss-media.de



Andreas Thoss (Founder & CEO) is an expert in physics and publishing. He started his career as a development engineer for medical laser systems with Aesculap-Meditec in 1996. In 2003, he completed a physics doctorate at the Max-Born-Institute Berlin and joined the publishing house John Wiley & Sons. There, he edited and published books, journals and magazines. Among others, he co-founded the journals Laser Technik Journal (2004), Laser & Photonics Reviews (2007), and the Journal of Biophotonics (2008). In 2010, he started his own venture THOSS Media GmbH. Besides this, Andreas Thoss acts as Contributing Editor Germany for the leading American magazine Laser Focus World.



TOPTICA



TOPTICA (450 employees, 110 M€ turnover) develops and manufactures high-end laser systems for scientific and industrial applications. The portfolio includes diode lasers, ultrafast fiber lasers, terahertz systems and frequency combs. These systems are widely used in quantum optics and spectroscopy, biophotonics and microscopy, as well as test and measurement. 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 since 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.

TRUMPF



TRUMPF Photonic Components is a global technology leader, supplying VCSEL and photodiode solutions for consumer electronics, datacom, automotive, industrial sensing and heating markets. So far, more than two billion VCSEL chips and photodiodes have been shipped worldwide. The staff continues to drive its technological know-how, that has been established for over 20 years now in order to maintain its leadership position. The long-established technology was acquired by TRUMPF in 2019. The company has its headquarters in Ulm, Germany, with further sales locations in the Netherlands, China, Korea and the US. www.trumpf.com/s/VCSEL-solutions



Berthold Schmidt (CEO) 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. 2013 part of the TRUMPF group, starting as R&D coordinator for marking systems, and in 2015 took over as Head of Corporate Research for laser technology. Spending two years in New Jersey, USA, as CEO at TRUMPF Photonics Inc. from 2016 – 2018. 2017 took over role as CTO Laser Technology at the headquarter in Ditzingen, Germany. Since April 2020 CEO of TRUMPF Photonic Components GmbH in Ulm, Germany. Responsible for business development of VCSEL and photodiodes, including VCSEL-based heating systems. **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.



UNIVERSITY OF
EASTERN FINLAND



Center for Photonics Sciences (Formerly Institute of Photonics) combines all research and education in optics and photonics at the University of Eastern Finland UEF. Our multidiscipline center is a unique collection of professionals in biology, chemistry, information technology, physics and applied physics, with the roots of photonics being the major research field in physics starting over 50 years ago, when the University of Joensuu was founded. Today Center for Photonics Sciences forms a world's top-notch research environment. www.uef.fi/photonics



Jyrki Saarinen (Professor) holds D.Sc. (Tech.) degree from Helsinki University of Technology (TKK), now Aalto University, where he is Adjunct Professor of Micro-Optics. He also holds an MBA from TKK Executive School of Business. After co-founding and working at Heptagon over 15 years including living in Silicon Valley for 7 years, he got professorship on Photonics Applications and Commercialization at the University of Eastern Finland, where is he also Head of the Center for Photonics Sciences (formerly Institute of Photonics). He is also Deputy Director of Photonics Research and Innovation PREIN Flagship in Finland with main responsibility on economic growth and other societal impact. He is Fellow of Optica (formerly Optical Society of America OSA). He has also continued working as board member or advisor in several startups in photonics industry.



The University of Latvia is one of the well-known classical leading research universities in the Baltic States. The University offers 150 state-accredited academic and professional study programs and plenty of opportunities for scientific activities in various research institutes. The University of Latvia conducts research in more than 50 research areas. Scientists from the University of Latvia have developed significant studies that have contributed to the competitiveness of the national economy and the improved quality of life. www.lu.lv



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.

University of Massachusetts Amherst



The University of Massachusetts Amherst is a public research and land-grant university in Amherst, Massachusetts. It is the flagship campus of the University of Massachusetts system. UMass Amherst has an annual enrollment of approximately 1,300 faculty members and more than 30,000 students. www.umass.edu



The Research Group System and Circuit Technology of University Paderborn and Heinz Nixdorf Institute in Paderborn works on nano-/microelectronic ICs for communications and sensing applications. Research is specifically focused on high-speed IC design for broadband communications (up to more than 100 Gbps) and wireless communications and sensing (up to 300 GHz), Silicon Photonics IC design, and mixed analog-digital IC design. We have access to cutting-edge semiconductor technologies (nano-meter CMOS, SiGe BiCMOS, silicon photonics). Our broadband / RF measurement lab allows for S-parameter measurements up to 125 GHz and digital signal measurement up to more than 100 Gb/s. www.hni.uni-paderborn.de

