



Photonics
EUROPE
An **SPIE Europe** Event

Exhibition: 4–6 April 2006 • Conference: 3–7 April 2006
Palais de la Musique et des Congrès, Strasbourg, France

Driving the future
of European optics
and photonics
commercialisation.



SPIE Europe



Photonics EUROPE®

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Exhibition: 4–6 April 2006

Conferences: 3–7 April 2006

Palais de la Musique et des Congrès, Strasbourg, France

*Driving the future of European optics
and photonics commercialisation.*

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ECOC – European Conference and
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Image Analysis & Stereology

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Laser Focus World

Laser Technik Journal

Military & Aerospace Electronics

Nanotechnology in Northern Europe

Opto and Laser Europe

OptoIndex

Photonics Cluster IPOT

Photonics Online

Photonics Spectra

Photonik

Photonique

Photonex

The European Physical Journal-
Applied Physics

Vision

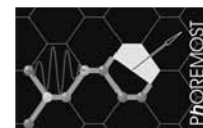
Cooperating Organisations



COST is supported by the
EU Framework Programme



ESF provides and manages
the scientific and technical
secretariat for COST



Società Italiana di
Ottica e Fotonica

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Exhibition Hours

*Palais de la Musique et des Congrès
Espace d'Arp and Contades*

Tuesday	10.00 to 17.00
Wednesday	10.00 to 17.00
Thursday	10.00 to 16.00

SPIE Europe

Building a Better World with Light

SPIE—The International Society for Optical Engineering is dedicated to advancing scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies through its meetings, education programmes, and publications.

Exhibitor Stand Listing

III Vs Review - Elsevier	#1604	Light Tec	#1210
A.R.T. Photonics GmbH	#120	LightConversion	#211
AFOP - French Optics and Photonics Manufacturers Association	#1300	LightTrans GmbH	#311
AHF analysentechnik AG	#608	LINOS Photonics France	#303
Alsace International	#1408	LOT-Oriel	#1002
ATI Optique	#316	Lumera Laser GmbH	#510
Avantes BV	#302	Lyncée Tec SA	#115
Ayase Europe GmbH	#704	M.C.S.E.	#1302
Becker & Hickl GmbH	#206	Melles Griot Industrie	#702
BFI Optilas International	#400	Miass Machinebuilding Plant	#909
Boehringer Ingelheim MicroParts GmbH	#700	MICOS GmbH	#1100
Breault Research Organization	#1007	Microcertec	#1308
Calcarb Ltd.	#107	Multiwave Photonics	#904
Carl Hanser Verlag	#803	Nalux Co., Ltd.	#906
CEDRAT Technologies	#416	Nanotechnology in Northern Europe Congress & Exhibition	#1602
CeramOptec GmbH	#309	Nature Publishing Group	#1102
Chroma Technology Corp	#308	Newport Spectra-Physics	#300
Communauté Urbaine de Strasbourg	1410	Nozomi Photonics	#402
Conseil General du Bas-Rhin	#1406	NP Photonics	#304
Cristal Laser SA	#1211	NT MDT Co.	#1005
CVI Technical Optics Ltd.	#706	Nuvonyx Europe SA	#815
Davin Optronics Ltd.	#504	Ocean Optics B.V.	#500
Dow Corning Corp	#109	OFS Fitel Specialty Photonics Div.	#316
ECOC 2006	#113	OLLA Project	#EPIV2
Edinburgh Instruments Ltd	#208	Omega Optical, Inc.	#201
EDP Sciences	#1001	OPERA-2015	#807
EKSPLA Ltd.	#211	OpTIC Technium	#506
Electro Optics Magazine	#412	OpticsPages	#111
Electron Tubes	#410	Optima Research Ltd.	#1201
EPIXNET	#EPIV3	Opto & Laser Europe	#310
Epner Technology, Inc.	#1006	Opton Laser International	#1303
European Network of Excellence in Micro-Optics	#EPIV1	Optronis GmbH	#301
European Optical Society (EOS)	#409	OWIS GmbH	#508
Fischer Connectors Sarl	#1111	OZ Optics Ltd.	#312
Flexible Optical BV	#210	PCO AG	#514
FLIR Systems Ltd.	#515	PhoeniX Software	#1106
Fogale Nanotech	#1205	PHOREMOST	#EPIV4
FRAMOS Electronic Vertriebs GmbH	#1200	Photon Design	#1003
Fujian CASTECH Crystals, Inc.	#122	Photonic Cleaning Technologies	#902
Gilden Photonics Ltd	#901	Photonics Cluster (UK)	#405
GWU-Lasertechnik GmbH	#122	Photonics Spectra / EuroPhotonics	#509
Hamamatsu Photonics France	#413	Photonis-DEP	#512
HC Photonics Corp.	#122	Physik Instrumente (PI) GmbH & Co.	#404
HGH Systèmes Infrarouges	#1304	Piezosystem Jena, Inc.	#508
HTDS—Hi-Tech Detection Systems	#1103	Polymicro Technologies LLC	#306
Horiba Jobin Yvon SAS	#1208	Pyser-SGI Ltd.	#407
id Quantique SA	#206	Quantel	#507
Image Analysis & Stereology	#1600	Raicol Crystals Ltd.	#502
Imagine Optic	#1209	Resolve Optics Ltd.	#401
Keopsys	#305	Rhenaphotonics Alsace	#1412
Laser Components GmbH	#314	RSoft Design Group	#516
Laser Focus World	#209	SAES Getters S.p.A.	#124
LEDIL	#212	Sanko Gosei Ltd.	#908
Leoni Fiber Optics GmbH	#307	Santec Europe Ltd.	#910
Light Guide Optics Germany GmbH	#511	SEDI Fibres Optiques	#316
		Shimadzu France	#313
		Sill Optics GmbH & Co., KG	#317
		SIOF-Italian Society of Optics and Photonics	#411
		SIOS Messtechnik GmbH	#508
		Specim Spectral Imaging Ltd.	#903
		SphereOptics GmbH	#214

SPIE Europe would like to thank the following sponsors for their generous support of Photonics Europe 2006

Exhibitor Reception


Stand #412
www.europascience.com

Tuesday Coffee Breaks


Photon is our business
Stand #413
www.hamamatsu.fr

Lanyards


Stand #1003
www.photond.com

Registration Inserts


Stand #516
www.rsftdesign.com

Attendee Pens


Stand #1109
www.wickedlasers.com

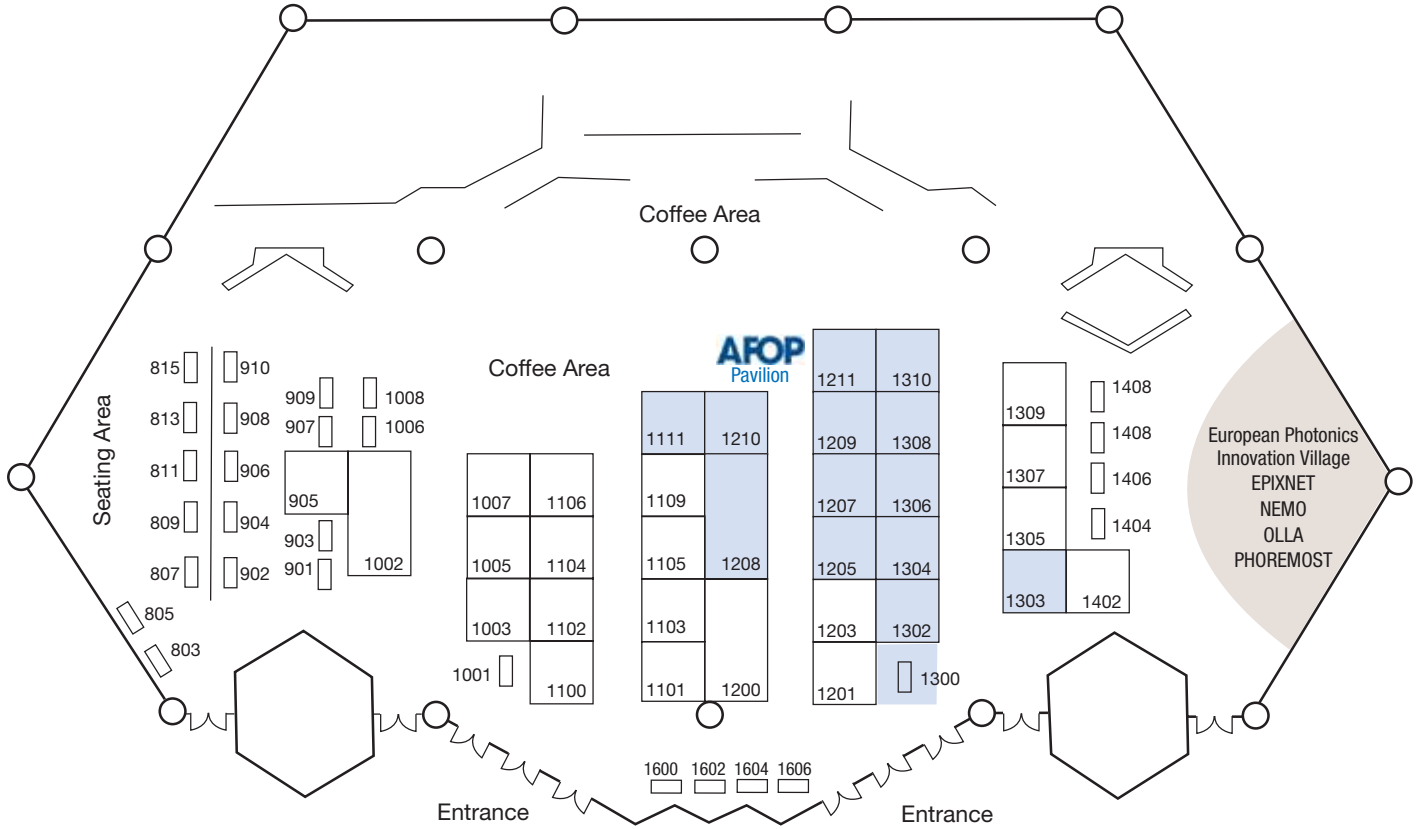
General Refreshments


Stand #901
www.gildenphotonics.com

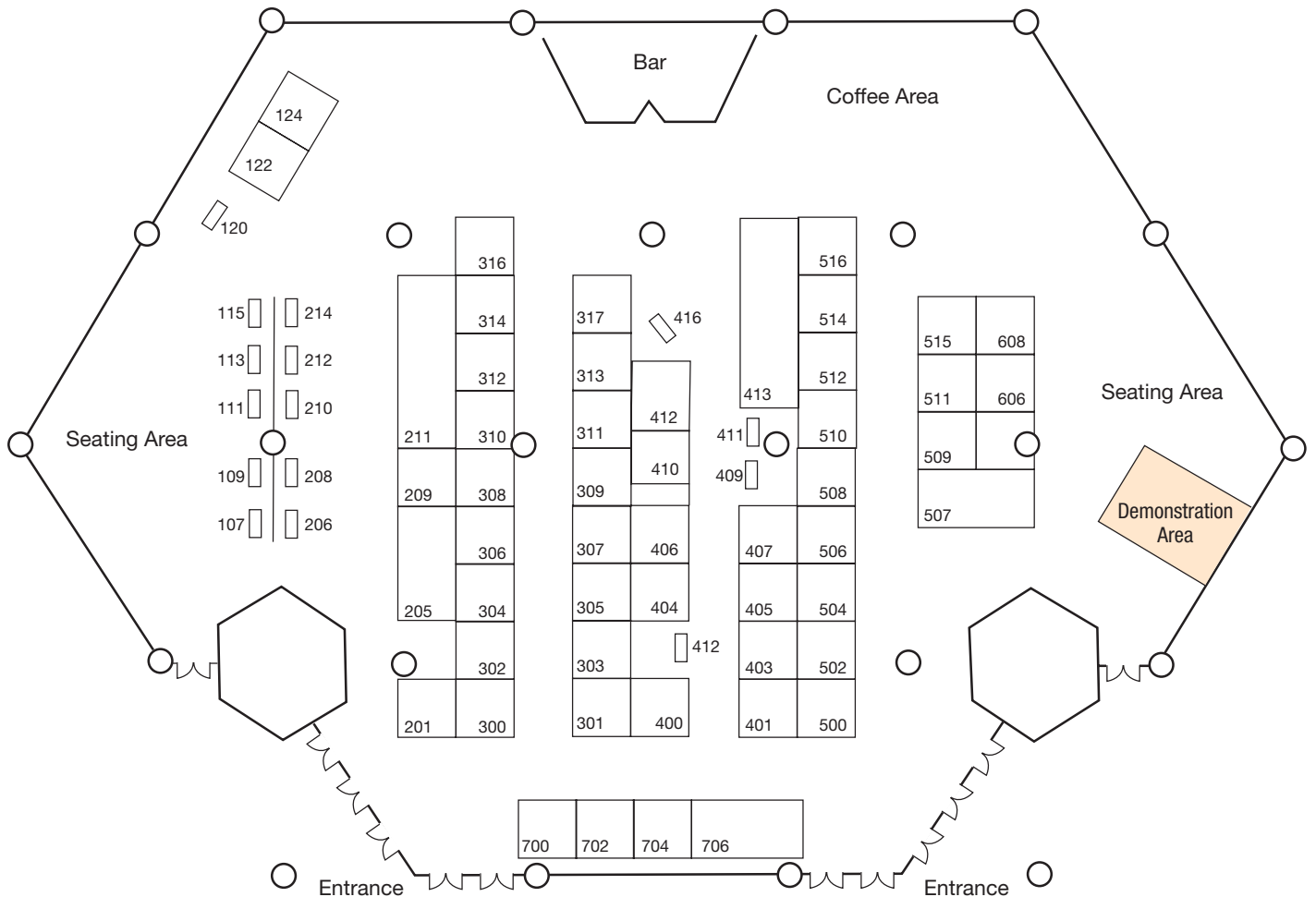

Stand #903
www.specim.fi

spieworks.com	#907	TRANSLUX	#1207
Spiricon, Inc.	#406	Trioptics France	#508
Taylor & Francis	#606	ULIS	#1302
Taylor Hobson	#1306	ViALUX GmbH	#205
Texas Instruments DLP Products	#205	Vision 2006	#805
Thales Laser SA	#1008	Vision Systems Design	#209
Thermoteknix Systems Ltd.	#1309	Wicked Lasers	#1109
TOPAG Lasertechnik GmbH	#1101	Wiley-VCH GmbH & Co. KGaA	#1207
TopGaN	#1104	Wordingham Technologies	#403
		Xiton Photonics GmbH	#122

