



EPIC ANNUAL REPORT 2006

TABLE OF CONTENT

Table of Contents	Page 2
Foreword	Page 3
Report from Secretary General	Page 4
Summary Balance Sheet	Page 5
New Members	Pages 6-7
EPIC Workshops, Presentations and Report in 2006	Pages 8-9
EPIC Participation in European Projects in 2006	Page 10
List of Members	Page 11

FOREWORD

It is a pleasure to write this foreword as the new President of your association. First, I would like to thank Bernd Schulte of Aixtron, for his excellent and dedicated work, having accepted the task of the first presidency from the foundation of EPIC in 2003 to the end of last year.

The first years of a new organisation are always critical and it has a significant challenge for the first President and the General Secretary of EPIC. The major achievements of this period are building EPIC to 70+ members and the creation of the Photonics²¹ technology platform. The number of members has risen by quickly showing the need for such an association, it is now still increasing at more than 20% per year. The strength of our membership has given the opportunity to EPIC to be a cornerstone of the foundation of Photonics²¹. Seven of the eleven members of Photonics²¹ executive board are EPIC members, and four out of the seven technology groups are led by EPIC members. I would like to thank all of our members who have contributed to the work of these groups, giving a strong industry and customer oriented flavour to the Strategic Research Agenda. This Agenda, "Toward a bright future" has been adopted by the European Commission for the content of the photonics part of the FP7 work program.

Now that we have a work program that fits our needs, the present objective is to profit from this Agenda by building a coherent set of very good proposals, which are retained for funding by the Commission. EPIC is your natural framework to achieve these results. I am confident it will happen, and I anticipate a high success-rate for EPIC members in the next call for proposals.

In addition to building and capitalizing on R&D opportunities, your EPIC association is working to bring benefits to its members in commercial areas like trade missions and marketing reports and networking events. We need your participation for the success of these initiatives. Photonics products made in Europe are sold all over the world. In 2005, our sector had a 75G€ global turnover enabling a 200G€ end product world-wide market. The ratio between these two figures shows the real and high added-value contributed by photonics components. Our industry revenues continue to grow at more than 15% per year. These figures support Photonics as a sector that generates high economic value, a sector where Europe must play a leading role.

EPIC is the best tool to achieve this goal.

Jean-François COUTRIS

President of EPIC
Vice President Managing Director,
Optronics and AirLand Systems, SAGEM DS

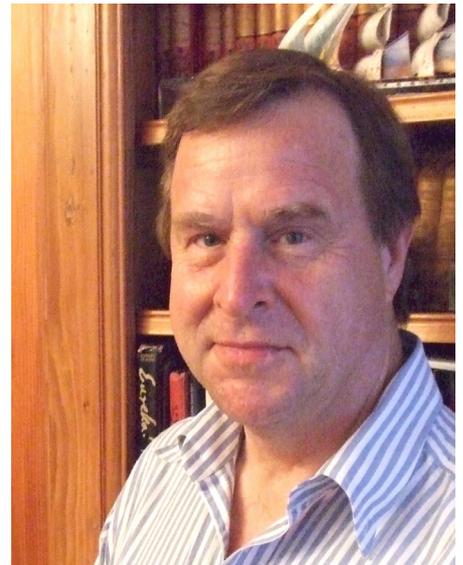
Photonics, a sector that generates high economic value where Europe must play a leading role



REPORT FROM SECRETARY GENERAL

During the past year, EPIC has made the transition from working to establish the Photonics Technology Platform to helping its members harvest the benefit from the platform. We urge all of our members to join the platform and to participate in the technology working groups. Platform members like you have been very effective at translating the Strategic Research Agenda 2006 into the Work Programme of the European Commission for 2007. With now over 700 members in this informal association, only the voices of the active participants will be heard. Keep up to date and informed about Platform activities because the next version of the Strategic Research Agenda must be delivered to the Commission by March 2008. This is less than one year away.

In 2006, EPIC developed a new logo, a new website and a new strategy that emphasizes bringing value and benefits to its members in three different areas:



Thomas P. Pearsall,
EPIC Secretary General



EPIC helps its members access R&D resources. In 2006, twelve of our members participated in and profited from projects organised by EPIC (OPERA-2015, MONA, and ACCORD). These included industry giants like ASML and Sagem, small companies like Perfos, and universities like HE-ARC in Switzerland and the Wroclaw University of Technology in Poland. This effort brought more than 300 000 euros in direct benefits to participating members in 2006.

In 2007 EPIC is adding new activities in line with our strategy, which we have mailed to all members. This year EPIC is organising a proposal for the evaluation of fiber laser components and systems. We welcome the participation of all interested EPIC members. EPIC has signed a cooperation agreement with the Institute of Physics in the UK to produce market intelligence for European companies. EPIC is organising exhibition stands for its members at major trade shows and customer networking for members. In 2006 EPIC carried out missions to Taiwan and Korea resulting in two intelligence reports and profitable contacts for some of our members.