USHIO

Applying Light to Life



USHIO Europe has, since 1964, earned a worldwide reputation as a specialist in industrial light sources, from ultraviolet to infrared and everything in between. Our products can be found in locations as diverse as your future smartphone or the BepiColombo Science Mission to Mercury. Whether it's by entertaining a cinema audience, simplifying any medical procedure while being doctor's right hand or disinfecting ballast water for cleaner seas, we are proud to contributing towards making people happier and healthier. Working in a wide range of industries for more than fifty years has given us a unique combination of experience and technical expertise. Everything we make is developed in response to a client's individual requirements. Our flexible production process allows us to provide tailor-made solutions that cover everything from a light source to systems and software.

www.ushio.eu



Ardan Fuessmann (Sales Director) joined Ushio Europe in the beginning of 2017. In his role as Sales Director Solid State Lighting - EMEA, Ardan is responsible for the Sales and Business Development within the Photonics Solutions 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.

VDI⁷

Technologiezentrum

VDI Technologiezentrum is a research company. As a 360° innovation service provider and a leading project management agency in Germany, we are dedicated to the topics and technologies of the future. Our topics are key technologies such as quantum technologies or materials, digitalization, mobility, security and education as well as health, sustainability and energy.

www.vditz.de



Markus Wilkens (Coordinator EU CSA) has more than 15 years' experience at the VDITZ in the set up and execution of innovation-oriented initiatives at the interface of research, industry and politics. He managed to grow the European Technology Platform Photonics21 from a 60-member interest group to a European organisation with today more than 3000 members representing 1700 photonics companies and research organizations. He is responsible for the managing the private side operations of the Horizon 2020 Photonics Public Private Partnership which was valued "best in class" by an independent expert group of the European Commission as part of the Horizon Europe mid-term review. Prior to that, he worked as a consultant for the Bayerische Landesbank, Munich, in the start-up technology financing. Markus Wilkens studied Biology and Engineering at the Freie Universität Berlin, Stanford University and University of Bremen.



VEXLUM provides high-power laser systems based on the vertical external-cavity surface-emitting laser (VECSEL) technology platform. We capitalize on vertical integration of leading expertise concerning the epitaxy of optoelectronic materials, advanced semiconductor processing, laser physics and laser engineering. Our in-house semiconductor fabrication technology combined with the efficient intracavity frequency-doubling enabled by the VECSEL architecture provides a broad wavelength coverage from UV to NIR. Vexlum's lasers deliver unique benefits in terms of cost and usability with the lowest SWaP-C parameter for single-frequency low-noise operation at watt-level output power. These features are instrumental for research and industrial scaling of quantum technology applications and are currently addressed by a dedicated product line: VALO SHG SF. Vexlum VECSEL platform is currently advancing towards a compact industrial form factor to enable volume deployment to spectroscopic, entertainment and medical applications. www.vexlum.com



Eero Koivumäki (Sales Engineer) has a Master of Science (Technology) degree in photonics, medical device R&D and technical sales from Tampere University. He has previously worked with medical laser systems, specializing in ophthalmic therapeutic laser devices. Eero recently joined Vexlum and is involved with sales and marketing activities of the company's VECSEL products.



Jussi-Pekka Penttinen (CEO & CTO) has a Master of Science (Technology) degree in photonics, electronics, and industrial management from Tampere University. Jussi-Pekka has been leading Vexlum as a high-technology entrepreneur since 2017, after co-founding the company. Before company career, he was developing Vexlum's core technology as a researcher in the Optoelectronics Research Centre (ORC) at Tampere University where the company then spun-off.



VIGO Ventures - shedding light on the future by investing in photonics. VIGO Ventures is an early-stage (pre-round A) investor for photonic and deep tech companies that brings hands-on business approach and possible follow-on investment up to € 10mln We have a global technology leader and an experienced private equity investment group backing us up. Our two strategic partners are VIGO Photonics and Warsaw Equity Group. VIGO Photonics - a world leader in high-tech solutions - the most advanced mid-infrared photonic detectors, modules dedicated to these detectors and semiconductor materials. Warsaw Equity Group - a privately held investment company with over 20 years track record of successfully supporting business ventures both by investing their own capital, as well as by providing ongoing operational and strategic support for active investment projects. www.vigo.ventures