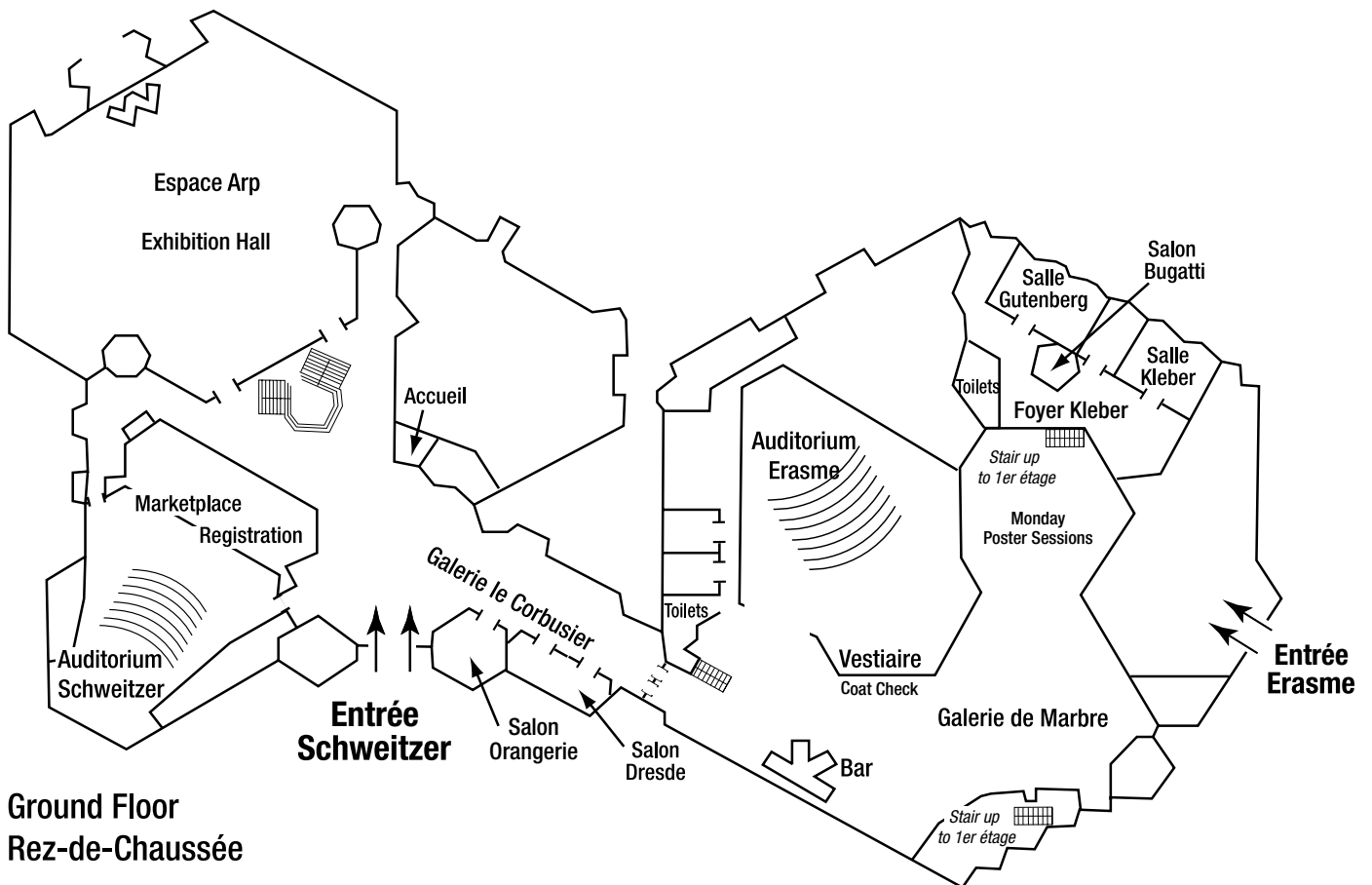
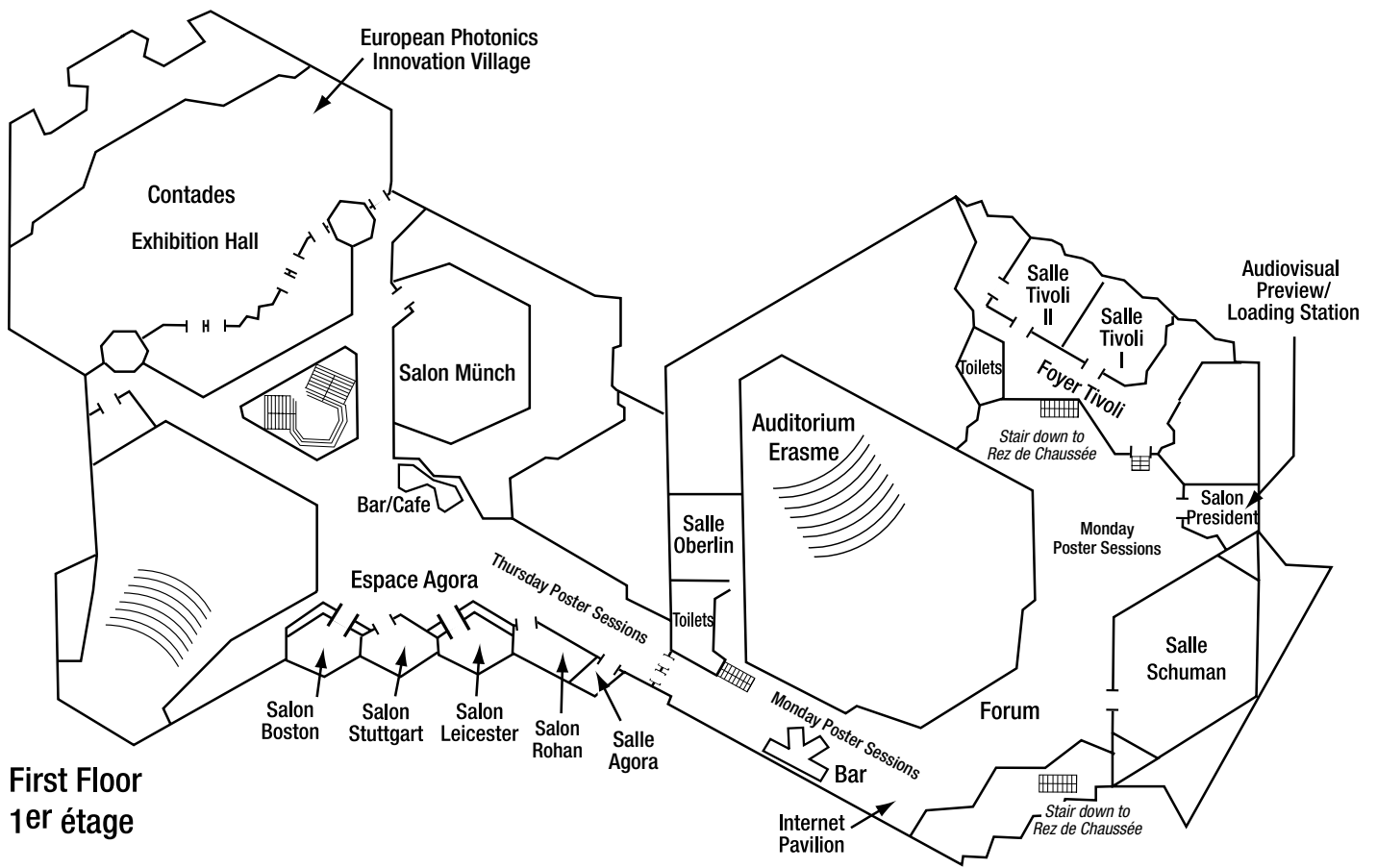
Contades Hall, First Floor



Espace Arp Hall, Ground Floor



Palais de la Musique et des Congrès



Women in Optics Presentation and Reception

Open to all symposium attendees. Please register at the onsite registration desk for this event. Attendance is free.

Room: Rohan

Wednesday 17.30 to 19.30

17.30 Networking Reception



18.00 to 19.00

Join SPIE Fellow **Prof Maria Yzuel** as she discusses her work and career in optics. Yzuel is a member of the Royal Academy of Sciences and Arts of Barcelona, and a former member of the board of Directors of SPIE.

Sponsored by



19.00 to 19.30

“Ambition without future”, Elke van den Brandt, NEMO This talk presents the preliminary results of an international comparative study addressing the issue: why do women leave their research career? A very lively, entertaining and sometimes funny talk about the situation of Women in Optics in Europe.

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collocated meetings!

11-15 September 2006
Stockholm, Sweden

Remote Sensing

An SPIE Europe Event

OPTICS/PHOTONICS in SECURITY & DEFENCE

An SPIE Europe Event



SPIE Europe

Conferences • Courses • Exhibition

spie.org/events/europe

New!

Industry Programme at Photonics Europe

SPIE Europe recognizes the unique high tech R&D and business environment that exists in Europe today and the critical need to drive commercialization. The Photonics Europe symposium addresses this unique atmosphere and is specially designed to provide attendees with content that bridges research and industry and which can be directly applied to real-world problems. This content is provided to you throughout this Symposium in several ways:

- through research papers presented in the conference programme
- through industry content provided throughout the week in a new Photonics Industry Programme
- through business interaction with leading optics and photonics companies in the exhibition,
- through courses and workshops for professional development
- through networking at special events.

If you are not planning on attending the full technical conference (“Symposium Registration” choice on the registration form) programme with associated presentations on scientific discoveries and technology achievements, but prefer a focus on industry, we invite you to register for this special “virtual” Photonics Europe Industry Programme. This Industry Programme is also included in the full Symposium Registration fee.

The €210 registration for the entire Industry Programme provides you with access to these exciting forums and conferences throughout the week at Photonics Europe. See SPIE Cashier to register for the Industry Programme. Please note, if you are registering for the technical Symposium, the Industry Programme is included with your fees.

OPERA Forum on FP-7 and the Photonics²¹ Technology Platform

The OPERA forum is free to and open to everyone; a Symposium badge, Industry Programme, or Exhibition-Only badge is required for admission.



Salle Rohan

Tuesday 13:30 to 17:00

Many key Europeans from academia, research labs, SMEs and major industries have collaborated to write a strategic vision document for photonics in FP-7: Photonics for the 21st Century. This vision paper is the foundation for a Photonics Technology Platform.

Now, at Photonics Europe 2006, we invite the entire European Photonics Community to learn the results of the latest developments in this area and to provide further input to the Technology Platform. Topics that are being considered for the Platform include:

- Communications and Information
- Display and Lighting
- Laser-assisted Manufacturing and Machine Vision
- Life Sciences and Health
- Metrology and Sensors
- Design and Manufacturing of Components and Systems
- Education, Research and Training in Photonics

Presentations that represent a vision for the next decade of developments in photonics will be given by a group of distinguished speakers who have been invited for this occasion.

The main objective of OPERA 2015 is to provide support for the Photonics Technology Platform and its actions.

Technical Programme Committee: **Kevin Donnelly**, Enterprise Ireland, Dublin, Ireland; **Eva Garcia**, IdeTra SA, Madrid, Spain; **Tom Glynn**, National Centre for Laser Applications, Galway, Ireland; **James O’Gorman**, Eblana Photonics Ltd., Dublin, Ireland; **Thomas P. Pearsall**, EPIC, Paris, France; **Jorge Julián Sanchez**, SDG-TECEN, Madrid, Spain; **Juan Luis Vadillo**, Aragón Photonics Labs S.L., Zaragoza,

Invited Speakers:

- 13.30 Introduction, **Thomas P. Pearsall**, EPIC, France
- 13.40 Commission, **Dirk Beernaert** IST, EC, Brussels, Belgium
- 14.00 Photonics²¹, **Bernd Schulte**, AIXTRON, Aachen, Germany
- 14.20 Information and Communication, **John Oberstar**, Cisco Systems, San Jose, CA, USA
- 14.40 Laser-assisted Manufacturing and Machine Vision, **Koji Sugioka**, RIKEN-The Institute of Physical and Chemical Research, Wako-Shi (Saitama-Ken), Japan
- 15.00 Coffee Break
- 15.15 Life Sciences and Health, **Sune Svanberg**, Lunds Universitet, Lund, Sweden
- 15.35 Lighting and Displays, **Bernhard Stapp**, Osram Optical Semiconductors GmbH, Regensburg, Germany
- 15.55 Metrology and Sensors, **Germán Vergara**, Centro de Investigación y Desarrollo de la Armada (CIDA), Madrid, Spain
- 16.15 Design and Manufacture of Components, **James O’Gorman**, Eblana Photonics Ltd, Dublin, Ireland
- 16.35 Educational Issues in Research and Training in Photonics, **Marc Nantel**, Photonics Research Ontario, Toronto, ON, Canada

Industry Applications: Specialist Optical Coatings Forum

The Coatings Forum requires an Industry Programme or Symposium registration badge for admission.



Salle Rohan

Wednesday 10.00 to 12.45

Recent advances in optical coatings technology has seen the increased adoption and application of coatings and finishes within key sectors of aerospace, automotive, medical healthcare as well as other high specification technology engineering. The forum will provide a detailed exploration of the subject and introduce specific industry applications through the speakers own experiences. This forum is intended for anyone having to specify or integrate coatings into their product or activity. It will provide decision-makers with an overview of the latest developments from leading European researchers and corporate leaders in companies and organizations in this field.

- 10.00 **Introduction**
Glenn Barrowman, Photonics Cluster (United Kingdom); **Tom Pearsall**, European Photonics Industry Consortium (France)
- 10.15 **Norbert Kaiser**, Fraunhofer Institut für Optik und Feinmechanik (Germany)
- 10.45 **Peter Girow**, Thales Optics Ltd. (United Kingdom)
- 11.15 **Barry Holton**, Plasma Quest Ltd. (United Kingdom)
- 11.45 **Des Gibson**, Applied Multilayers Ltd. (United Kingdom)
- 12.15 to 12.45 **Question and Answer Session/Discussion Forum**

Conference 6198 - Photonics in the Automobile

Conference 6198 requires an Industry Programme or Symposium registration badge for admission.

Salon Leicester

Thursday 10.00 to 18.10

Automotive design is increasingly multidisciplinary, treating complex systems in which we now find photonics subsystems integrated with mechanical and electronic subsystems. These subsystems are related to lighting (inside and outside of the car), data transfer inside the car, displays of all kinds, sensors, hybrid processors, with optical interconnects, etc.

Forum on Micro-Optics: Benefits to Industry

Salle Orangerie

Friday 9.00 to 16.30

The Micro-Optics forum requires an Industry Programme or Symposium registration badge for admission.



Hugo Thienpont and **Tomasz Nasilowski**, Vrije Universiteit Brussel; **Jürgen Mohr** and **Holger Moritz**, Forschungszentrum Karlsruhe GmbH; **Malgorzata Kujawinska**, IMiF, Warsaw University of Technology

This forum aims at introducing the benefits of micro-optics to potential industrial users. It provides the participants with first hand information on micro-optics technologies and components, and their potential applications. Participants will have time to discuss specific questions with experts from all over Europe, in particular with members of the service and technology centres of the EC-Network of Excellence in Micro-optics, NEMO.

Micro-Optics Forum Program:

- 9.00 to 9.40
NEMO - a powerful tool for micro-optics in Europe
NEMO - the European Network on Micro Optics, an overview
NEMO Industrial User Club (IUC)
- 9.40 to 10.30
NEMO service centre 1 - capabilities and services to industry
Centre for modelling of micro-optical components
Centre for fabrication of micro-optical systems
- 10.30 to 11.00 . . . Coffee break
- 11.00 to 12.15
NEMO service centre 2 - capabilities and services to industry
Centre for characterization of micro optical components and new measurement tools
Centre for assembly & packaging of micro optics
Centre for reliability & standardization for micro optics
- 12.15 to 13.15 . . . Lunch
- 13.15 to 14.05
Food Chain in Micro Optics 1: Fibre sensors
Fibre sensors for strain & temperature measurement
Design, fabrication and characterization of new fibres for sensor applications
- 14.10 to 15.00
Food Chain in Micro Optics 2: Micro Lenses
Advantages of using micro lenses in imaging applications
Design, fabrication and characterization of micro lenses and lens arrays
- 15.00 to 15.30 . . . Coffee break
- 15.30 to 16.50
Application fields of micro optics
Optical interconnects at the PCB level
Diffractive and sub-wavelength micro-optics for light management
Infrared micro optics
Emerging applications in Micro Optics
- 16.50 to 17.00 . . . Summary & conclusions

Invited Speakers:

- Hugo Thienpont**, Department of Applied Physics and Photonics, Vrije Univ. (Belgium)
- Malgorzata Kujawinska**, Warsaw Technical Univ., Institute of Micromechanics and Photonics (Poland)
- Jürgen Mohr**, Abteilung Mikrooptik Forschungszentrum Karlsruhe, Institut für Mikrostrukturtechnik (Germany)
- Tomasz Nasilowski**, Department of Applied Physics and Photonics, Vrije Univ. (Belgium)
- Norbert Lindlein**, Chair of optics, Friedrich-Alexander-Univ. Erlangen-Nuernberg (Germany)
- Youri Meuret**, Department of Applied Physics and Photonics, Vrije Univ. (Belgium)
- Mo Taghizadeh**, Optical Interconnects, Heriot-Watt-Univ. (United Kingdom)
- Heidi Ottevaere**, Department of Applied Physics and Photonics, Vrije Univ. (Belgium)
- Peter van Daele**, Univ. Gent, INTEC (Belgium)
- Pentti Karioja**, VTT Electronics/Optoelectronics (Finland)
- Francis Berghmans**, SCK•CEN, Belgian Nuclear Research Ctr. (Belgium)
- Waclaw Urbanczyk**, Institute of Physics, Wrocław Univ. of Technology (Poland)
- Kenneth Weible**, SUSS MicroOptics SA (Switzerland)
- Marc Schneider**, Abteilung Mikrooptik Forschungszentrum Karlsruhe, Institut für Mikrostrukturtechnik (Germany)
- Markus Rossi**, Heptagon Oy (Finland)
- Andreas Gombert**, Fraunhofer Institute for Solar Energy Systems (Germany)
- Peter Muys**, VDM Laser Optics NV (Belgium)
- Nathalie Vermeulen**, Department of Applied Physics and Photonics, Vrije Univ. (Belgium)
- Olivier Parriaux**, TSI lab, Saint-Etienne Univ. (France)
- Christophe Gorecki**, Lab. d'Optique P.M. Duffieux, Univ. de Franche-Comté (France)

European Photonics Innovation Village

Contades Est

Open during Exhibition hours.



Under the Patronage of Henri Rajbenbach and Ronan Burgess, European Commission, Directorate General Information Society and Media, Belgium

Innovation Village

The European Photonics Innovation Village is organized to support and publicise research teams from universities, nonprofit institutions and research centres working on research, new applications or product development. All participants can be seen at the European Photonics Innovation Village in the upper exhibit hall Contades Est. The Village includes research programmes from around the world and showcases the transfer of optics/photonics research and technology into new and useful products. Plan to attend the finale of the competition, the Innovation Village Awards on Wednesday, 16.30 - 17.00 hrs in the downstairs exhibit hall Arp, Product Demo area.

This will be a judged competition with several awards. See web for complete competition details.

Innovation Village Judging Panel

Chair: **Henri Rajbenbach**, European Commission, DG Information Society and Media, Belgium

Members: **Paul McManamon**, Air Force Research Lab, USA; **Ronan Burgess**, European Commission, DG Information Society and Media, Belgium; **Hugo Thienpont**, Vrije Universiteit, Belgium; **Giancarlo Righini**, CNR, Italy; **Patrick Meyrueis**, Univ. Louis Pasteur, France; **Paul Smigielski**, RhenaPhotonics Alsace President, France; **Michel Faupel**, NIBR-Novartis and RhenaPhotonics Alsace Vice-president (biophotonics); **Bernard Kress** (LSP), France; **Elmar Wagner**, Fraunhofer Institut IPM, Germany (to be confirmed).

Awards

The Innovation Village Selection Committee will grant awards in specific categories. Awards will be announced on Wednesday evening. Award categories are as follows, both in a European and Non-European category:

- 1) Best overall product
- 2) Best design (based on the design of the technology into the product)
- 3) Best technology (based on the best new use of technology)
- 4) Best marketability (based on the product most likely to sell in the marketplace)
- 5) Best application (based on the proposed solution to a critical problem)

European Village

The European Village will include displays of literature and information on European photonics initiatives, Networks of Excellence, Integrated Projects and other EC projects that will showcase their consortia as well as recent breakthroughs.

Lunch with the Experts - A Networking Event

Galerie de Marbre

Wednesday 12.30 to 13.30 pm

Combine fun, food and networking at this engaging, free event open to all students. Hosted by SPIE Student Services, this event will feature experts willing to share their accumulated wisdom on career paths within the optics and photonics industry. Advance sign-up is required at Registration by Monday at 17.00. Among the experts in attendance will be the Hot Topics speakers.

Map out your Career

Salon Stuttgart

Thursday 11.30 to 12.30

Photonics: A Novel Technology for the 21st Century.



Hugo Thienpont, Director of Research, Vrije Univ. Brussels

Learn about emerging technologies and map out your career in the Photonics world. Get insight into navigating possibilities in research and industry, and to European projects.

Advertisers Index

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Technical Writing for Physical Scientists and Engineers

This course describes how to write clear, easy-to-follow, technical articles and reports that are appropriate for any given audience. Instruction progresses from the basic philosophy of communication and how this affects the core content and style of a document to article structure, paragraph construction, sentence construction, and use of vocabulary and punctuation. As well as teaching the basic rules of technical writing, this course explains the principles that underpin these rules. This deeper understanding will allow attendees to make more informed decisions about which elements of style they must follow, and to make better choices when faced with the many gray areas involved with technical writing. Finally, the course will help scientists and engineers to develop an eye for problems in their own writing and that of their colleagues.