*EPIC is your association
and we are here to help you
build your photonics business*

Some of our most effective actions are the response to suggestions from our members. Please send us your ideas, and let us know your needs as often as you would like. EPIC is your association, and we are here to help you build your photonics business.

Summary Balance Sheet



ASSETS

	2005	2006
Cash	55 483	70 246
Charges paid in advance		1 252
Membership fees receivable	30 114	14 500
Fixed Assets	504	2 640
Total Assets	86 101	88 638

LIABILITIES

	2005	2006
Accounts payable	1 408	1 772
Social charges payable	35 217	49 197
Retained earnings	40 226	22 937
Income paid in advance	9 250	14 732
Total liabilities	86 101	88 638

INCOME

	2005	2006
Annual Membership Fees	185 054	200 017
European Programmes participation	94 546	112 850
Sale of services		1 626
Total Revenues	279 600	314 493

EXPENSES

	2005	2006
Operational costs	120 453	134 044
Taxes	5 551	9 689
Salaries	94 399	124 266
Social Charges	33 681	63 038
Financial expenses	53	
Provision for depreciation	247	756
Total Expenses	254 384	331 793

NEW MEMBERS

A warm welcome to our new members
EPIC continues to recruit new members. Sixteen European companies and research laboratories have joined EPIC during the last year.



BOSCH

Robert Bosch GmbH - *Electronics*
Stuttgart, Germany

Jean-François Longchamp
jean-francois.longchamp@ch.bosch.com
Ulrich Kallmann
Ulrich.kallmann@de.bosch.com

Eolite Systems - *Fiber Lasers*
Pessac, France

François Salin
Vice President
francois.salin@eolite.com

Ericsson - *Microelectronics*
Genoa, Italy
Coventry, UK

Alfredo Viglienzoni
Head of Photonics Development
Alfredo.Viglienzoni@ericsson.com

Bimal Nayar
Manager Photonic Design
bimal.nayar@ericsson.com

Exalos - *Superluminescent Diodes*
Schlieren, Switzerland

Christian Vélez
CEO
velez@exalos.com

ficonTEC - *Advanced Packaging & Test
Equipment for Photonic Systems*
Bremen, Germany

Torsten Vahrenkamp
CEO
Vahrenkamp@ficontec.com

Imagine Optic -
Sensing equipment & adaptive optics
Orsay, France

Samuel Bucourt
President & CEO
sbucourt@imagine-optic.com

Innolume - *Quantum-dot Lasers*
Dortmund, Germany

Guido Vogel
Business Development Manager
guido.vogel@innolume.com

Liekki Corporation - *Nanoparticle Fiber*
Lohja, Finland

Per Stenius
Chief Executive Officer
per.stenius@liekki.com



Obducat - *Micro- & nanotechnology Systems*
Malmö, Sweden

Ulf G. Andersson
VP Business Development
ulf.andersson@obducat.com



SPI Lasers - *Fibre Lasers*
Southampton, UK

Malcolm Varnham
VP Intellectual Property
Malcolm.Varnham@spilasers.com



Quantel - *Solid-State Lasers*
Les Ulis, France

Philippe Aubourg
Sales Manager
aubourg@quantel.fr



Technology Centre Hermia -
Photonics Industry Development
Tampere, Finland

Pekka Savolainen
Manager Laser Competence Centre Finland
pekka.savolainen@hermia.fi



Scuola Superiore Sant'Anna (CNIT) -
Education & Research
Pisa, Italy

Giancarlo Prati
Executive Vice President
prati@sssup.it



3S Photonics -
Optical Communications Components
Nozay, France

Didier Sauvage
COO
dsauvage@3Sphotonics.com



Sifam Fibre Optics - *Fibre Optic Solutions*
Torquay, UK

Andrew Robertson
VP Technology & Business Development
arobertson@sifamfo.com



University of Naples - *Education & Research*
Naples, Italy

Andrea Irace
Associate Professor
a.irace@unina.it

EPIC Workshops, Presentations and Reports in 2006

Six CD-Roms have been produced and distributed in 2006 including presentations, reports and pictures on following events:

Presentation and Consultation with Dow-Corning Venture Business Board

Wiesbaden, Germany,
24 January 2006

DOW CORNING

Presentation and Consultation at Philips Global Outlook Meeting

Eindhoven, the Netherlands,
3 February 2006

PHILIPS

Presentation of the Roadmap for Photonics in the Automobile

Photonics Europe
Strasbourg, France,
7 April 2006



OPERA Forum on FP-7 and the Launch of the Photonics Platform Strategic Research Agenda

Photonics Europe, Strasbourg, France,
4 April 2006



in cooperation with



EPIC – Taiwan Exchange on Nanotechnologies and Nanophotonics

Taipei and Hsinchu, Taiwan,
18 -27 April 2006

EPIC and the Photonics²¹ Platform at the National Research Council of Canada

Ottawa, Canada, 2 June 2006



Workshop on Photonic Components for Broadband Communications

Stockholm, Sweden, 27-29 June 2006

in cooperation with



Manufacturing Photonic Components: Do We Need it in Europe?