Marek Kotelnicki (Managing Partner) is an active private investor in early-stage photonics and deep tech companies that loves to network and learn. Marek is a shareholder and member of the board in international technology companies. He is a juror and mentor in international technology events like MIT Innovators under 35, European Photonics Venture Forum, TechTour & TechTour Photonics, AdMaCom| INAM, Podim. Marek has more than ten years of experience in working with scientific projects from around the world. He advised hundreds of technology companies from over 40 countries on the subjects of technology commercialization, raising capital and business development. He graduated from two-cycle studies at the Warsaw School of Economics and scholarship holder at Ryukoku University in Japan. In 2012, Marek co-founded Internest, a creative and consultancy agency for the high-tech sector. In 2016, he co-founded and became President of the Center for Innovation and Technology Commercialization Foundation (CIKT) that organized the global campaign "Bringing tech&science closer to people" conducted under the auspices of UNESCO - with the reach of over 88 million people and 137 countries it was the first and the biggest digital event promoting tech&science projects. In 2015 and 2016, he scouted for Polish technologies and verified them for a TV documentary series ("Inventors of the future") made for Canal+ Discovery about Polish startups, scientists and innovators. Since 2018, he is the Managing Partner in VIGO Ventures that is an early-stage (pre round A) investor for photonic and deep tech companies that brings hands-on business approach and possible follow-on investment up to €10mln.



VIGO Photonics is a European manufacturer of semiconducting materials and instruments for photonic and microelectronic, specialized in MWIR and LWIR detectors and modules, produced with the use of internally-developed technology. The mission of VIGO Photonics is to provide fast and convenient, easy to use IR detectors at any wavelength from 2 to 16 μm , reaching fundamental BLIP limits without cryocooling. Modules are available with different spectral response ranges, time response characteristics and gains. VIGO Photonics has a complete front – end and back- end production line for semiconductor high capacity instruments – from epitaxy of II-VI and III-V groups, through detector chips, lasers and their assembly and integration with electronics. The company is constantly expanding its market reach and now has its subsidiaries in Taiwan and the USA. www.vigophotonics.com



Adam Piotrowski (President) is a graduate of Warsaw University of Technology in 2002 with a master's degree in electronics engineering. He also received a Ph.D. degree in technical sciences engineer at the Military University of Technology in 2008. He has worked at VIGO since 2002, he served as Specialist in MOCVD laboratory and Manager of MOCVD Lab. From 2008, Adam worked as Head of Detector's Department. In January 2015, he was appointed as a President of the Board and vice chairman of Polish Technological Platform on Photonics. In February 2018, he became the president of the Polish Technological Platform on Photonics. He is member of multiple advisory councils to EU, Polish and local government in the area of Quantum technologies, Photonics and smart specializations. He is the author of many publications on methods of manufacture and applications of infrared detectors. He is working with Polish photonics to establish a collaborative platform supporting transfer of innovation from science to industry and collaboration between photonics companies. One of such initiatives in the Academy of Photonics is conducting workshops on various important issues, such as, sales of photonics products, IP in photonics or resource sharing. **Adam Piotrowski is a member of the EPIC Board of Directors.**

VISION VENTURES



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.



VLC Photonics is a Spanish company, part of the Hitachi High-Tech group, devoted to providing services and solutions related to the development and introduction to market of systems based on photonic integrated circuits (PICs). Key focus areas are techno-economic feasibility studies and consultancy, in-house PIC design, characterization and test, and full PIC prototyping through external manufacturing and packaging/assembly partners. VLC Photonics, as a fabless design house, works with multiple foundries embracing the generic integration model, and makes use of these fabrication platforms to always chose the most suited process (Silicon-on-insulator, Silica/PLC, SiN/TripleX, InP/GaAs) for the application at hand. VLC Photonics also works closely with foundries to contribute in the building of their Process Design Kits (PDKs), which enables access to state of art technologies. www.vlcphotonics.com



Paulius Naujalis (Operations Manager) received an M.Sc degree in Physics of Vilnius University in Lithuania in 2014. With over 10 years of products introductions to market experience in Lithuania, UK and Spain, he has developed and commercialised components and subsystems for industrial, medical, space and defence applications leading multidisciplinary teams of software, mechanical, optical and electrical engineers for privately and European Union funded projects.



VTT Technical Research Centre of Finland is a non-profit government organization 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



Timo Aalto (Research Team Leader) has worked at VTT since 1997 with the primary research focus on silicon photonics. He received his M.Sc. and D.Sc. degrees in optoelectronics technology from the Helsinki University of Technology in 1998 and 2004, and the VTT Award in 2014 for ramping up silicon photonics business. He has authored ~100 journal, conference and workshop publications and one book chapter. He has also reviewed EU projects, journal articles and theses, and coordinated several large (M€) projects funded by either the public sector or industrial customers.



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.

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.



Politechnika Wroclawska



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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.



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.