LEARNING OUTCOMES

This course will enable you to:

- consider the audience at the beginning of the writing process, and use this knowledge to identify the appropriate content and level for the article
- use and design article structures that best relate the content in question
- construct paragraphs and sentences appropriately
- maximize information conveyed, and minimize reader boredom, by avoiding repetition
- consistently use the appropriate style, voice, and tense for a given document
- avoid hype, jargon, clichés, gibberish, mixed metaphors, and poor punctuation

INTENDED AUDIENCE

This course is intended for anyone who feels their writing needs improvement: from Ph.D. students to consulting engineers to professors. Reasonable fluency in English is required.

INSTRUCTOR

Sunny Bains is a scientist and journalist. She has been writing for the technical and popular science press, including Laser Focus World, Electronic Engineering Times, New Scientist, Science, and The Economist, for almost 15 years, edits six newsletters related to machine intelligence, imaging, and emerging computing technologies, and consults for the European Commission and the (UK) Engineering and Physical Sciences Research Council. At Imperial College London, she is both the core technical writing lecturer for the Graduate School of Engineering and Physical Sciences and lead tutor in technical communication for the Department of Electrical and Electronic Engineering.

Course level: Introductory

Free for students registered for Photonics Europe 2006.

WS611 CEU .35 €45 / €85 USD

Wednesday 13.30 to 17.30

Courses/Workshops

Tuesday

SC788 Micro Laser Material Processing, €190 / €220, 13.30 to 17.30

Wednesday

SC787 Digital Diffractive Optics: A Powerful Tool To Address Emerging Optical Markets, €190 / €220, 8.30 to 12.30

WS611 Technical Writing for Physical Scientists and Engineers, €45 / €85, 13.30 to 17.30

Students save 50% on courses! Register at the registration desk.



Recruiting Services

Bring copies of your open positions to Photonics Europe and post them on the boards provided for this purpose. While at the meeting you will also be able to review any CVs posted by meeting attendees; look for the notebook located near the job posting boards. If you're searching for highly skilled candidates for hard-to-fill positions this is a great place to start.

If you don't find the candidates you need, SPIEWorks, the SPIE employment website can help you target a skilled group of optics and photonics professionals after the meeting. Contact Robert Dentel at +1 360 715 3705 or email sales@spieworks.com. Membership in SPIE is not required to post jobs.

Employment Opportunities

Plan to stop by these same job boards throughout the meeting and review current employment opportunities.

In addition to our onsite posting boards, SPIEWorks, the SPIE employment website, offers you an online job database, resume posting, and email notification services year round. Visit www.spieworks.com

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Photonics Europe

3 to 7 April 2006
 Palais de la Musique et des Congrès
 Place de Bordeaux, Strasbourg, France
 www.strasbourgmeeting.com; Tel: (33) 03 88 37 67 67

Registration Hours

Palais de la Musique et des Congrès, Foyer/Galerie le Corbusier

Sunday	13.00 to 17.30
Monday	07.30 to 17.00
Tuesday	08.00 to 17.00
Wednesday	08.00 to 17.00
Thursday	08.00 to 16.00
Friday	08.00 to 11.00

Exhibition Hours

*Palais de la Musique et des Congrès
 Espace d'Arp and Contades*

Tuesday	10.00 to 17.00
Wednesday	10.00 to 17.00
Thursday	10.00 to 16.00

Audio/Video/Digital Recording Policy

For security and courtesy reasons, photographing or videotaping individual booths and displays in the exhibit hall is allowed ONLY with explicit permission from onsite company representatives. Individuals not complying with this policy will be asked to surrender their film and to leave the exhibition hall.

Coffee Breaks

Monday, Tuesday, Thursday	10.00 to 10.30 and 15.00 to 16.00
Wednesday	10.00 to 11.00 and 15.30 to 16.00
Friday	10.00 to 11.00

Coffee will be served during the morning and afternoon breaks. Please check the individual technical conference listings for exact times. On Tuesday to Thursday, coffee will be served in the Exhibition Hall, Espace d'Arp on the Ground Floor and Contades on the first floor.

Desserts

Tuesday, Thursday	15.00 to 15.30
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Complimentary tickets for dessert snacks will be included in attendee registration packets. These dessert snacks will be served in the Exhibition Hall, Espace d' Arp on the Ground Floor and Contades on the first floor of the convention centre on Tuesday and Thursday from 15.00 to 15.30, during coffee breaks.



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- ▶ **Broadly Tunable OPGs**
hands-free wavelength tuning from UV to far IR
- ▶ **High Energy Nd:YAG Lasers**
ps, ns, sub-ns pulse durations

to **Complete Laser Systems**

See at EKSPLA Stand 211

For Science & Industry



Phone: +370.5.2649629
 Fax: +370.5.2641809
 E-mail: sales@ekspla.com
 Internet: www.ekspla.com

Messages for Attendees

Messages for attendees at Photonics Europe can be left by calling the Palais de la Musique et des Congrès at Tel. 33 (0) 3 88 37 67 67, Fax 33 (0) 3 88 35 38 17 and asking for the SPIE conference registration desk. Messages will be taken during registration hours Monday through Friday. Attendees should check the message boards at the message center on a daily basis to receive their messages.

Lunch

Lunch is available for purchase between 12.00 and 13.30 at the back of Arp and Contades, as well as at the Café on the 1st level outside of Contades.

Internet Access/ WiFi

Convention Centre, Vestiaire near Auditorium Schweitzer

Monday to Friday during registration hours.

Several internet access terminals will allow attendees to access their internet e-mail during the conference. There will be a 10-minute time limit per each person's internet session.

Attendees may individually purchase WiFi access. Open browser and follow directions for purchase by credit card from the SWISSCOM EUROSLOT website. Prices include VAT.

2 hours	WiFi2	9,50 €
24 hours	WiFi24	29,00 €
7 days	WiFi7	99,00 €

SPIE Publications

Near Registration Desk

Open during registration hours. SPIE publications will be for sale in the Registration area.

Luggage Storage and Coat Check

Convention Centre, Ground Floor near Entrée Schweitzer.

Monday-Friday 7.30 to 18.00

There will be a minimal cost for coat and luggage storage as required by the Convention Centre.

Free Parking

There are 500 parking spaces at the Palais de la Musique et des Congrès. Parking at the Congrès Centre is complimentary.

Taxi

The Taxicabs are present at the airport until about 23.00 (arrival of the last flight). Between the airport and the downtown, the cost will be about 23€ by day and 38€ at night.

Travel by Tram

The Strasbourg public transport network is composed of 23 bus lines and 4 tram lines accessing the whole Strasbourg area. The Relay-Tram parking lots offer parking next to a tram station and access the city center within a few minutes. Information CTS (Company of Strasbourg Transportation) Tel: (33) 03 88 77 70 70 www.cts-strasbourg.fr

To get to Palais de la Musique et des Congrès de Strasbourg from the Strasbourg Airport-Entzheim, take the airport shuttle, leaving every 20 minutes from the "arrivals terminal" to Tram stop Baggersee, where there is a connection to Tram Line A to downtown. Take Tram Line A (towards HautePierre Maillon) and get off at Tram Stop Homme de Fer. Transfer to Tram Line B (towards Hoenheim Gare) and get off at either Tram Stop Lycée Kléber, which is within walking distance and just before the Palais de la Musique, or Tram Stop Wacken, which is just after the Palais de la Musique.

To get to the airport from the center of Strasbourg, take tram line A (towards Illkirch Lixembuhl) and get off at Baggersee, where there is a shuttle leaving every 20 minutes, arriving at the airport in 12 minutes.

Airport Shuttle Fare: One way 4,80 €, Return 8,80 €

The Relay-Tram Parking Lots

Set up along the tram lines, the Relay-Tram parking lots (P+R) offer the possibility to park your vehicle close to a tram station and travel downtown without worry of traffic or parking. In return for the price of parking for the day, all occupants of the vehicle receive a ticket permitting a round-trip by tram. For parking solutions www.parcus.com

The Tour Pass & Familipass

The Strasbourg Transportation Company (CTS) offers to tourists a daily ticket, The Tour Pass, @ 3 € for 24 hours usage on buses and trams all year round. The Familipass @ 3,80 € good for 24 hours is for a family of 2 to 5 persons (minimum 1 parent and one child under 18 years old).

Travel by Rail to Strasbourg

Entzheim Rail Station is only 5 minutes walking distance from the airport terminal. For the train schedule: <http://www.strasbourg.aeroport.fr/E/trains.html> The train runs regularly about every half an hour from 5:34 through 20:42. It is a 14 minute ride from downtown Strasbourg to Entzheim Station at the airport. Railway information Tel: 08 92 35 35 35, www.sncf.com

Exhibition Hours

Palais de la Musique et des Congrès
Espace d'Arp and Contades

Tuesday	10.00 to 17.00
Wednesday	10.00 to 17.00
Thursday	10.00 to 16.00

A.R.T. Photonics GmbH

#120

Schwarzschiedstr 6, Berlin, Germany, 12489
49 30 67894153; fax 49 30 67894156
info@artphotonics.de; www.artphotonics.com

New Product: High Power Fiber Cables for flexible delivery of high intensity laser radiation in technology and medicine.

A.R.T. Photonics GmbH, Berlin, is OEM leader in production of fibre cables for high power delivery in laser technology/medicine and of fibre probes for spectroscopy in 0.2-18µm range. EuroFiber® products are based on silica, polymer, polycrystalline (PIR), chalcogenide (CIR) and Ge-oxide fibre cables, bundles & probes. HP-silica cables can transmit laser power in kW range and be used up to 600°C - when fibre coated by Al or Cu-alloys. Unique PIR-fibers enable to use FTIR & QCL-spectroscopy for process control in 3-17µm range and to develop flexible IR-fiber imaging systems.

AFOP - French Optics and Photonics Manufacturers Association

#1300

185 rue de Bercy, Paris cedex 12, France, F-75579
+33 1 43 46 57 50; fax +33 1 43 46 27 58
www.gifo.org

French Optics and Photonics Manufactures Association (AFOP) is a trade union dedicated to photonics professionals for the promotion and the defense of the industry interests in France and abroad: Exhibitions, market survey, business intelligence, bulletin of bids for tender, delegation in the standardization committee(s). Contact: Eric Billet, Institutional and Business Relationships Manager, eric.billet@gifo.org.

AHF analysentechnik AG

#608

Kohlplattenweg 18, Tuebingen, Germany, 72074
49 7071 970901-0; fax 49 7071 970901-10
info@ahf.de; www.ahf.de

New Product: Hardcoated filters and filtersets for fluorescence microscopy, Raman and laser spectroscopy.

In cooperation with renowned companies, universities and research groups AHF analysentechnik develops user-specific filter solutions for fluorescence (single/multiphoton) and Raman spectroscopy. AHF offers a wide selection of filters and filtersets for any type of fluorescence microscopes and stereoscopes. Our team with long-term-experience in development and application will help to answer your questions. Contact: Michael Sommerauer, ms@ahf.de; Andreas Braunwarth, ab@ahf.de.



High transmissive optical filters for fluorescence and Raman spectroscopy.

Alsace International

#1408

Parc d'innovation, 9 Bd Gonthier d'Andernach, ILLKIRCH, France, F-67400
33 3 88 24 77 68; fax 33 3 88 24 77 77

Alsace International is the coordinator of all actors in Alsace working for the international development of Alsace. The Région Alsace, the Conseil Général du Bas-Rhin, the Communauté urbaine de Strasbourg and the Alsace Development Agency actively support Photonics Europe. All companies or researchers wishing to carry out their activities in Alsace can contact Alsace International. Contact: Patricia Hatesuer, Project Manager, p.hatesuer@ada-alsace.com.

ATI Optique

#316

ZA de St Guenault, Courcouronnes, France, F-91080
33 1 6936 6400; fax 33 1 6497 1484

New Product: Fiber Optic Connector for High Power Laser.

Fiber optic component supplier for telecom, industrial, datacom, medical, laser, sensors: couplers, WDM, connectors, and patch cords. R&D and prototypes for fiber optic applications. Fiber optic sensors. Custom design products include hermetic feed through, chisel point, and dichroic filters. Specialist of multimode couplers from 50/125 up to 1000µm fibers, high temperature couplers. Contact: Jean-Michel Malavieille, Sales Director: Pascal Slobadzian, Sales Engineer.

Avantes BV

#302

Soerensezand 4A, Eerbeek, The Netherlands, NL-6961 LL
31 313 670170; fax 31 313 370179
info@avantes.com; www.avantes.com

New Product: AvaSpec-3648-USB2.

Avantes develops and manufactures products in the field of Spectroscopy, such as spectrometers, light sources, software, fiber optic cables and probes, accessories and fiber optic sensor systems. With over 12 years of experience in Solutions is Spectroscopy; Avantes continues to produce innovative applications in diverse fields including industrial, chemical, petrochemical, gemology, biomedical, semiconductor and food processing technology. Contact: Benno Oderkerk, Technical Director; Klaas Otten, Sales Manager.



New AvaSpec-3648-USB2 Spectrometer combines high resolution and sensitivity with high speed USB2 interface.

Ayase Europe GmbH

#704

Nassaustrasse 28, Hofheim - Wallau, Germany, 65719
+49 6122 533811; fax +49 6122 533941
jsteiner@ayase-europe.de

New Product: ADL-65055TA, ADL-65055SA. APC (Auto Power Control) IC inside. Saving module cost.

Ayase Europe GmbH was established on February 1st, 2006. Ayase Europe GmbH is a wholly owned subsidiary of Ayase Co.Ltd; Japan who has been in business since 1998. Ayase Co., Ltd. Japan has customers world wide and it was decided to establish a new company in Europe, Germany to service locally the growing customer base there. The product lineup continues to expand with the addition of new manufacturing partners. Contact: Jimmy Steiner, Director Sales & Marketing.

Becker & Hickl GmbH

#206

Nahmitzer Damm 30,
Berlin, Germany,
D-12277
49 30 787 5632;
fax 49 30 787 5734
www.becker-hickl.de



A complete picosecond fluorescence imaging system on a single PCI board.

BFI Optilas International

#400

La Petite Montagne Sud-Lisses, 4 allée du Cantal, Evry Cedex 1834,
France, F-91018
33 1 60 79 59 12; fax 33 1 60 79 89 01
sales.fr@bfioptilas.com; www.bfioptilas.com

New Product: Many new products for lasers, accessories, imaging systems for OEM, Optical instrumentation.

BFI OPTILAS, an AVNET Company, is a pan-European technical distributor of specialist products and services, including design-engineering support, to the electronics and Photonics markets. BFI OPTILAS focuses on niche technology products such as magnetic, lasers, sensors, connectors, electro-optics, imaging, fiber optics, RF & microwave and other specialty components, systems, assemblies and metals. Some 310 sales engineers and other staff are employed at 12 offices throughout Europe. Contact: Philippe Goupilleau, Business Unit Manager, philippe.goupilleau@bfioptilas.com; Thierry Palustran, Business Unit Manager - Instrumentation, Thierry.palustran@bfioptilas.com.



CVI and BFI OPTILAS introduce QuantaGlas Singlet lenses for imaging and low power laser applications.

Boehringer Ingelheim MicroParts GmbH

#700

Hauert 7, Dortmund, Germany, 44227
+49 231 97 99 0; fax +49 231 97 99 100
service@microparts.de; www.boehringer-ingelheim.de/microparts

New Product: UV/VIS and NIR Microspectrometer for use in mobile measuring and diagnostic equipment.

Boehringer Ingelheim microParts GmbH develops, manufactures and sells micro-system-technology products in the field of life science. The product range includes technically advanced and innovative mechanical, optical and fluidic products manufactured from a wide variety of plastics, metals and silicon. Examples of products are propellant free aerosol systems (Respimat®), microstructured reaction platforms (lab on a chip-systems) and microspectrometers (UV/VIS and NIR). Contact: Stefan Kreuzberger, stefan.kreuzberger@microparts.de; Nancy Altkrüger, nancy.altkrueger@microparts.de.

Breault Research Organization

#1007

SPIE Corporate Member

6400 E Grant Rd Ste 350, Tucson, AZ, 85715-3862
520/721-0500; fax 520/721-9630
info@breault.com; www.breault.com

New Product: ASAP lite, ASAP CAD+, ASAP OPTICAL+, ASAP BIO, ASAP ADVANCED, ASAP COMPLETE.

Breault Research Organization (BRO) offers cutting-edge optical software, consulting services, prototyping, training, and custom software development. BRO's expertise spans the biomedical, automotive, display, semiconductor, and telecommunications industries. BRO tailors solutions to meet client goals — from providing software that empowers designers to create and test their own systems, to taking customers' projects through the BRO engineering design process to the manufacturing floor. Contact: Stacy Munger, Account Manager - BRO Software Applications, smunger@breault.com; Michael Frate, Account Manager - BRO Engineering Services, mfrate@breault.com.

Calcarb Ltd.

#107

12 North Rd, Bellshill Lanarkshire, United Kingdom, ML4 1EN
44 1698 740 818; fax 44 1698 841 979
sales@calcarb.com; www.calcarb.com

New Product: Calcarb new CVI range is made by densifying CBCF materials. This reduces most chemical reaction rates.

Calcarb Limited is a manufacturer and global supplier of premium high purity Carbon Bonded Carbon Fibre (CBCF) based Rigid Insulation and precursor materials for vacuum and controlled atmosphere furnaces. Calcarb Limited manufacture a range of Rigid Thermal Carbon Insulation and materials that are selected for precursors in alternative materials development. All materials are manufactured from a Rayon Fibre and fully traceable under ISO 9001:2000. Contact: David Robertson, International Sales Manager; George Law, Technical Sales Engineer.

Carl Hanser Verlag

#803

Kolbergerstr 22, Muenchen, Germany, 81679
49 89 99830 0; fax 49 89 99830 623
info@hanser.de; www.hanser.de

New Product: Laser + Photonik; Laser + Photonics.