ECOC 2006, Cannes,
France,
24 September 2006

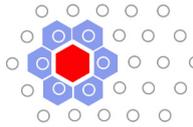


Symposium on the Photonics Technology Platform

Wroclaw, Poland, 12-14 October 2006



Wrocław University of Technology

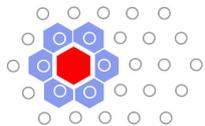


MONA
Merging Optics & Nanotechnologies



EPIC – The MONA Project Plenary presentation at Korea exchange on Nanotechnologies and Nanophotonics

Gyeongju, Pohang, Daejeon, and Seoul, Korea, 20-28 October 2006



MONA
Merging Optics & Nanotechnologies

EPIC Website

During 2006 EPIC has realised a total renewal of its website. In addition to a modern new design the content of the website has been totally renewed and updated taking into account the EPIC strategy for the coming years.

The members' area has been particularly improved with additional sections such as an access to funding section or an information section about patents worldwide.

The screenshot shows the EPIC website interface. On the left is a navigation menu with links for Application, Members Area, About EPIC, EPIC Organization, EPIC Programme Actions, Benefits for Members, Workshops, Publications, Photonics-21, EPIC Partners, EPIC Newsletter, and Membership Application. The main content area features a banner for the 'EPIC/SPICE Europe Workshop: Manufacturing LEDs for Lighting and Displays' held in Berlin, Germany, on September 10-11, 2007. Below the banner is a list of topics for the workshop: Packaging, Light Extraction, Color Rendering, Reliability, and Device Lifetime. To the right, there is a 'News' section with several articles, including 'Launch of the 35 PHOTONICS company', 'Avanex Corporation, a pioneer in intelligent photonic solutions...', 'INSIDE VIEW: Local thinking paves the way for taking research to market', 'Francois Salin, COLTE Chief Operating Officer published an article on OPTICS ONLINE on how problematic commercializing university research can be', 'SUS Microtec unveils the KASSETT', 'KASSETT is a New High Accuracy Placement and Bonding System for R&D especially configured for R&D laboratories, universities and pre-production environments', and 'LIEKI Announces LIEKI Application Designer v3.3'. The bottom of the page includes an 'EPIC Upcoming Workshop' section and an 'About EPIC' section.

Market & Technology Reports for EPIC Members

In April 2006 the report on "Laser Applications in Europe" was published by Kienbaum Management Consultants based on the outcomes of the Workshop on Laser Applications in Europe which took place in November 2005 in Dresden, Germany. The report is now on sale for 1300€.



The Workshop on components for Broadband generated the report "European Manufacturing of Photonic Components for Broadband Communication" which was published by Strategies Unlimited and distributed to all EPIC Members in September 2006. The report is now on sale from Strategies Unlimited for \$950.



EPIC Participation in European Projects in 2006

Photonics Technology Platform

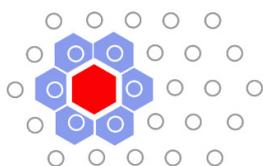
EPIC has been instrumental in the creation of the Photonics Technology Platform with following objectives:

- Bring together all interested stakeholders to develop a long-term vision
- Members create a coherent, dynamic strategy to achieve that vision
- Members steer the implementation of an action plan to deliver agreed programmes of activities
- The Strategic Research Agenda forms a crucial part of the implementation strategy, to optimise the contribution of RTD to the process

MONA: Merging Optics and Nanotechnologies

The MONA project is dedicated to the development of a European roadmap for photonics and nanotechnologies. EPIC contributed to the organisation of a workshop at Photonics Europe in Strasbourg (April), a symposium and a workshop in Grenoble (November) and a workshop in San Jose (January 2007).

In 2006, EPIC took the MONA project to the far-East, visiting Taiwan in April and Korea in October. EPIC presented the MONA project in both plenary presentations and in seminars. EPIC achieved its principal objective to involve the nanotechnology community in both Taiwan and Korea in the MONA roadmapping process, as well as stimulating similar efforts at the national level in both countries.