Yelo, founded in 1983, specialise in the design and manufacture of burn-in and life test equipment for optoelectronic devices. With an experienced team of 50, Yelo has grown to become one of the industry's leading and most trusted names for burn-in equipment. The company is vertically integrated and possesses full design and manufacturing capabilities. One of Yelo's biggest strengths is its in-house mechanical design capability which looks after device fixturing and probing for many different types of devices (bare chip, laser bar, chip on carrier, chip on substrate and packaged devices). Another key strength is its Research and Development division which provides solutions for complex issues such as thermal management. By having early discussions in the design phase of a new photonics device, Yelo can advise a suitable approach needed to enable safe, repeatable device testing. www.yelo.co.uk



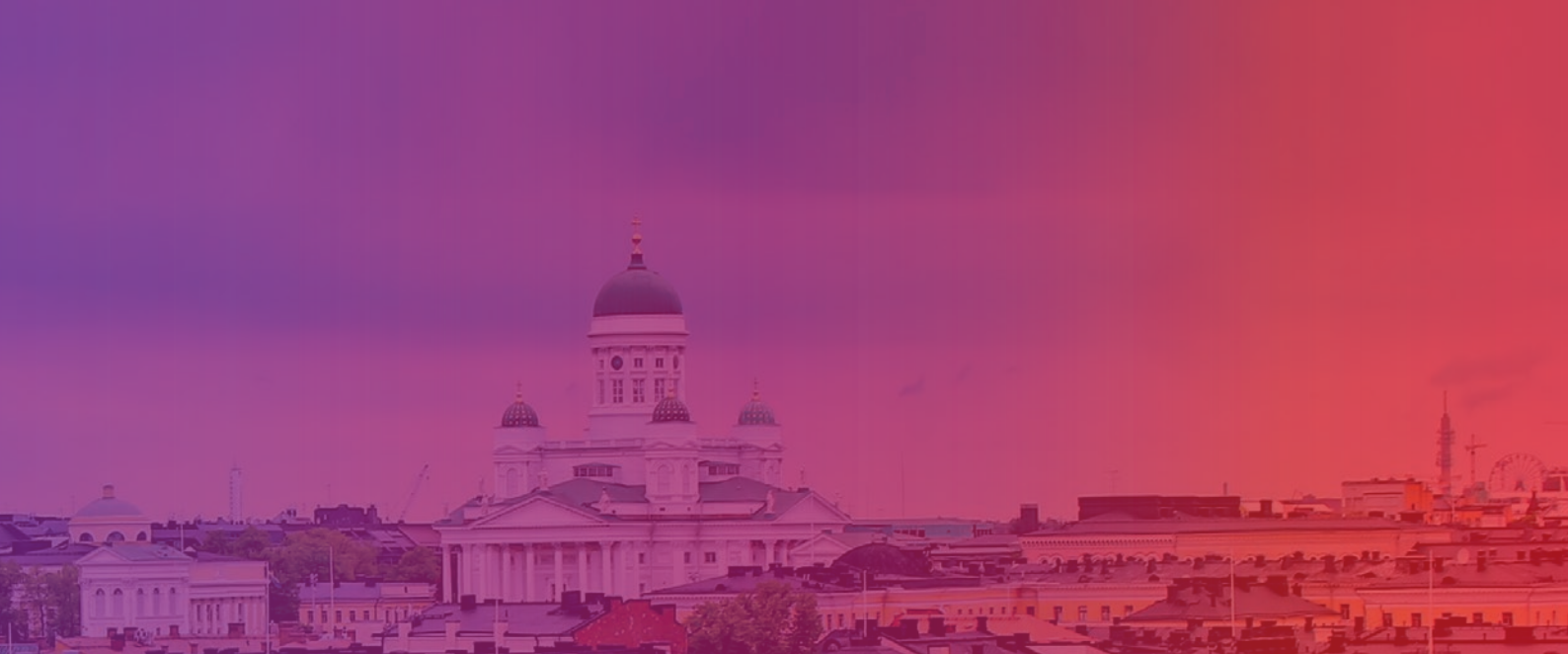
Richard Furey (CEO) is an Electronic Engineering graduate of Southampton University (1977) and is currently CEO of Yelo, a company that he co-founded in 1983. He has over 40 years of experience in test, including the design of general instrumentation, test system architecture and test systems for optoelectronic devices. In 2010, he led the management buyout of Yelo from its Canadian parent and is now responsible for corporate strategy as well as product development. He is a chartered engineer and a Fellow of the IET. He is active in the Northern Ireland Science Park where he is an EIR (Entrepreneur in Residence) and helps with the mentoring of start-up companies.



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