The magazine Laser + Photonik targets specifically and exclusively developers of optical, optoelectronic and laser systems as well as the decision-makers in buying equipment - especially in the target markets of machine and device engineering, telecommunication, medical technology and the automotive industry. Contact: Rolf Hörr, Advertising Manager, hoerr@hanser.de.

CEDRAT Technologies

#416

15 Chemin de Malacher Inovallee, Meylan Cedex, France, F-38246
33 4 7690 5045; fax 33 4 7690 0830
actuator@cedrat.com; www.cedrat.com

New Product: Piezo Actuators, Magnetic linear actuators, Piezo scanners, driving electronics.

Engineering & Products in electrical, mechatronic and sensing devices. Sales of piezoelectric actuators & mechanisms, magnetic linear actuators & ultrasonic transducers with their related driving and control electronics.



Amplified piezo actuators for large, fast and precise positioning and vibrations.

CeramOptec GmbH

#309

Siemensstr 44, Bonn, Germany, 53121
49 228 9796750; fax 49 228 9796799
info@ceramoptec.de; www.ceramoptec.com

CeramOptec offers a broad range of industrial fibers, cables, bundles for spectroscopy, laser application, sensoric, medical lasers, dental lasers, ophthalmologic lasers, medical fibers, substances for photodynamic therapy. If you have questions, please contact us! Contact: Franz Schuberts, Industrial Sales, franz.schuberts@biolitec.com.

CeramOptec offers a broad range of industrial fibers, cables, bundles and also medical lasers and medical fibers (probes).



Chroma Technology Corp

#308

SPIE Corporate Member

PO Box 489, 10 Imtec Ln, Rockingham, VT, 05101
802/428-2500; fax 802/428-2525
sales@chroma.com; www.chroma.com

Chroma Technology Corp. is an employee-owned company that specializes in the design and manufacture of precision optical filters and coatings.

Catalog and custom filters cover a broad range of applications: low-light fluorescence microscopy and cytometry; spectrographic imaging in optical microscopy; laser-based confocal and multi-photon instrumentation; and Raman spectroscopy. Contact: Ed Kiegle, Ph.D., Applications Scientist, ekiegle@chroma.com.



Chroma Technology provides catalog and custom precision filters for optical microscopy and instrumentation.

Communauté Urbaine de Strasbourg

#1410

1 Place de l'Etoile, BP 1049/1050, Strasbourg, 67070, France
33 3 88 60 90 90; fax 33 3 88 60 97 73

Conseil General du Bas-Rhin

#1406

Hotel du Departement, Place du Quartier Blanc, Strasbourg, France, F-67000
33 3 88 76 67 67; fax 33 3 88 76 65 39

Cristal Laser SA

#1211

SPIE Corporate Member

32 Rue Robert Schumann, Messein, France, F-54850
33 3 83 47 82 58; fax 33 3 83 44 22 72
mail@cristal-laser.fr; www.cristal-laser.fr

New Product: KTP:fr is a KTP specially grown to resist grey-track in high power, high repetition rate lasers.

Cristal Laser S.A. specializes in crystal growth, manufacturing and distribution for applications involving non-linear optics. Our product range includes KTP, KTA, RTP and LBO. Our state-of-the-art manufacturing tools also enable us to offer cut/polishing services on non house-made optical materials. Contact: Marc-André Herrmann, Sales & Marketing Engineer, ma.herrmann@cristal-laser.fr.



Large size KTP frequency-doubling crystals from Cristal Laser are convenient for high-energy applications.

CVI Technical Optics Ltd.

#706

Second Ave, Onchan, Isle of Man, United Kingdom, 1M3 4PA
44 1624 647 000; fax 44 1624 676 859
sales@tol-cvi.com; www.cvilaser.com

CVI Technical Optics is one of the world's leading manufacturers of High Energy Laser Optics. Products include a full catalogue range of over 200,000 unique parts, creating the world's largest inventory of Laser grade components. Whether your need is OEM, R&D, Aerospace, Military, Industrial or Semiconductor, one off or one million off, CVI has the answer. CVI, Concept, Vision and Innovation.

Davin Optronics Ltd.

#504

15 Greycaine Rd, Watford Herts, United Kingdom, WD24 7GW
44 1923 206800; fax 44 1923 228335
sales@davinoptronics.com; www.davinoptronics.com

Davin Optronics designs and manufactures precision optical systems and components for Laser, Thermal Imaging, Defence and Machine Vision. We have comprehensive, in-house, capabilities including optical, mechanical, electronics and software design, precision optics manufacturing, thin film coating and opto-mechanical assembly and test. On display will be Laser scanning lenses, opto-mechanical assemblies and customized machine vision camera systems. We will also be exhibiting the latest "off the shelf" range of mechanics and optics, included in the all new DAVIN CATALOGUE. Contacts: Horace Vincent, Sales Manager-Catalogue Division, horacev@davinoptronics.com; Simon Pascoe, Product Manager, simon@davinoptronics.com.

Dow Corning Corp

#109

2200 Salzburg Rd, Midland, MI, 48611
989/496-6229; fax 989/496-4586
c.dougherty@dowcorning.com; www.dowcorning.com

ECOC 2006

#113

Nexus Media Communications Ltd, Media House Azalea Rd, Swanley Kent, United Kingdom, BR8 8HU
44 1322 660070; fax 44 1322 616350
sales@ecocexhibition.com; www.ecocexhibition.com

ECOC 2006, Cannes, France, 24-28 September guarantees the greatest integration yet between the conference and exhibition events, with a higher level of interactivity than ever providing to all attendees a large coverage of all activities in Optical Communications from first step in innovation to real network deployments. Contact: Beverley Lucas, Event Manager, beverley.lucas@nexusmedia.com.

Edinburgh Instruments Ltd #208

2 Bain Sq, Kirkton Campus, Livingston, United Kingdom, EH54 7DQ
44 1506 425 300; fax 44 1506 425 320
pa@edinst.com; www.edinst.com

New Product: Picosecond Diode Lasers - 375-635nm, Nanotaurus - Lifetime Platereader based on TCSPC detection.

Edinburgh Instruments Ltd has been a leading manufacturer for over 30 years of infrared gas lasers (wavelengths from 5.2 μ m to 1mm), analytical instruments such as fluorescence spectrometers (steady state and lifetime measurements using the time-domain technique of Time Correlated Single Photon Counting (TCSPC)), OEM Gas Sensors and is a distributor for lasers and spectroscopy instruments. Contact: Mark Goossens, Sales Engineer, Mark.Goossens@edinst.com; Tanya Lake, Sales Engineer, Tanya.Lake@edinst.com.

EDP Sciences #1001

17 Ave du Hoggar, Courtaboeu Les Ulis Cedex, France, F-91944
33 1 691 87575; fax 33 1 691 80765
edps@edpsciences.org; www.edpsciences.org

New Product: Publication of scientific texts in journals, books and web-sites.

Closely linked to the Scientific World, EDP Sciences contributes to the communication and the diffusion of Science to specialized (researchers, engineers, students, etc...) and non-specialized (general public, decision-makers, education) audiences. EDP Sciences publishes scientific texts in the form of journals, books and web-sites. Contact: Nathalie LeCrosnier, Responsible for Journals Communications, lecrosnier@edpsciences.org.

EKSPLA Ltd. #211

SPIE Corporate Member

Savanoriu Av 231, Vilnius, Lithuania, 02300
370 5 264 4629; fax 370 5 264 1809
sales@ekspla.com; www.ekspla.com

New Product: THz Spectroscopy Kit for extending existing systems capabilities into THz frequency region.

Manufactures and supplies solid-state lasers and laser systems; OPG/OPA; opto-electronic components; optical components (UV, IR, polarizing, high-power laser optics); nonlinear, laser and electro-optical crystals (BBO, LBO, KTP, KD*P, AgGaSe2, AgGaS2, Yb:KYW, Nd/Yb:KGW, Nd:YAG/YVO4); optomechanical components - for research and industry. Contact: Vytas Gatelis, Laser Systems Sales Manager; Daugirdas Kuzma, Photonics Components Sales Manager, photonics@ekspla.com.



NT340/UVE series tunable Q-switched nanosecond laser offer hands-free, no-gap UV tuning in 210-420 nm range and further to 2300 nm.

Exhibitor Reception Sponsor

Electro Optics Magazine #412

27 Queen Sq, Bristol, United Kingdom, BS1 4ND
44 117 929 2506; fax 44 117 929 2506
sales.electro@europascience.com; www.europascience.com

Electro Optics is the number one magazine for Europe's photonics market. If you need to do business in Europe, no other magazine is better positioned or better able to help you achieve your goals. Contact: Alex Sullivan, Publishing Director, as@europascience.com; Drew Cameron, Group Sales Manager, dc@europascience.com.

Electron Tubes #410

Bury St, Ruislip Middlesex, United Kingdom, HA4 7TA
44 1895 630771; fax 44 1895 635953
info@electron-tubes.co.uk; www.electrontubes.com

New Product: Electron Tubes offer high voltage control and monitoring systems for its power base products.

Electron Tubes designs, develops and manufactures photomultipliers, other light and radiation sensing devices and accessories. We have expertise in imaging and non-imaging optics, scintillation counting, statistics of light detection, nuclear and particle physics and electronics. We are developing new business with our x-ray detection and data acquisition modules to meet customer requirements. Photomultipliers, photon counting, low light level, x-ray linear array detectors, security. Contact: Ron Stubberfield, Sales Manager - Europe, ron.stubberfield@electron-tubes.co.uk.



Detector modules for photon counting, pulsed light and analogue applications.

Epner Technology, Inc. #1006

SPIE Corporate Member

78 Kingsland Ave, Brooklyn, NY, 11222-5603
718/782-5948; fax 718/963-2930
epner78@aol.com; www.epner.com

European Network of Excellence in Micro-Optics #EPIV1

Vub Tona - IR, Pleinlaan 2, Brussels, Belgium, 1050
+32 2 629 3568; fax +32 2 629 3450
ndebaes@tona.vub.ac.be; www.micro-optics.org

NEMO is a 6FP European Network of Excellence in Micro-Optics. The main objective is to integrate the competence in micro optics over Europe and to strengthen the R&D activities in this field. It is the aim to set-up strong service and technology centers which are accessible for academic research, SMEs and large companies. The NEMO Industrial User Club will open the door to this organized competence for its Contracting partners. More information about NEMO: www.micro-optics.org. Contact: Tomasz Nasilowski, Industrial User Club Communication Officer, tnasilowski@tona.vub.ac.be; Nathalie Debaes, Project Support Officer.

European Optical Society (EOS) #409

Hollerithallee 8, Hannover, Germany, 30419
49 511 2788117; fax 49 511 2788100
info@myeos.org

The European Optical Society (EOS) is a recognised society in the field of modern optics and photonics which, representing more than 5000 individuals, 100 companies and institutes and 18 national societies, has the potential to constructively contribute to the technological progress in Europe. The EOS serves as the joint forum for all individuals, companies, organisations, and societies, who recognise the opportunity that a common European base provides for the further development of optics. Contact: Silke Kramprich.

Fischer Connectors Sarl

#1111

4 Place Felix Eboué, Paris cedex 12, France, 75583
+33 1 55 78 25 78; fax +33 1 55 78 25 75
mail@fischerconnectors.fr; www.fischerconnectors.fr

Fischer Connectors looks for the optimum solution for an efficient and reliable connection. Our connectors have an excellent reputation, in sectors whose applications require customized development and faultless quality: Medical equipment, industrial instrumentation, controlling and measuring devices, audio-video, telecommunications, military applications. We are always prepared to invest as much time and effort as necessary to ensure you get the connector best suited to your needs. Contact: Guy Lacroix, Director.



Hybrid connectors with Fiber optic, signal, fluid and gas contacts. IP68, HIGH VACUUM 10-9.

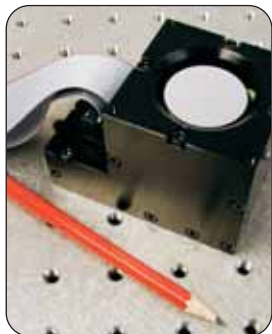
Flexible Optical BV

#210

Rontgenweg 1, DELFT, The Netherlands, 2624 BD
+31 15 2851547; fax +31 15 2851548
gleb@okotech.com; www.okotech.com

New Product: Real-time adaptive optical system based on a new 37-channel piezoelectric deformable mirror.

Flexible Optical B.V. (aka OKO Technologies) develops, manufactures and delivers adaptive optical components and integrated solutions for application in imaging systems, laser physics, astronomy, ophthalmology and ultrafast optics. The company offers MEMS and piezoelectric deformable mirrors, Shack-Hartmann wavefront sensors, closed-loop adaptive optical systems, varifocal liquid crystal lenses and software for diffraction analysis and hologram synthesis. Contact: Gleb Vdovin, Chief Executive Officer.



OKO 37-channel 30 mm low cost piezoelectric deformable mirror for industry, medicine and astronomy.

FLIR Systems Ltd.

#515

2 Kings Hill Ave, West Malling Kent, United Kingdom, ME19 4AQ
44 1732 220011; fax 44 1732 220014

New Product: ThermoVision Photon is a compact, high sensitive thermal imaging camera designed for OEM packaging.

Core by Indigo is a division of FLIR Systems specializing in the production of infrared cores. FLIR's Core by Indigo capabilities includes infrared components, OEM camera cores and specialized solutions for military programs. Contact: Stan Laband, stan.laband@flir.com; Susan Petronio, susan.petronio@flir.com.



Core by Indigo is a division of FLIR Systems specializing in the production of infrared cores.

Fogale Nanotech

#1205

125 rue de l'Hostellerie, Parc Acti +, Bat A, Ville Active, NIMES, France, 30900
+33 4 66 62 05 55; fax +33 4 66 62 71 60
info@fogale.fr; www.fogale.fr

New Product: LISE LI: High accuracy Long Range reflectometer. T-MAP: Wafer Thickness Mapper.

Fogale Nanotech, an engineering company created in 1983, is now a worldwide known reference in the field of high accuracy dimensional metrology. Thanks to our multidisciplinary team with expertise in capacitive, optical, inductive and ultrasonic metrology and a strong scientific background, we provide standard and customized systems adapted to your implementation and utilization constraints. Contact: Alain Courteville, Optics Department Manager, a.courteville@fogale.fr.

FRAMOS Electronic Vertriebs GmbH #1200

Zugspitzstr 5 House C, Munich, Germany, 82049
49 89 710 6670; fax 49 89 710 66766
info@framos.de; www.framos.de

New Product: USB2.0 Camera LW290/295; 20fps at full 2M Px resolution; 8- or 12 bit pixel data; 2/3" CMOS Sensor.

FRAMOS has the vision to provide the best solution in cooperation with its customers within the imaging processing and GPS industry. FRAMOS will always use leading edge technologies to satisfy the needs of its customers. An enthusiastic team of qualified staff are available throughout the operation, many with technical experience, providing a high level of value - added support. Its product portfolio covers CCD area and linear sensors, CCD peripheral, CMOS sensors, cameras, lenses and GPS. Contact: Andreas Maier, A.Maier@framos.de; Thomas Kluehspies, T.Kluehspies@framos.de.



2/3" 1.4M Pixel cooled FireWire CCD Camera, 14Bit A/D conversion, Dynamic Range > 66dB.

Fujian CASTECH Crystals, Inc.

#122

No 155 Yangqiao West Rd, Fuzhou Fujian, China, 350002
86 591 837 92817; fax 86 591 8371 1593
www.castech.com

New Product: BiBO, Nd:KGd (WO4) 2, bonded crystals.

Fujian CASTECH Crystals, Inc. (CASTECH), founded in 1998, is specialised in manufacturing of a wide range of crystals, including NLO, laser birefringent, E-O-, A-O crystals and other optical components. As the inventor of BBO and LBO CASTECH is the exclusive patent holder of LBO crystals and its optical devices. Contact: Sharon Lin, Sales Manager, sales@castech.com.



General Refreshment Sponsor

Gilden Photonics Ltd

#901

480 Lanark Road, Edinburgh, UK, EH14 5BL
+ 44 131 442 4406; fax + 44 131 442 4406
sales@gildenphotonics.com; www.gildenphotonics.com

New Product: Modular components (light sources, monochromators, spectrographs, detectors) for spectroscopy.

Gilden Photonics is a new company focused on the development, sales and service of spectroscopic components and systems. Products offered include monochromators, spectrographs, spectrometers, light sources including xenon, deuterium, tungsten and global sources, photomultiplier and photo diode detectors covering the spectral ranges from ultraviolet (UV) to Infrared (IR), as well as hyper-spectral imaging systems, precision opto-mechanical components and motorised positioning equipment. Contact: Richard Dennis, Commercial Director, richard.dennis@gildenphotonics.com.

GWU-Lasertechnik GmbH

#122

Talstr 3, Erfstadt, Germany, 50374
49 2235 955220; fax 49 2235 75632
info@gwu-group.de; www.gwu-group.de

New Product: Compact fully integrated tunable laser system (Nd:YAG laser/OPO system).

GWU-Lasertechnik provide pulsed OPO and tunable laser systems for the UV, visible and NIR range, frequency converters, DPSS lasers, OPG/OPA, Echelle spectrographs (standard and customized), laser and non-linear crystals, QPM (periodically poled nonlinear materials, PPLN, PP-MgO:CLN, PP-MgO:SLN, PP-MgO:SLT bulk and waveguides), optical components (prisms, windows, polarizers, waveplates). Contact: Rainer Bruenger, Sales Manager, rainer.bruenger@gwu-group.de; Sven Kern, Sales Engineer, sven.kern@gwu-group.de.

Coffee Break Sponsor

Hamamatsu Photonics France

#413

Parc du Moulin de Massy, Massy Cedex, France, F-91300
33 1 69 53 7100; fax 33 1 69 53 7110
infos@hamamatsu.fr; www.hamamatsu.fr

Hamamatsu manufacture photodetectors and optoelectronic systems for 50 years. Based in Japan, Hamamatsu develop and manufacture photomultipliers, lamps, X-ray screens and sources, high power laser diodes, photodiodes, digital cameras for inspection and test equipments, for the semiconductor industry and general manufacturing. Contact: Marc Birkel, Components Sales Manager, mbirkel@hamamatsu.fr; Laurent Luong, Components Sales Manager, lluong@hamamatsu.fr.