MONA
Merging Optics & Nanotechnologies

OPERA-2015: Optics and Photonics in the European Research Area

The main objective of OPERA-2015 is to provide support for the Photonics Technology Platform and to develop and implement a joint strategy for research and industry. The launch of the SRA took place in Strasbourg, in April 2006. EPIC organised two symposia in 2006: one at Photonics Europe in Strasbourg in April and the other in Wroclaw in October.



ACCORD: Advanced Components Cooperation for Optoelectronics Research and Development

In the autumn of 2006, EPIC inaugurated a programme for components exchange between industry and university. The Accord program purchases prototype components from companies and gives them to universities who propose a R&D project based on these prototypes.



The Accord program is the first of its kind in Europe. It helps to provide a pre-commercial market for new components, particularly valuable for SMEs, and creates links between companies and universities that may lead to job opportunities for students and possible future R&D collaborations.

The first call for university proposals has been completed in May 2007. There will be a 2nd call in September 2007 for proposals.
www.ist-accord.org

Members

Aixtron Thin-Film Deposition Equipment	Ericsson Microelectronics	Institute of Photonics University Durham Education and Research	Robert Bosch GmbH Electronics
Alcatel- Thales III-V Laboratory Telecommunication & Defence	ESKO Graphics Graphics Reproduction and Display	INTEC Department of Information Technology Education and Research	Rohm and Haas Specialty Optical Materials
ALSI Laser Separation and Dicing	Exalos Superluminescent Diodes	IQE Epitaxial Thin Film Fabrication	SAES Getters Photonics Components and Materials
ASML Special Applications Advanced Optical Lithography	FiconTEC Advanced Packaging & Test Equipment for Photonic Sys- tems	Jenoptik Diode Lab Optoelectronic Semiconduct. Components	Sagem Défense Sécurité Defence, Space and Aeronautics
Audi Automotive Lighting	France Telecom R&D Telecommunications	Kista Photonics Research Center Microphotonics Technologies	Saint Gobain Recherche Specialty Optical Materials
Barco Display Manufacturing	Fraunhofer Institute for Ap- plied Optics and Engineering Precision Optical Coatings	Laser Diagnostic Instruments Lasers	Scuola Superiore Sant'Anna Education & Research
Bookham Technology Optical Communications Components	Fraunhofer Institute for Laser Technology Laser Sources and Applications	Liekki Nanoparticle Fiber	Sifam Fibre Optics Fibre Optic Solutions
Cambridge Display Technology Optoelectronic Polymer Technology	Fraunhofer Institute for Mate- rial and Beam Technology Laser Materials and Surface Processing	Mario Boella Institute / Politecnico de Torino Education and Research	Spectra Physics Laser Sources and Applications
CEA-LETI Microphotonics Technology Development	Fraunhofer Institute for Reli- ability and Microintegration Photonics Packaging	Merge Optics Compact Photonic Modules	SÜSS Microtec Component Fabrication and Packaging
Cedova Optoelectronic Device Fabrication	German Aerospace Center Project Funding and Manage- ment	Microelectronics Institute of Barcelona (Imb-CNM, CSIC) Education and Research	3S Photonics Optical Communications Components
CEIT Education and Research	G.L.I. Global Light Solid-State Lighting Modules	Obducat Micro- and nanotechnology Systems	Technical University of Berlin Education and Research
Centre for Nanophotonics FOM Nanophotonic Technologies	Haute Ecole ARC Ingénierie Education and Research	OpticsValley Photonics Industry Development	Time-Bandwidth Products Laser Sources and Applications
Centre for Nanotechnology, Micro and Photonic Systems Microphotonics and Biophotonics	Heinrich Hertz Institute Technology for Communications	Osram Opto Semiconductors Solid-State Lighting	TopGaN Laser Diodes
Chalmers University of Technology Education and Research	Hermia Technology Centre Photonics Industry Development	Perfos Specialty Optical Fiber Technologies	Umicore Semiconductor Substrates
Dow-Corning Photonics Materials & Custom Services	ICFO – Institut de Ciencies Fotoniques Education and Research	Philips Lighting Solid-State Lighting	University of Naples "Federico II" Education and Research
Edmund Optics Passive Optical Components	Imagine Optic Sensing equipment & adaptive optics	PicoGiga International Solid-State Lighting	u2t Photonics Optical Communications Com- ponents
Eolite Systems Fiber Laser	Innolume Quantum-dot Lasers	ProLas Laser Material Processing	Vigo System Sensors
	INSA-Lyon Education and Research	Quantel Solid-State Lasers	Wroclaw University of Technology Education and Research

Contact

Web: <http://www.epic-assoc.com>

Address:

17 rue Hamelin

75016 Paris, France

Phone / Fax: +33 1 45 05 72 63

Your contacts:

Thomas P. Pearsall, General Secretary

Email: Pearsall@epic-assoc.com

Martine Keim-Paray

Email: keim-paray@epic-assoc.com