New high speed scintillators need New high speed photomultipliers : R9800 - R9420 - R9779.

HC Photonics Corp.

#122

SPIE Corporate Member

Science Based Industrial Park, 4F Technology Rd, Hsinchu, Taiwan, 300
886 3 666 2123; fax 886 3 666 2124
www.hcphotonics.com

HC Photonics provides Periodically Poled Nonlinear Materials, PPLN, PP-MgO:CLN, PP-MgO:SLN, PP-MgO:SLT bulk and waveguides devices, with the highest performance for different applications specially for RGB display, Bio-Photonics, Mid-IR and THz applications. Contact: Karin Wu, Sales Manager, karin@hcphotonics.com.



HC Photonics Corp. provides periodically poled nonlinear materials, PPLN, PP-MgO:CLN/SLN/SLT Bulk and Waveguide devices.

HGH Systèmes Infrarouges

#1304

ZAC de la Sabliere, 10 rue Maryse Bastie, Igny, France, F-91430
33 1 69 35 47 70 ; fax 33 1 69 35 47 80

New Product: VIGISCAN11: Infrared Panoramic Surveillance System for perimeter security and intrusion detection.

HGH Infrared Systems design, develop, assemble and sell complete optronic systems for security, industrial and civil applications. HGH's main lines of business are as follows: Security: Infrared panoramic surveillance system. Industry: Thermographic equipments for remote temperature measurement. Test and metrology: Infrared instrumentation (blackbodies, collimators, optical test benches), mobile workshop for maintenance of electro-optics sensors, imaging spectroradiometers, etc. Contact: Edouard Campana, Sales Engineer, hgh@hgh.fr; Maurice Idoux, Sales Manager, hgh@hgh.fr.



Panoramic camera for day and night surveillance and for detection of intrusion.

HTDS—Hi-Tech Detection Systems #1103

3 Rue du Saule Trapu, BP 246, Massy Cedex, France, 91882
+33 1 64 86 2828; fax +33 1 69 07 6954
info@htds.fr; www.htds.fr

HTDS is a distributor in France of High Performances Optoelectronics Components & Solutions. We propose Standard and Dedicated products for UV, Visible and IR applications. Our markets are Industrial, Biomedical, Scientific, Aeronautic, Spatial, Military and Consumer Devices. Our main products are EMITTERS: LEDs, Power-LEDs; Dedicated LED Solutions with "Chip-on-Board" technology; Xenon Flash Lamps; Laser Diodes & Pulsed Laser Diodes. SENSORS: Pyrodetectors, Thermopiles, Photocells; Photodiodes, Avalanche Photodiodes; Photomultipliers & Single Photon Counting Module; Image Tubes. INSTRUMENTS for Signal Recovery: Lock-in Amplifiers; Light Choppers; Digital Delay Generator; Multi Channel Scaler. OTHERS: Trigger Transformers, Capacitors, LED Optics and Fresnel Lenses.

Horiba Jobin Yvon SAS

#1208

16-18 rue du Canal, Longjumeau cedex, France, 91165
+33 1 64 54 13 00; fax +33 1 69 09 07 21
info@jobinyvon.fr; www.jobinyvon.fr

HORIBA Jobin Yvon is one of the world's largest manufacturer of analytical and spectroscopic systems and components: Analytical and modular research spectrofluorometers for lifetime and steady-state. Raman spectrometers. Particle size analyzers. X-ray fluorescence. Spectrographs, CCD & ICCD detectors, light sources and modular spectroscopic systems. Real time in-line characterization of thin films and process control. Industrial and spectroscopic ellipsometers. Contact: Michel Plockyn, michel.plockyn@jobinyvon.fr.

id Quantique SA

#206

Chemin de la Marbrerie 3, Carouge/Geneva, Switzerland, CH-1277
41 22 301 83 71; fax 41 22 301 83 79
info@idquantique.com; www.idquantique.com

New Product: World smallest and fastest single photon counter at VIS wavelength, the id100.

id Quantique is a Swiss company specialized in photon counting. Its product lines include a NIR (900 - 1700 nm) and a VIS (350 - 900 nm) Single Photon Detection Module. Available both with single- or multimode fiber as well as free space input. Id Quantique also produces a short pulse laser source at 780, 850, 1310 or 1550nm. Applications: Quantum Optics, spectroscopy and LIDAR. Other products are Quantum Key Distribution (QKD) systems and Quantum Random Number Generator (QRNG). Contact: Leonard Widmer, Vice President Sales, leonard.widmer@idquantique.com.



The id100-OEM, the world's smallest single photon counter.

III-Vs Review - Elsevier

#1604

The Blvd, Langford Ln, Oxford, United Kingdom, OX5 1GB
44 1865 843644; fax 44 1865 843971
iii-vs@elsevier.com; www.three-fives.com

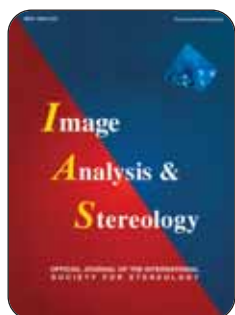
III-Vs Review is the leading international compound semiconductor magazine. Launched more than 15 years ago *III-Vs Review* has long been established as the essential resource for professionals at compound-based semiconductor fabs and foundries. *III-Vs Review* brings you: Business and technology news; Market analysis; Technical feature articles; Events diary; Materials and device R & D; Expert overviews. Go to www.three-fives.com to register for a free sample copy.

Image Analysis & Stereology

#1600

Medical Faculty, Korytkova 2,
Ljubljana, Slovenia, SI-1000
386 1 5437 312; fax 386 1 5437 301
ida.erzen@mf.uni-lj.si;
www.wise-t.com/ias

International Society for Stereology is exhibiting its journal, Image Analysis & Stereology.



Imagine Optic

#1209

18 rue Charles de Gaulle, Orsay, France, F-91400
33 1 648 61560; fax 33 1 648 61561

New Product: New software version; Mirao: High dynamic deformable mirror; New HASO128 + HASO64 + HASO UV.

Imagine Optic is Europe's leading provider of Shack-Hartmann wavefront sensing technologies for adaptive optics, quality control and optical measurement. Since 1996, we've been supplying industry leaders around the world with the high-quality products and services that they need to perform. From X-EUV, to the visible light spectrum and on to NIR (near infra-red), we develop, manufacture and support the largest range of wavefront measurement and correction technologies available. Contact: Caroline Adam, Sales Engineer, cadam@imagine-optic.com; Jérôme Ballesta, Sales Engineer, jballesta@imagine-optic.com.



New HASO 64 and 128: still the biggest dynamic, high absolute precision. More compactness, wider connectivity, easy integration.

Keopsys

#305

21 Rue Louis de Broglie, Lannion, France, F-22300
33 296 050 800; fax 33 296 050 801
websales@keopsys.com; www.keopsys.com

New Product: 10W CW 1,5µm optical amplifier singlemode longitudinal.

Keopsys, based in Lannion, France, designs and manufactures high power and high performance optical amplifiers and fiber lasers for industrial, Telecom, CATV, research labs and defence applications.

Laser Components GmbH

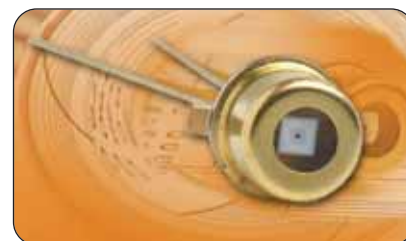
#314

Werner von Siemens Str 15, Olching, Germany, 82140
49 8142 28640; fax 49 8142 286411
info@lasercomponents.com; www.lasercomponents.com

New Product: New additions to our extensive line of avalanche photodiodes.

Silicon and InGaAs APD are the perfect match for our 905 and 1550 nm Pulsed Laser Diodes. Laser Components is also recognized as one of Europe's leading high power laser coating manufacturers and supplies the spectroscopic community in industry and research labs for their infrared spectroscopic needs.

Products include high power laser optics, the SPECILAS® line of spectroscopic grade NIR lasers including DFB's and QCL's, FLEXPOINT® laser diode module series. Contact: Sven Schreiber, Export Manager, s.schreiber@lasercomponents.com.



New Avalanche Photodiodes made by LASER COMPONENTS perfectly complement the existing range of pulsed lasers.

Laser Focus World

#209

SPIE Corporate Member

PennWell Publishing, 98 Spit Brook Rd, Nashua, NH, 03062-2810
603/891-0123; fax 603/891-0574
www.laserfocusworld.com

Laser Focus World is a monthly magazine for engineers, researchers, scientists and technical professionals providing comprehensive global coverage of optoelectronic technologies, applications and markets. The magazine reports on and analyzes the latest developments and significant trends in both technology and business in the worldwide optoelectronics and photonics industry.
Contact: Christine Shaw, Vice President/Group Publisher, christines@pennwell.com.

LEDIL

#212

Tehdaskatu 13, Salo, Finland, 24100
358 40 833 8330; fax 358 2 733 8001
ledil@ledil.com; www.ledil.com

New Product: Ultra-High Accuracy Plastic Lenses for Semiconductors, including LEDs, lasers, ensors, fibers.

LEDIL designs, manufactures and sells standard and customer-specific optical elements, opto-electronic modules and complete lighting products for a wide variety of application areas. Common nominator for all of them is the need for a sophisticated, accurate optical solution and a cost effective mass production. Core competence areas in manufacturing are: Injection molding, further processing and joining of plastics parts, assembly automation, coatings, electronics manufacturing and testing.
Contact: Tomi Kuntze, tomi.kuntze@ledil.com; Kari Lehtinen, kari.lehtinen@ledil.com.



Standard & Customized Precision Plastic Lenses for Semiconductors.

Leoni Fiber Optics GmbH

#307

Muehldamm 6, Neuhaus-Schierschmitz, Germany, 96524
49 36764 81100; fax 49 36764 81110
www.leoni-fiber-optics.com

LEONI Fiber Optics is your specialist for all fiber optic applications e.g. in local area networks, the telecommunications sector, industrial environments, sensor technology, medical or traffic engineering. Our product range includes standard multi-mode and single-mode fibers, POF, PCF and special silica fiber cables, fiber bundles, cable assemblies, connectors, assembly and measurement tools. We also offer customized cable solutions. Contact: Imke Kuester, imke.kuester@leoni.com.

Light Guide Optics Germany GmbH

#511

Heerstrassen Benden 10, Rheinbach, Germany, 53359
49 2226 158516; fax 49 2226 158520
info@lgoptics.de; www.lgoptics.de

Optical fibres, cables, bundles, fused end bundles for sensoric, analytic and Laser application in industry and medical. Contact: Peter Taenzer, Sales & Marketing Manager, taenzer@lgoptics.de; Wolfgang Mielke, Sales & Marketing Manager, mielke@lgoptics.de.

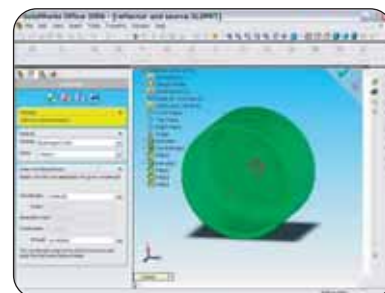
Light Tec

#1210

Espace Alexandra, 359 rue St Joseph, Hyeres, France, F-83400
33 494 121 848; fax 33 494 121 849
sales@lighttec.fr; www.lighttec.fr

New Product: NEW: The TracePro Bridge for SolidWorks.

LIGHT TEC European distributor for optical design and measurements tools from Lambda Research, Optiwave, Gamma Scientific, Apogee, ESDI and offers services: Technical support, training course, consulting, source and material measurements.
Contact: Yan Cornil, Manager; Ingrid Lisador, Sales Assistant.



Mechanically accurate models with complex geometry are built in SolidWorks.

LightConversion

#211

Sauletekio 10, Vilnius, LT-, Lithuania, 10223
+3705 2491830; fax +3705 2698723
lc@lightcon.com; www.lightcon.com

New Product: Femtosecond DPSSL system "PHAROS" for research and industry: 4W, 100 kHz, 180 fs. OPA: 620-2600 nm +harmonics, ~100fs.

Light Conversion is the world leading producer of continuously wavelength tunable ultrafast light sources based on TOPAS series of optical parametric amplifiers and frequency mixers. Since then over 350 of "TOPAS" and "TOPAS-white" systems, many of those tailored to meet very specific customer requirements, have been installed worldwide. Contact: Linas Giniunas, R&D Physicist, linas.giniunas@ff.vu.lt; Algirdas Juozapavicius, Director, algis@lightcon.com.

LightTrans GmbH

#311

Wildenbruchstr 15, Jena, Germany, 07745
49 36 41 66 43 53; fax 49 36 41 66 43 54
service@lighttrans.com; www.lighttrans.com

New Product: DWDM components, lasers and test instruments from Santec, the leading DWDM solution supplier.

Santec's latest components include both tunable devices and integrated solutions enabling compact reconfigurable systems to be realized at low cost. The tunable laser provides over 10dBm of power over a full 40nm range, the tunable filter allows channel selection from a 100GHz grid, with high isolation over a 35nm tuning range. Contact: Tsutomu Azuma, Sales; Soichi Kita, Sales.

VirtualLab™ optics software provides you with unique flexibility in optical modelling including micro and diffractive optics.



LINOS Photonics France

#303

90 Avenue de Lanessan, Champagne Au Mont d'Or, France, F-69410
33 4 72 52 04 20; fax 33 4 72 53 92 96
info-fr@linos.com; www.linos.com

As a combination of SPINDLER & HOYER, GSÄNGER and RODENSTOCK Präzisionsoptik, LINOS is a manufacturer of sophisticated optical components and systems. LINOS is a reliable partner for customized solutions: Analysis, development, prototyping and serial production. In addition, LINOS supplies more than 4000 different standard components (catalog) for high-end solutions in industry and public research institutions.



Optical Fibers, Couplers, & Collimators for LASER measurement applications.

LOT-Oriel

#1002

4 Allee Des Garays, Palaiseau, France, F-91120
33 1 69 19 49 49; fax 33 1 69 19 49 30
contact@lot-oriel.fr; www.lot-oriel.fr

LOT-ORIEL is a European wide distribution group. Specialized originally in optics and optical systems, new fields of activities are continuously added to the sales program. Today, the surface analysis group is becoming an important part for all of the different subsidiaries. LOT's expertise and quality support is recognized in many fields such as infrared thermography, interferometry, spectroscopic ellipsometry, Atomic Force Microscopy and multispectral imagery.

Lumera Laser GmbH

#510

SPIE Corporate Member

Opelstr 10, Kaiserslautern, Germany, 67661
49 6301 703 180; fax 49 6301 703 189
info@lumera-laser.com; www.lumera-laser.com

New Product: SUPER-RAPID picosecond laser for micromachining with up to 8 W of output power, UV - IR.

LUMERA LASER develops and manufactures IR, VIS and UV ultrashort pulse lasers for industrial and scientific applications: Pulse energies up to 0.5 mJ, repetition rates up to 500 kHz and average power up to 10 W TEM₀₀. An application lab with extensive experience is available. Custom systems can be developed. Contact: Bernhard Klimt, Director Marketing & Sales, klimt@lumera-laser.de.



RAPID picosecond laser for high quality micromachining with pulses on demand.

Lyncée Tec SA

#115

PSE-A Ecoblens, Lausanne, Switzerland, 1015
41 21 693 02 20; fax 41 21 693 02 29
info@lynceetec.com; www.lynceetec.com

New Product: New generation of real time digital holography microscopes for nano 3d observation called dhm-1000.

Lyncee Tec SA (Lausanne, Switzerland) designs, manufactures and sells digital holography microscopes working in reflection or transmission mode which combines simultaneously real-time, non-contact and non-invasive 3D observations with nanometric resolution unaffected by the surrounding environments. The DHM equipment used in conjunction with our proprietary software is used in Scientific Research and QC in production for applications in material and life sciences.



The R1000 digital holographic microscope in reflection configuration by LynceeTec.

M.C.S.E.

#1302

38 rue de la Station, Franconville, France, F-95130
33 1 3415 2822; fax 33 1 34 15 28 86
mcse@club-internet.fr

New Product: Plasma Process Technology. ICP Etcher SI 500 and ICPECVD SI 500D.

MCSE is offering optical materials under the shape of blanked and finished parts. Our business in plasma allows us to offer etching and CVD systems to get nanostructures. Contact: Daniel Lequien, Manager, contact@mcse.fr.

NEW Film Thickness Probe Reflectometer; Very accurate measurements of reflectance by the use of a special microscope for tilt and height adjustment of sample.



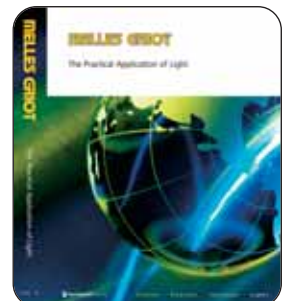
Melles Griot Industrie

#702

12 avenue Jean Bart, Voisins Le Bretonneux, France, F-78960
33 1 30 12 06 80; fax 33 1 30 60 08 51
info.france@mellesgriot.com; www.mellesgriot.com

New Product: Diode pumped solid state laser 473, 488, 532, 561 nm New Power and Energy meter.

Melles Griot designs, manufactures, sources, distributes and services photonics related components and subsystems. We offer flexible solutions to the global marketplace that serve to create light, control its efficient use and reliably hold or position photonics devices. We serve Original Equipment Manufacturers, Institutional Research, Product Development and Capital Equipment applications. Contact: Daniel Hinz, Application Engineer, applications.europe@mellesgriot.com.



Please find the X catalog, the most complete in the photonics industry.

Miass Machinebuilding Plant #909

1 Turgoyak Rd, Miass, Russia, 456320
+7 3513 298 159; fax +7 3513 298 222
ved@mashzavod.miass.chel.su; www.mmz.ru

New Product: High pure silica glass with: Low OH content < 0,1 p.p.m, low bubble and inclusions content.

Miass Machinebuilding plant is a public enterprise with a wide range of products. The enterprise has high-precision equipment facilities to perform technological operations of any degree of complexity. The Plant has launched production of high pure silica glass KS-4V having few defects such as bubbles, inclusions, hydroxyl groups as well as impurities. KS-4V is applied to produce optical goods with high spectrum of transmission for high-precision devices. Contact: Victor Kekhter, Director of the Silica Glass Production, ved@mashzavod.miass.chel.su; Igor Varbansky, Deputy Manager of Miass Machinebuilding Plant, ved@mashzavod.miass.chel.su.

MICOS GmbH #1100

Freiburger Str 30, Eschbach, Germany, 79427
49 7634 5057 230; fax 49 7634 5057 393
info@micos-online.com; www.micos.ws

New Product: MICOS presents laser kits, a new micropusher, airbearing rotary, elevation, vacuum and piezo stages.

MICOS presents educational laser kits, a new micropusher MP15, an airbearing rotary stage, a new elevation stage ES100, vacuum stages and piezo stages as well as a micropositioning device with 6 degrees of freedom like a hexapod. Applications in semiconductor industry, lasertechnology, biotechnology, sensors and Space industry. Contact: Wolfgang Meienburg, wolfgang.meienburg@micos-online.com.



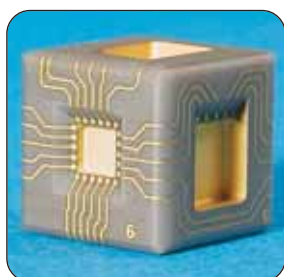
New Elevation stage for sub-µm adjustment with scale option.

Microcertec #1308

47 Allee du Clos des Charmes, Collegiens, France, 77615
+33 1 60 06 63 64; fax +33 1 60 05 32 51
info@microcertec.com; www.microcertec.com

New Product: Ceramic 3-D interconnection circuit boards.

Microcertec is specialized in manufacturing custom-made ceramic components by using precision grinding, high-precision ultrasonic machining, laser micromachining and PACVD thin-film metallising techniques. Typical products for the photonics industry are: Reflectors for pumping chambers, insulators for gas lasers, heat sinks for high-power laser diodes, chip carriers for infra-red detectors, structural parts for switches. Contact: Alain Charbonnier, Managing Director, alain.charbonnier@microcertec.com; Francois Irlinger, Chairman, francois.irlinger@microcertec.com.



Ceramic 3-D interconnection chip carriers offer optimised packaging solutions for optoelectronics & microelectronics devices.

Multiwave Photonics #904

Rua Eng Frederico Ulrich 2650, Moreira da Maia, 4470-605, Portugal
351 22 9408260; fax 351 22 9408261
jsalcedo@multiwavephotonics.com

Nalux Co., Ltd. #906

Yamazaki 2-1-7, Shimamaoto-cho, Mishima-gun, Osaka, Japan, 618-0001
81 75 963 3456; fax 81 75 963 3450
sales-osaka@nalux.co.jp; www.nalux.co.jp

New Product: Glass free-form, Glass-Plastic hybrid microlens, Plastic optics resistant to short-wavelength laser.

Nalux mainly offers the following plastic optics: Collimator and diffractive grating for pickup optical systems, Free-form surface for laserbeam printers, Roof prism and other prisms for cameras, Microlens array for various applications and other optics for imaging and collective optical systems. Contact: Seiichiro Kitagawa, President, sei-kitagawa@nalux.co.jp; John Verleyen, EU Liaison, john.verleyen@nalux.co.jp.

Nanotechnology in Northern Europe Congress & Exhibition #1602

Spinverse Consulting, Teknlikantie 14, Espoo, Finland, 02150
358 40 589 6263; fax 358 9 2517 7888
info@nano.fi; www.nano.fi

New Product: NTNE2006 Congress and Exhibition, 16-18 May 2006, Helsinki, Finland.

Nanotechnology in Northern Europe 2006, Congress & Exhibition, 16-18 May 2006, Helsinki, Finland. Largest nanotechnology event in Northern Europe! NTNE2006 combines latest research to industrial developments and gives you the opportunity to meet 400-500 scientists, industry experts, investors and up to 100 innovative companies. NTNE2006 exhibition is the key venue for nanotech instrumentation and meeting leading Nordic nanotechnology research centers.

Website: www.nano.fi.
Contact: Laura Juvonen, NTNE2006 Coordinator, laura.juvonen@spinverse.com.



Nanotechnology in Northern Europe 2006, Congress & Exhibition, 16-18 May 2006, Helsinki, Finland, www.nano.fi.

Nature Publishing Group #1102

The Macmillan Bldg, 4 Crinan St, London, United Kingdom, N1 9XW
fax 44 20 7843 4998
www.nature.com

New Product: Three new journals: Nature Physics, Nature Photonics, Nature Nanotechnology.

The Nature Publishing Group (NPG) portfolio combines the continued excellence of Nature and its associated research and review journals. Visit the NPG stand to find out more about two new journals, Nature Photonics and Nature Nanotechnology, including submission details and launch subscription prices. Also, pick up your free sample copy of Nature Physics and Nature Materials, place a subscription at reduced conference rates, and find out about advertising in any of our titles. Contact: subscriptions@nature.com.



New journals from Nature Publishing Group.

Newport Spectra-Physics #300

1 Rue Jules Guesde, 21 Bois de L'Epine, Evry, Cedex, France, BP189
33 160916868; fax 33 160916869
france@newport.fr.com; www.newport.com

New Product: 1935/2835 Series Single and Dual-Channel Optical Meters and Detectors.

Newport Spectra-Physics is a leading global supplier of solution to make, manage a measure light to the semiconductor, communications, electronics, research and life and health sciences markets. Contact: Dailia Ait Amir, dailia.aitamir@newport.com; Claude Minard, claude.minard@newport.com.



Newport debuts High-Performance Optical Meter that Delivers Best-in-class Performance and Versatility.

Nozomi Photonics #402

SPIE Corporate Member

174 Component Dr, San Jose, CA, 95131-1119
408/321-9872; fax 408/321-9307
info@nozomiphotonics.com; www.nozomiphotonics.com

New Product: 1x2, 1x4 and 2x2-array ultra fast optical switch subsystems.

World's fastest and most power-efficient optical switches subsystems are shown at Photonics Europe. The Nozomi Photonics' ultra high-speed optical switch subsystems feature rise and fall time of less than 6 ns, low power consumption and small form factor. Contact: Jerome Prieur, Director, jprieur@nozomiphotonics.com.

NP Photonics #304

9030 S Rita Rd Ste 120, Tucson, AZ, 85747
520/799-7400; fax 520/799-7403
info@np Photonics.com; www.npphotonics.com

NP Photonics is producing innovative glass and fiber to design and manufacture a new class of advanced optical light sources. The products are based on proprietary glass, fiber and intelligent controls. NP Photonics single frequency fiber lasers are optimized for low phase & intensity noise, along with broadband ASEs optimized for high power & bandwidth. These products are positioned for sensing applications that utilize optical fiber, R&D/scientific markets and biomedical OCT applications. Contact: Philippe Brak, Vice President of Sales and Marketing, pbrak@np Photonics.com.



Scorpion Fiber Laser: Low-Noise, Single-Frequency, >125 mW, <3 kHz Linewidth for Fiber Sensing and LIDAR.

NT MDT Co. #1005

Arnhemseweg 34D, Apeldoorn, Netherlands, NL-7331 BL
31 55 540 25 65; fax 31 55 540 25 66
mail@ntinstruments.com; www.ntinstruments.com

New Product: NTEGRA Tomo: 3D reconstruction of inner object structures.

NTI is the EU representation of NT-MDT, which is established in Zelenograd, close to Moscow. NTI sells a broad spectrum of Scanning Probe Microscopes and accessories. The SPM's are NT-MDT branded and cover a large number of applications. There are models for biomedical applications, for the research of magnetic materials, for the semiconductor and CD industry, for chemistry and high throughput experimentation and many more. Contact: Mathieu Charestan, charestan@ntinstruments.com; A. Benjamins, benjamins@ntinstruments.com.

Nuvonyx Europe SA #815

Route Departementale 128 , BP 46, Orsay Cedex, France, 91401
33 1 69 33 06 61; fax 33 1 69 33 06 62
alain.grelet@nuvonyx-eu.com; www.nuvonyx.com

New Product: Optical power of QCW stacks is increased with diode bars over 150W QCW. Design is qualified to operate under highly severe environments.

NUVONYX Europe (formerly Thales Laser Diodes) with NUVONYX Inc. is a leading manufacturer of highly reliable Power Laser Diodes. A whole range products: CW diode bars CW stacks and sources, fiber coupled diodes and systems, high temperature QCW Stacks are manufactured for pumping solid state lasers or direct use. Products are designed for Aerospace, Defense, Space, Industrial Manufacturing and Medical Applications. Contact: Alain GRELET, Product Sales Manager, alain.grelet@nuvonyx-eu.com; Gérard VOLLUET, Marketing and Sales Manager, gerard.volluet@nuvonyx-eu.com.

Ocean Optics B.V. #500

Geograaf 24, Duiven, The Netherlands, NL-6921 EW
31 26 319 0500; fax 31 26 319 0505
info@oceanopticsbv.com; www.oceanoptics.com

New Product: USB4000: Our next-generation spectrometer, with a 3648-element Toshiba linear CCD array.

Ocean Optics is a diversified electro-optics company and specializes in optical sensing, optical networking, display optics and biophotonics technologies. Our expertise in electro-optics, spectroscopy, optical fibers and precision optics offers great value to researchers and OEMs seeking a flexible, full-service supplier. With more than 60,000 optical sensing systems sold, Ocean Optics offers applications know-how that few manufacturers can match. Contact: Roland Kuijvenhoven, roland.kuijvenhoven@oceanoptics.com; Kees van de Steeg, keesvds@oceanoptics.com.



Ocean Optics introduces the new USB4000, our next generation miniature spectrometer.

OFS Fitel Specialty Photonics Div. #316

55 Darling Dr, PO Box 1260, Avon, CT, 06001

OLLA Project #EPIV2

Philipsstrasse 8 (PVI.538), Aachen, Germany, 52068
+49 241 539 3161; fax +49 241 539 2399
visser@olla-project.org; www.olla-project.org

New Product: Organic Leds (OLEDs) for Lighting Applications.

The European Project OLLA targets the development of Organic Leds (OLEDs) for Lighting Applications. OLEDs are novel flat high-brightness solid-state lighting sources, which are also extremely energy efficient. In-depth research is required to make OLEDs a commercial reality. The OLLA consortium develops new high-efficient materials, research the most stable device architectures and finds cost-effective processing technologies. See some OLED examples on our today! www.olla-project.org. Contact: Peter Visser, visser@olla-project.org; Dietrich Bertram, bertram@olla-project.org.



A research demonstrator of a white OLED lighting panel (source NOVALED / OLLA project).

Omega Optical, Inc.

#201

SPIE Corporate Member

Delta Campus , Omega Drive, Brattleboro, VT, 05301
802/254-2690; fax 802/254-3937
sales@omegafilters.com; www.omegafilters.com

Omega Optical has wide range of capabilities & product lines in the thin-film industry. We manufacture filters from UV to the near IR, including bandpass, longpass, shortpass, rejection band, neutral density, laser line, analytical, astronomy & fluorescence filters. Our custom and standard filters are being used as a critical component in the optical systems of a wide variety of instrumentation applications including life science, astronomy/aerospace, photolithography and many others. Contact: Ruth Gorham-Houle, Vice President of Business Development, rgorham@omegafilters.com; Kirk Winchester, OEM International Sales, kwinchester@omegafilters.com.



Precision optical filters for OEM instruments manufactured by Omega Optical.

OPERA-2015

#807

17 Rue Hamelin, Paris, France, F-75016
33 1 45 05 72 63; fax 33 1 45 05 72 63
info@epic-assoc.com; http://www.opera2015.org/home.asp

New Product: OPERA-2015 is informing the photonics community about the Photonics Technology Platform and FP-7.

OPERA-2015 is a coordination action sponsored by the European Commission and we are preparing the transition for photonics R&D from FP-6 to FP-7. The OPERA-2015 action is organizing Symposia and Workshops throughout Europe to encourage the broadest possible participation in the FP-7 photonics R&D programs. Attend the OPERA-2015 Symposium at Photonics Europe! Our next workshop is happening 12 to 14 October in Wroclaw, Poland. For further details, please contact EPIC (info@epic-assoc.com). Contact: Thomas Pearsall, General Secretary, pearsall@epic-assoc.com.



OPERA 2015 implements key strategies for Optics and Photonics for Framework Programme-7 of the European Commission.

OpTIC Technium

#506

St Asaph Business Park, St Asaph Denbighshire, United Kingdom, LL17 0JD
44 1745 535 100; fax 44 1745 535 101
www.optictechnium.com

OpTIC is a national resource in the UK for the development of optics, opto-electronics technology and businesses. The major thrust is to exploit near market technology and is centered on different areas of expertise which include: Ultra-precision surfaces for the production of large area optics, optical polymers to address new commercial opportunities, holography based products and thin film technology using MOCVD to generate new opto-electronics materials. Contact: Ian Maxwell, Marketing Manager, ian.maxwell@optictechnium.com.

OpticsPages

#111

Old Village Hall, The Street, Effingham Surrey, United Kingdom, KT24 5JS
44 1372 750522 ; fax 44 1372 750666
info@opticspages.com; www.opticspages.com

Optics Pages is an on-line buyers guide for the optics & photonics community. It has a unique intuitive structure to enable you to quickly search for the item you require and obtain useful search results. Visit our Stand to see how it works for yourself. Contact: Barbi Neat, Sales & Marketing.

Optima Research Ltd.

#1201

8 Riverside Business Park, Stoney Common Rd, Stansted, United Kingdom, CM24 8PL
info@optima-research.com; www.optima-research.com

New Product: We will be demonstrating the latest version of ZEMAX packed with new features.

Optima Research is the European supplier of the ZEMAX optical design software. ZEMAX is a comprehensive optical design software which helps you design classical optical systems, illumination systems, physical optics and more. ZEMAX is used by thousands of professional optical designers in both industry and academia world wide. Optima Research provides comprehensive technical support and training in the use of ZEMAX. We offer both public courses in the UK and private training courses. Contact: Jenny Warwick, General Manager; Neil Barrett, Optical Engineer.



A lens mount built in ZEMAX by subtracting several cylindrical volumes from a rectangular volume.

Opto & Laser Europe

#310

IOP Publishing Ltd., Dirac House Temple Back, Bristol, United Kingdom, BSI 6BE
44 117 929 7481; fax 44 117 930 1178
ole@iop.org; www.optics.org

Optics & Laser Europe is the leading European magazine for the photonics industry. Covering the global photonics industry, including opinion and analysis on the latest research and technologies, it provides its readers with news, R&D, features, Product Guides, extensive show previews and the quarterly EOS newsletter. To subscribe free of charge to Optics & Laser Europe complete the online form at http://optics.org/subscribe/ole. Contact: Geraldine Pounsford, Publisher, geraldine.pounsford@iop.org; Adrian Chance, Advertising Sales Manager, adrian.chance@iop.org.

Opton Laser International

#1303

Parc Club Orsay Université, 29 Rue Jean Rostand,
Orsay Cedex, France, F-91893
33 1 69 41 04 05; fax 33 1 69 41 32 90
ventes@optonlaser.com; www.optonlaser.com

New Product: 1550nm 100fs 250mW 100MHz fs fiber laser, supercontinuum, SHG. 355nm and 561nm cw microchip lasers.

Opton Laser is a leading supplier in photonics on the European market. The company offers a rich range of high quality products from the most innovative worldwide manufacturers. We are actively presents on the following markets: Scientific - Industrial - Biophotonics - Military - Aerospace - Telecommunications - Environment. Opton



1550nm, 100fs, 250mW, 100MHz femtoseconde fiber laser, supercontinuum, SHG.

Laser is based in Orsay, the heart of the most important scientific community in Europe. We have an international reputation as an exigent and professional partner. Contact: Vincent Aubertin, vincent.aubertin@optonlaser.com; Guillaume Delpont, guillaume.delpont@optonlaser.com.

Optronis GmbH

#301

Honsellstr 8, Kehl, Germany, 77694
49 7851 91260; fax 49 7851 91260 10
info@optronis.com; www.optronis.com

New Product: CamRecord 800 and NEW Streak camera system.

Optronis is a manufacturer of Streak cameras and high speed cameras with experience since 1986. In 2006 we present many new products like the new Streak Camera SC or the new CamRecord 800 which supplements the high speed series from Optronis. Contact: Dirk Schoch, Diploma in Engineering, schoch@optronis.com.



The CamRecord High-Speed Cameras offer frame rates of up to 1000 fps at MegaPixel resolution.

OWIS GmbH

#508

Im Gaisgraben 7, Staufen, Germany, 79219
49 7633 9504-13; fax 49 7633 9504-44
info@owis-staufen.de; www.owis-staufen.de

New Product: Complete piezo-driven rotary and linear nanopositioning systems - for manual operation; and measuring system for closed-loop operation.

OWIS has been developing, manufacturing and distributing components for the optical beam handling as well as highly precise positioning systems for over 25 years. OWIS products are used for R&D purposes and for industrial applications in many sectors. "Made in Germany" is still the company's maxim. An own development and ultramodern manufacturing make OWIS to the perfect system partner in connecting macro, micro and nano worlds. This ideal combination enables short-term adaptations of our catalogue products - up to customized solutions. Quality and precision are our top priority. Contact: Hans Jürgen Kiefer, Dipl.-Ing., hjk@owis-staufen.de; Andreas Wetzel, Dr., aw@owis-staufen.de.

OZ Optics Ltd.

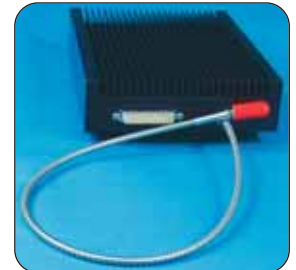
#312

SPIE Corporate Member

219 Westbrook Rd, Ottawa, ON, Canada, K0A 1L0
613/831-0981; fax 613/836-5089
sales@ozoptics.com; www.ozoptics.com

New Product: High Power Fiber Optic Patchcords.

Turnkey IR/VIS Stable Sources, Laser to Fiber Delivery Systems, Laser to Fiber Couplers with Adjustable Focus, Fiber Lasers, Collimators/Focusers, Laser Diode and Photodiode to Fiber Couplers, Educational Kits, U-Brackets, Vacuum/Hermetic Feedthroughs, Optical Delay Lines, Polarization Maintaining Patchcords/Miniature Connectors, Directional Taps/Power Monitors, RGB Combiners, Polarization Rotators/Controllers/Analyzers, Polarizers, Termination Kits, Fiber Isolators, Faraday Mirrors/Rotators. Contact: Omur Sezerman, President & Chief Executive Officer; Jamie Hackett, Marketing Manager.



Pulsed Fiber Sources With Multi-Kilowatt Output.

PCO AG

#514

Donaupark 11, Kelheim, Germany, 93309
49 9441 2005 0; fax 49 9441 2005 20
info@pco.de; www.pco.de

In 1987, PCO AG was founded with the objective to develop and to produce specialized fast and sensitive video camera systems, mainly for scientific applications. Meanwhile the product range of PCO cameras covers digital camera systems with high dynamic range, high resolution, high speed and low noise, which are sold in the scientific and industrial market all over the world.



pco.1200 hs - CMOS 10bit camera system suitable for highspeed recording in science and industry.

PhoeniX Software

#1106

PO Box 545, Enschede, Netherlands, 7500 AM
+31 53 4836460; fax +31 53 4337415
info@phoenixbv.com; www.phoenixbv.com

PhoeniX develops software for Micro System Technology to provide the bridge between the design team and the cleanroom environment. Re-usability, validation and quality improvement of information are the key factors for efficient product development. PhoeniX software integrates the production and design process to further reduce the design/production cycle and introduces unique software tools that facilitate First Time Right design (FTR) for various application areas, including Integrated Optics. Contact: Niels Olij, Chief Operating Officer, niels.olij@phoenixbv.com; Arjen Bakker, Chief Technology Officer, arjen.bakker@phoenixbv.com. sales@polymicro.com; www.polymicro.com

PHOREMOST

#EPIV4

Lee Maltings, Prospect Row, Cork Ireland



Lanyard Sponsor

Photon Design

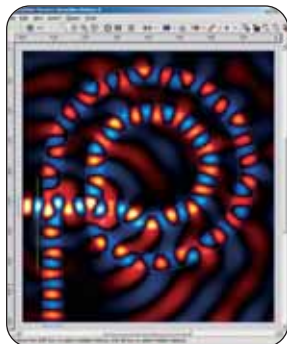
#1003

SPiE Corporate Member

34 Leopold St, Oxford, United Kingdom, OX4 1TW
44 1865 324990; fax 44 1865 324 991
info@photond.com; www.photond.com

New Product: CrystalWave-V4 - photonic crystal CAD now with clustering, nonlinearity and anisotropy and more.

Photon Design, founded in 1992, provides a wide range of photonics modelling software for integrated and fibre-based component design. Products include FIMMPROP-our revolutionary bi-directional optical propagation tool, FIMMWAVE-a 3D mode solver, CrystalWave-a complete photonic crystal simulator, OmniSim-a general purpose 3D FDTD simulator and CLADISS-2D- a powerful laser-diode/TWA model. Contact: Dominic Gallagher; Stephen Day.



OmniSim frequency domain simulation of a coiled waveguide.

Photonic Cleaning Technologies

#902

PO Box 435, Platteville, WI, 53818
608/467-5396; fax 608/467-5597
sales@photoniccleaning.com; www.photoniccleaning.com

New Product: Easy to use First Contact cleans, protects precision surfaces, leaves them optically clean.

First Contact is designed to remove dust, oils and contaminants from precision optics. It does that and a lot more. First Contact cleans diffraction gratings, is valuable in nanotech research, cleans optics and first surface mirrors without damaging coatings. It cleans and protects precision surfaces in handling, storage, assembly and shipping operations. Removes completely, leaves surfaces optically clean. Contact: Phil Jackson, President, jacksonp@photoniccleaning.com.



First Contact™ Cleans and Protects; Lenses-Mirrors-Diffraction Gratings-Wafers-Molds-Crystals.

Photonics Cluster (UK)

#405

Faraday Wharf, Holt St Aston Business Science Park, Birmingham, United Kingdom, B7 4BB
44 121 260 6020; fax 44 121 260 6450
info@photonicscluster-uk.org; www.photonicscluster-uk.org

Photonics Cluster (UK) is the fastest growing business network dedicated to supporting the photonics industry in the UK. The overall aim of the Cluster is to establish a dynamic hub of activity within the fully integrated supply chain of researchers, suppliers, manufacturers and sales distributors operating freely for the increased profitability of the sector and increased knowledge and wealth to the individual members. Contact: Hannah Gripton; Glenn Barrowman.

Photonics Spectra /EuroPhotonics

#509

SPiE Corporate Member

Berkshire Common, 2 South St, Pittsfield, MA, 01201-6109
413/499-0514; fax 413/442-3180
photonics@laurin.com; www.photonics.com

Photonics Spectra is the leading photonics magazine serving industries that use photonic technologies. Published monthly, it is distributed free to those who use or apply photonics. EuroPhotonics magazine provides accurate, readable and up-to-the-minute information about photonic products available in the European marketplace. Published bi-monthly, it is distributed free to readers in Europe and Israel who use or apply photonics. Contact: Tuckerman Moss, Group Editorial Director, pseditorial@laurin.com; Penny Pretty, Regional Manager, advertising@photonicsgroup.com.



Photonics Spectra is the leading photonics magazine serving industries that use photonic technology.

Photonis-DEP

#512

Dwazziewegen 2, Roden, Netherlands, NL-9300 AB
31 5050 18808; fax 31 5050 11456
sales@photonis-dep.com; www.photonis-dep.com

Photonis-DEP is the leading manufacturer of high performance Image Intensifiers, Low Light-Level Detectors, Photon Counters, Intensified CCD's (CMOS) and specific products. Sustained and continuing product development at Photonis-DEP results in products with unprecedented performance for wide ranges of analytical, industrial, scientific, surveillance and defense applications. Contact: Léon Bosch, International Sales Manager, l.bosch@photonis-dep.com, phone: 31-50-5018808.

Physik Instrumente (PI) GmbH & Co.

#404

Auf der Römerstr 1, Karlsruhe, MA, Germany, 76228
49 721 4846 0; fax 49 721 4846 299
info@pi.ws; www.pi.ws

New Product: The F-206 HexAlign™ 6D-System combines high resolution and accuracy with rapid response.

PI is a global market leader developing and manufacturing products in the field of micro- and nanopositioning technology for more than 35 years. PI is ISO9001 certified and has subsidiaries all over the world. Contact: Pierre Reinheimer; Frank Gehbauer.



The F-206 HexAlign™ 6-Axis Precision Alignment System combines high resolution and accuracy with rapid responses.

Piezosystem Jena, Inc.

#508

SPiE Corporate Member

Pruessingstrasse 27, Jena, D, Deutschland, 07745
508/634-6688; fax 508/634-6868
sales@piezोजना.com; www.piezोजना.com

New Product: nanoSXY piezostage: Fastest precision positioning; 400µm in XY; ultra flat design; sub-nm resolution.

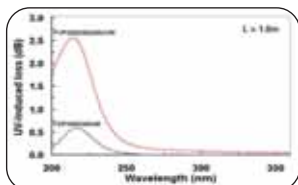
Piezosystem jena is a leading manufacturer of piezo based nanopositioning equipment for fiber alignment, beam steering, scanning, piezo actuators for test and measurement, mask alignment, nanometrology, microscopy, fiber optical switches and optical multiplexer. Contact: Audrey Roudil, Sales Manager France, audrey.roudil@trioptics.fr; Elmar Elbinger, Sales Manager, info@piezोजना.com.

Polymicro Technologies LLC

#306

18019 N 25th Ave, Phoenix, AZ, 85023-1200
602/375-4100; fax 602/375-4110
sales@polymicro.com; www.polymicro.com

Polymicro manufactures multimode, step-index fused silica optical fibers with polyimide, acrylate, silicone and aluminum buffers; solarization resistant optical fibers; hollow silica waveguides; fiber optic cables and assemblies; high strength, high temperature flexible fused silica capillaries; square capillaries; light guiding capillaries; custom precision silica and quartz rod and tubing pieces; custom shaped rod and tubing; multimode tubing; telecom ferrules and sleeves. Contact: Gary Stolte, Vice President, Sales & Marketing, sales@polymicro.com.



New Non-Solarizing Fibers.

Pyser-SGI Ltd.

#407

Fircroft Way, Edenbridge Kent, United Kingdom, TN8 6HA
44 1732 864111; fax 44 1732 865544
www.pyser-sgi.com

New Product: Digital microscope with advanced imaging s'ware, including image tiling & multi-focus image assembly.

Pyser-SGI will be demonstrating new digital microscopes with sophisticated imaging software. Also being shown will be the "Inspecta" product range, which includes modular microscope systems & components, magnifiers, portable microscopes, measuring systems & video inspection systems. Additionally there will be a wide range of micro-imaged products including reticles, stage micrometers, calibration standards, resolution charts, gratings, targets, precision apertures & transmission gratings. Contact: Neil Blackford, Divisional Head, sales@pyser-sgi.com.

Quantel

#507

BP 23, 17 ave de l Atlantique, Les Ulis, France, F-91941
33 1 6929 1700; fax 33 1 6929 1729
quantel@quantel.fr; www.quantel.fr

New Product: New Centurion 100 Hz DPSSL, 45 mJ at 1064 nm, extremely compact package, completely air-cooled.

QUANTEL manufactures mode-locked and/or Q-switched Nd:YAG laser systems, YAG pumped tunable dye lasers and solid-state laser systems; regenerative amplifiers; glass systems and associated components. Contact: Philippe Aubourg, Sales Manager.



BRIO by Quantel - The best peak power / footprint ratio; 120mJ / 5ns / 23x8cm².

Raicol Crystals Ltd.

#502

Industrial Zone, 15 Giron St, Yehud, Israel, IL-56217
972 3 936 7412; fax 972 3 906 8969
info@raicol.com; www.raicol.com

Raicol manufactures nonlinear optical crystals, including KTP, HGTR KTP, RTP and PPKTP. Raicol's newest products are the RTP electro-optic Q-switch operating at 1064 nm, 2000 nm and 2940 nm for high-power high-repetition rate applications, the monolithic KTP OPO and Barium Nitrate crystals. The patented technology of PPKTP fabrication makes it possible to produce elements for high efficiency applications in wide wavelength range from visible to mid-infrared. Raicol supplies Cr:YAG, BBO and LBO. Contact: Isaac Hazony, International Projects, info@raicol.com.

Resolve Optics Ltd.

#401

Unit 3 Asheridge Business Ctr, Asheridge Road,
Chesham Bucks, United Kingdom, HP5 2PT
44 1494 777 107; fax 44 1494 775 201
markpontin@resolveoptics.com

Resolve Optics Ltd has for over 20 years designed, developed and manufactured OEM quantity special optical lenses for small and large high technology businesses. Our customers have benefited from our novel and economic optical solutions. High technology markets. Contact: Mark Pontin, Sales Manager, markpontin@resolveoptics.com.

Rhenaphotonics Alsace

#1412

Parc d'Innovation - ENSPS, Boulevard Sebastien Brant
BP 10413, Illkirch, 67412, France
+33 3 90 24 46 38; fax +33 3 90 24 46 50
vparasote@rhenaphotonics.com

Alsace Optics and Photonics Cluster. Rhenaphotonics Alsace is a non-profit organization created in 2003 by the actors of optics and photonics in Alsace, a French region located on the border with Germany and Switzerland. It contributes to the economic development of the area by supporting the relations between the research laboratories and the Alsatian companies eager to benefit from these technologies.



Registration Insert Sponsor

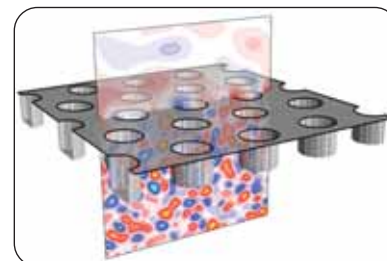
RSoft Design Group

#516

200 Executive Blvd, Ossining, NY, 10562-2560
914/923-2164; fax 914/923-2169
info@rsoftdesign.com; www.rsoftdesign.com

New Product: FemSim™ is a generalized mode solver based on the Finite Element Method (FEM).

RSoft is the worldwide leader in photonics design automation software and serves several industries including optical communication, optoelectronics and semiconductor manufacturing. Within optical communications, RSoft is the only company to provide a full range of design, optimization and planning tools. RSoft also provides award-winning design tools for optoelectronics components and subsystems as well as advanced electromagnetic modeling software for optical metrology and lithography. Contact: John Horgan, General Manager, RSoft Europe, John_horgan@rsoftdesign.com; Mehmet Bayrak, Sales Manager, RSoft US, mehmet@rsoftdesign.com.



LED Structure simulated with RSoft's FullWAVE software.

SAES Getters S.p.A.

#124

Viale Italia 77, Lainate Milano, Italy, I-20020
39 02 931781; fax 39 0293178320
www.saesgetters.com

New Product: High Grade Nd:YAG. Premium grade Nd:YAG crystal rod with low losses and superior efficiency.

At Photonics Europe the SAES Getters Group - a 60-year expertise in material science and thermal processes, eight manufacturing plants and a worldwide-based sales & service network - displays its advanced optical crystal product line for electro-optic devices and solid-state lasers. Contact: Mario Musolino, opto@saes-group.com.

Sanko Gosei Ltd.

#908

15 /17 Seddon Pl, Skelmersdale, United Kingdom, WN8-8EB
44 870 750 3400; fax 44 1628 781 607
martin.holland@sanko.co.uk; www.sankogosei.com

Sanko Gosei is a well established full service supplier of high quality components and systems, in various market sectors. From aerospace to air conditioning, and automotive to precision injection moulded optical systems, our 17 facilities in 11 countries ensure we deliver consistently from both local and global perspectives. With plastic engineering at the heart of our operations, our obsession with remaining completely customer focused ensures we consistently deliver above and beyond our clients expectations.



A new cost effective patented technology applies cleanable hard wearing antireflection coatings to plastic optics.

Santec Europe Ltd.

#910

Magdalen Ctr, Robert Robinson Ave, Oxford, United Kingdom, OX4 4GA
44 1865 784960; fax 44 1865 784961
info@santec.co.uk; www.santec.com

**New Product: High Performance Tunable Laser - TSL-510.
High Speed Scanning Laser for OCT - HSL-2000.**

Santec is an established manufacturer of fibre optic products. These include tunable lasers, tunable filters, variable attenuators, power monitors and filters for DWDM/CWDM and PON networks. Our range includes both test instruments and optical components. Although established as a supplier for the telecoms industry our products are also widely used throughout the fibre optics field and most recently in medical imaging systems using OCT (Optical Coherence Tomography) technology. Contact: David Heard, Managing Director; Simon Harris, Technical Sales Manager.

SEDI Fibres Optiques

#316

ZA St Guenault, 6 Rue Jean Mermoz, Courcouronnes, France, F-91080
33 1 69 36 64 00; fax 33 1 69 36 64 19
info@sedi-fibres.com; www.sedi-fibres.com

New Product: Fiber optic hermetic feedthrough delivered with test certificate for hermeticity or pressure.

Serving the special applications fiber optic market for more than 20 years SEDI Fibres Optiques offers a unique range of optical fibers and manufacture components (connectors, couplers, WDMs, collimators, filters), as well as custom designed assemblies for applications including high temperature, high pressure, biocompatibility, radiation resistance, vacuum chambers, severe chemical environment, power lasers, UV, IR, polarization maintaining devices, etc. Contact: Martine Debouige, General Manager, debouige.m@sedi-fibres.com; Hervé Aube, Technical Manager, aube.h@sedi-fibres.com.

Shimadzu France

#313

Le Promethee, 65 Avenue du General de Gaulle, Champs Sur Marne, France, 77420
+33 1 60 95 1010; fax +33 1 60 05 51 66
shimadzu@shimadzu.fr; www.shimadzu.fr

New Product: Brand new high-speed video camera up to 1 million fps with 100 frames of 312x260 capacity.

Shimadzu is a world-leading manufacturer of analytical instrumentation. Shimadzu develops and manufactures innovative products for laboratories in industry, science and governmental institutions. With our customer-oriented strategy and our high-quality service, we strive to be Europe's market leader. (chromatography, spectroscopy, environmental analysis...) Contact: Nicolas Jurczyk, Sales Engineer, nj@shimadzu.fr.

Sill Optics GmbH & Co., KG

#317

SPIE Corporate Member

Johann-Höllsritsch Str 13, Wendelstein, Germany, 90530
49 9129 9023; fax 49 9129 9023 23
info@silloptics.de; www.silloptics.com

New Product: Laser Optics, CCD Lenses, Profile-Projection-Lenses, Telecentric Lenses, OEM Optics, Illumination.

Sill Optics develops and manufactures a wide range of Telecentric lenses, Illumination Systems, CCD-Lenses with C-mounts, either of the shelf or customized manufactured. Scanlenses for Printing, Beamexpanders, Yag Focussing Optics, Profile Projector Lenses are in the program including. Custom made Optical Systems and components for Prototypes and series. Contact: Konrad Hentschel, konrad.hentschel@silloptics.de; Markus Klahr, markus.klahr@silloptics.de.



Variable LED dimmer - For all condensers, lenses with coaxial surface illumination and LEDs with current consumption between 50mA and 450mA.

SIOF-Italian Society of Optics and Photonics

#411

Via Madrona del Piano 10, Sesto Fiorentino, Italy, 50019
fax 39 055 5226312
siof@ifac.cnr.it

New Product: Optics in Italy: Directory of Italian optics and photonics companies and research labs.

SIOF, established in 1991 and since 2004 Italian Branch of the European Optical Society, is a reference for all the research groups and companies operating in Italy in optics, photonics and related areas. Its activity proceeds through the organization of Workshops, Conferences, and Working Groups. It also publishes a series of Conference Proceedings (Quaderni di Ottica e Fotonica). Contact: Stefano Pelli, Secretary, SIOF.

SIOS Meßtechnik GmbH

#508

Am Vogelherd 46, Ilmenau, Germany, 98693
508/634-6868; fax 508/634-6688
sales@sios.de; www.sios.de

New Product: Laserinterferometric vibrometer for noncontacting measurements of vibrations on any surfaces.

SIOS Meßtechnik GmbH manufactures laser-interferometric measuring systems for use in nanometrology that measure lengths, angles, vibrations or other parameters with ultrahigh precision and resolution. Our product line comprises a complete range of single and multi axes miniature interferometers, laser-interferometric vibrometers, nano positioning and nano measuring machines, stabilized HeNe Lasers and various special customized systems. Contact: Peter Grundschock, Diploma in Engineering (FH).



Laser interferometric vibrometer.



General Refreshment Sponsor

Specim Spectral Imaging Ltd. #903

SPIE Corporate Member

Teknologiantie 60, Oulu, Finland, FIN-90570
358 8 551 4495; fax 358 8 551 4496
specim@specim.fi; www.specim.fi

SPECIM is a world class supplier of hyperspectral imaging technology. Our products are based on proprietary, innovative imaging spectrograph technology. We supply robust, high performance imaging spectrographs, ImSpectors and SpectralCameras for industrial, medical, chemical and defence applications. They provide hyperspectral solutions from UV to SWIR (200-2500 nm). Our AISA

hyperspectral imagers provide compact, high performance, low cost solutions for remote sensing from aircrafts and UAVs. Contact: Timo Hyvarinen, Managing Director, timo.hyvarinen@specim.fi; Esko Herrala, Product Manager, esko.herrala@specim.fi.



Revolutionary hyperspectral camera FAST10 for process control and remote sensing acquires hundreds of spectral images.

SphereOptics GmbH #214

Bergstrasse 36, Uhldingen, Germany, D 88690
+49 7556 9299666;
fax +49556 5108
sphereoptics@t-online.de;
www.sphereoptics.com



SphereOptics LCS Series LED Characterization Systems.

Spiricon, Inc. #406

SPIE Corporate Member

60 W 1000 N, Logan, UT, 84341
435/753-3729; fax 435/753-5231
sales@spiricon.com; www.spiricon.com

Manufactures beam profilers & universal power/energy meters for lasers & optical devices from UV - FIR. Instrumentation provides real-time beam profile display & numerical calculations in digital, analog bar or time graph. Products include software, frame grabbers, full spectrum cameras and portable meters with dual inputs for thermopile, pyroelectric & semiconductor probes for power/energy or temp measurements. Features: SD card for logging, USB control to LabVIEW on Windows, Mac & Linux. Contact: Juergen Reingruber, Sales Manager Europe, reingruberj@spiricon.de; Nicolas Gatinot, Sales Engineer, gatinotn@spiricon.com.



New Spiricon ISO based laser beam analyser with high-resolution FireWire camera for pulsed and cw lasers.

SPIEWorks #907

PO Box 10, Bellingham WA 98227 USA
+1 360 676 3290; fax +1 360 647 1445
sales@spieworks.com; www.spieworks.com

SPIEWorks was developed by SPIE-The International Society for Optical Engineering to provide career services to the international engineering and scientific communities; SPIEWorks is not another "out-of-the-box" career website, but a custom site designed to serve the optics, photonics and imaging industry. Search jobs, research companies, read advice from the experts, create email alerts, and post your resume today! Visit www.spieworks.com. Need help finding the perfect candidate? Contact Dave Baggenstos at +1 360 715 3705 or email sales@spieworks.com

Taylor & Francis #606

4 Park Sq, Milton Park, Abingdon Oxfordshire, NH, United Kingdom, OX14 4RN
44 207 017 6419; fax 44 207 017 6715
angela.dickinson@tandf.co.uk; www.taylorfrancisgroup.com

Taylor Hobson #1306

Rond-Point de l'Epine des Champs, Bâtiment D, Elancourt, France, F-78990
33 1 30 68 89 30; fax 33 1 30 68 89 39
contact@taylor-hobson.fr; www.taylor-hobson.com

Taylor Hobson is an ultra-precision technology company operating at the highest levels of accuracy. We provide contact and non-contact measurement solutions.

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CCI 6000 ULN : the most accurate optical 3D surface profiler.

Texas Instruments DLP Products #205

6550 Chase Oaks Blvd, Plano, TX, 75023
888/357-2984; fax 214/567-9977
cvick@ti.com; www.dlp.com

New Product: DMD Discovery™ 3000 featuring the .7 XGA LVDS DMD.

DLP technology made by Texas Instruments is now available to developers to load data into the DMD and create light patterns with high update rates. Discovery products are flexible by design to facilitate exciting new products based on DLP™ technology. Contact: Cheraina Dunn, Business Development Manager, DLP Catalog.



DMD Discovery developer kit- designed to enable new applications of Texas Instruments' DLP Chip components.

Thales Laser SA

#1008

Domaine de Corbeville - RD 128, BP 46, Orsay Cedex, France, F-91401
33 1 69 33 94 48; fax 33 1 69 33 06 62
thales-laser@fr.thalsegroup.com; http://www.thales-laser.com
Part of the Thales Group, Thales Laser develops and manufactures high quality Diode-Pumped-Solid-State nanosecond and femtosecond lasers (a range of Nd:YAG and Nd:YLF is proposed at different harmonics and M_n values) and custom ultrafast systems. Our customer and partners list includes high technology firms, OEM integrators for industrial or instrumentation systems and prestigious laboratories worldwide.

Thermoteknix Systems Ltd.

#1309

Teknix House, 2 Pembroke Ave, Waterbeach Cambridge, United Kingdom, CB5 9QR
44 1223 204 000; fax 44 1223 201 010
sales@thermoteknix.com; www.thermoteknix.com
New Product: MIRICLE Ultra High Performance Miniature Ruggedized Thermal Imaging Cameras: New models announced.

With over 20 years' experience as one of the industry's leading IR digital engineering provider, Thermoteknix offer solutions including microbolometer high resolution IR cores with integral micro-processor image processing, stand-alone cameras to full systems with extensive application software. Thermoteknix ultra high performance MIRICLE[®] miniature imaging cameras feature the highest resolution uncooled microbolometer cores in their class and include hermetically sealed space qualified models. Contact: Dick Ludwig, Sales Manager (USA), d.ludwig@thermoteknix.com; Alistair Brown, Product Manager (Imaging), a.brown@thermoteknix.com.

TOPAG Lasertechnik GmbH

#1101

Nieder-Ramstaedter-Str, 247, Darmstadt, Germany, 64285
49 6151 4259 78; fax 49 6151 4259 88
info@topag.de; www.topag.de
New Product: THz spectroscopy kit for ultrafast spectroscopy in imaging, non-destructive testing and monitoring.

TOPAG Lasertechnik supplies gas lasers (HeCd, IR-HeNe, grating tuned CO₂), solid-state lasers (Nd:YAG, tunable lasers including Ti:Sapphire, OPO), THz spectroscopy components, diode lasers, laser diode modules, spectrometers, monochromators, laser accessories, mechanical mounts and positioners, laser and nonlinear crystals and materials, optical components, infrared viewers, holographic recording material, microchannel plates and detectors. Contact: Udo Umhofer, umhofer@topag.de.



Nanosecond pulsed DPSS Nd:YAG lasers from TOPAG offer high power kHz output.

TopGaN

#1104

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29/37 Sokolowska, Warsaw, Poland, PL-01-142
48 22 888 0028; fax 48 22 876 0314
sales@topgan.fr.pl; www.topgan.fr.pl
New Product: 100mW, CW operated violet laser diode, ultra-high quality free-standing HVPE substrates.
TopGaN Ltd. is the only company possessing the technology of production of dislocation free gallium nitride substrates. This technology is based on high-pressure crystal growth and was developed in Institute of High Pressure Physics "Unipress" in Poland. TopGaN offers pulse and CW operated violet laser diodes (100mW, CW) and high quality HVPE free standing crystals of GaN. Contact: Konstanty Donimirski, kdonimirski@unipress.waw.pl; Piotr Perlin, piotr@unipress.waw.pl.

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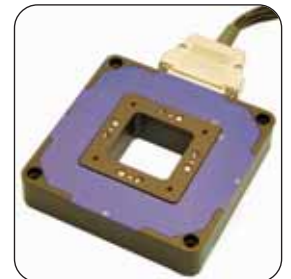
#1207

16 rue du Hainault, La Ferte Sous Jouarre, France, F-77260
33 1 60 22 02 12; fax 33 1 60 22 17 25
www.translux.fr
New Product: Precision optics components.
Moulded and pressed glass specialists; CNC machining 5 axis; Precision optic components; Vacuum coating for optics. Contact: Benoit Guitard, Chief Executive Officer, bguitard@translux.fr; Christophe Puisnel, Production Manager, cpuisnel@translux.fr.

Trioptycs France

#508

66 Av. Niels Bohr, Batiment CEI-BP 2132, Villeurbanne, France, F-69603
33 4 72 44 02 03; fax 33 4 72 44 05 06
info@trioptycs.fr; www.trioptycs.fr
Trioptycs France commercialize two ranges of products: Nanopositioning and Nanometrology: Owis: Transition stages, rotation stages, elevators, manual, motorized. Piezosystem Jena: Piezoelectric stages, actuators and controllers. SIOS: Miniature interferometers for distance and vibration measurements. Optical tests instruments: Trioptycs GmbH: Automatic benches for optical components surface and image characterization. 4D Technology: Interferometers insensitive to vibration. Contact: Jean-Marc Lioutier, General Manager, jeanmarc.lioutier@trioptycs.fr; Audrey Roudil, Sales Engineer, audrey.roudil@trioptycs.fr.



Tritor 200-20 from Piezosystem Jena distributed by Trioptycs France.

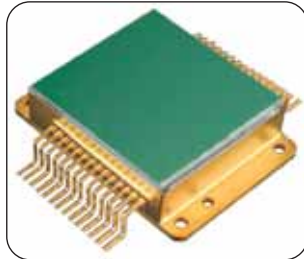
ULIS

#1302

PO Box 27 Zone Industrielle, Veurey Voroize, France, F-38113
33 4 76 5374 70; fax 33 4 76 5374 80
ulis@ulis-ir.com; www.ulis-ir.com

New Product: New IR detecot, 640x480/25µm, full TV resolution for low cost equipment.

ULIS is a subsidiary of SOFRADIR and CEA (French Atomic Energy Agency). The mission of ULIS is the development and the production of uncooled infrared detectors indented for use in the market for low cost infrared equipments. The technology of infrared detectors used by ULIS is based on a thermometer made from amorphous silicon. ULIS products allow new applications in the fields of safety, security, medical imaging, driver vision enhancement. Contact: Jean-Luc Tissot, Business & Technical Director, jl.tissot@ulis-ir.com; Jean-Louis Lauront, Area Manager, jl.lauront@ulis-ir.com.



The new microbolometer from ULIS is made from 640x480 pixel array 25µm in full TV resolution, well adapted for low cost thermal digital equipment.

ViALUX GmbH

#205

Reichenhainer Str 88, Chemnitz, Germany, 09126
49 371 5397 1443; fax 49 371 5397 1417
hoefling@vialux.de; www.vialux.de

New Product: ALP accessories for TI's developer kits DMD Discovery™ 1100 and 3000.

ViALUX is a Germany based company selling optoelectronic components and optical measuring systems based upon Texas Instruments' DLP® technology. ViALUX is well experienced in DMD Discovery™ applications, provides both standard and customized high-speed controllers and offers system integration support. Contact: Roland Hoefling, President.

Vision 2006

#805

Am Kochenhof 16, Stuttgart, Germany, 70192
49 711 2589 0; fax 49 711 2589 440
info@messe-stuttgart.de; www.messe-stuttgart.de

New Product: MiNaT: prec.mechanics, micro+nano technologies LASYS: system solutions in laser material processing.

VISION, www.vision-messe.de *Leading International trade fair for machine vision and identification technologies, November 2006. Contact: Silvia Blumenschein, Messe Stuttgart, International Project Coordination, silvia.blumenschein@messe-stuttgart.de.

Vision Systems Design

#209

98 Spit Brook Rd, Nashua, NH, 03062-2810
603/891-0123; fax 603/891-0587
www.vision-systems.com

VISION SYSTEMS DESIGN provides global coverage of vision and imaging components, subsystems and technologies and how they are integrated into leading-edge machine vision/industrial, medical, scientific and military/aerospace applications. Contact: Kathy Bush, Publisher, kathyb@pennwell.com.



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Wicked Lasers

#1109

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86 13524717140
b2b@wickedlasers.com; www.wickedlasers.com

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service@wiley-vch.de; www.wiley-vch.de
Scientific Books and Journals.

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580 Fisher Station Dr, Victor, NY, 14564
585/924-2294; fax 585/924-7660
sales@wordingham.com; www.wordingham.com

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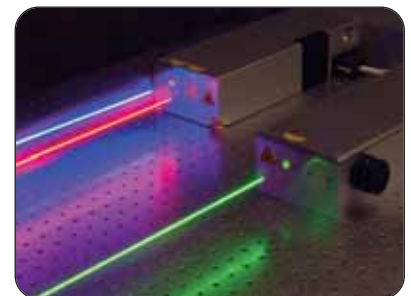
Xiton Photonics GmbH

#122

Openstr 10, Kaiserslautern, Germany, 67661
49 631 627 5915; fax 49 176 212 59078
sales@xiton-photonics.com; www.xiton-photonics.com

New Product: SLM-1.06-Q: Single frequency high repetition rate q-switched laser with 4W average power.

Xiton Photonics GmbH produces high beam quality q-switched kHz repetition rate laser systems for science and industry. Our competence is especially the nonlinear frequency conversion to generate powerful fixed and tunable laser light in the wavelength range between 4, 5µm-200nm. Solid state laser, DPSS, OPO, OPG, Q-switch. Contact: Jürgen Bartschke, jbartschke@xiton-photonics.com.



Powerful and reliable industry proven DPSS lasers at various wavelength are offered by Xiton Photonics GmbH, Germany.

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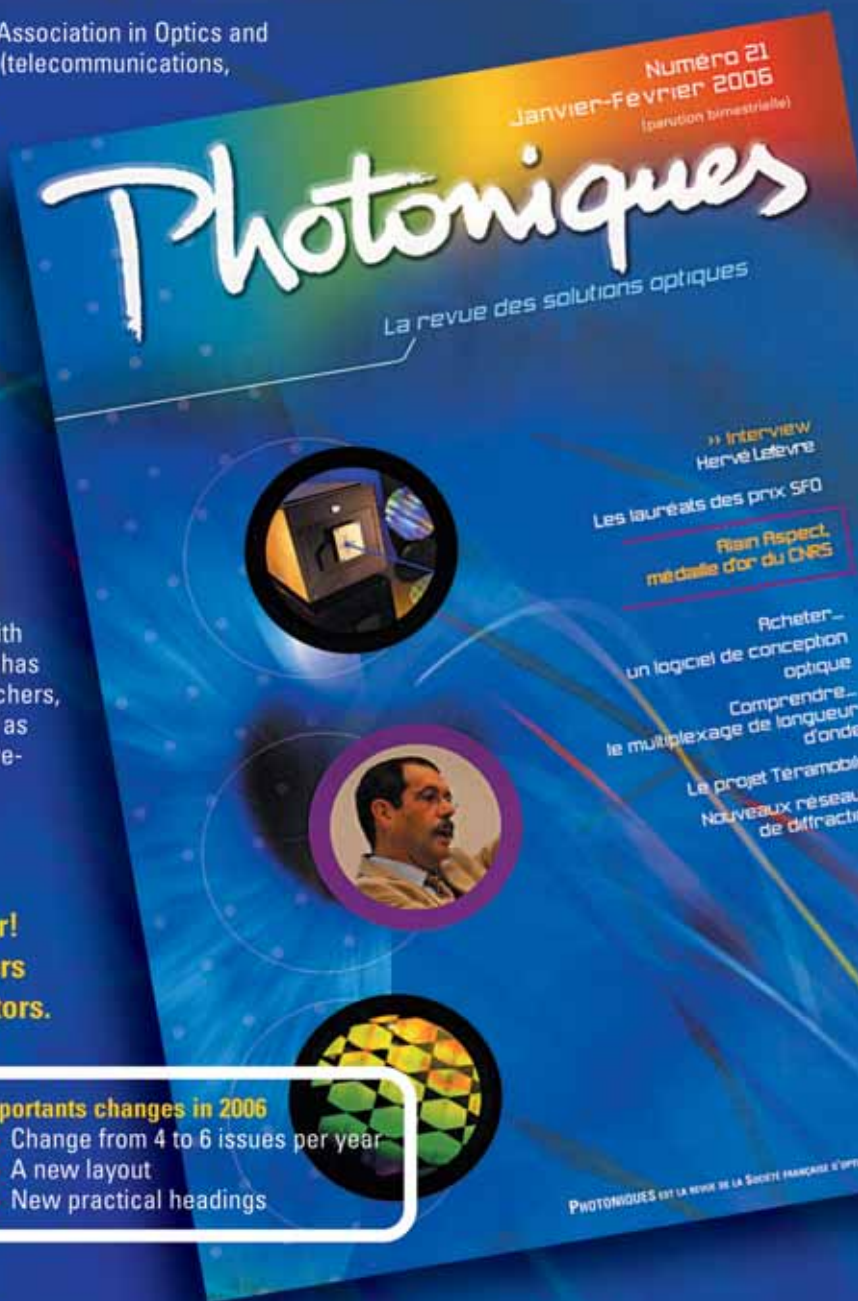
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A.R.T. Photonics GmbH
BFI Optilas International
Electro Optics Magazine
Electron Tubes
Fischer Connectors Sarl
FLIR Systems Ltd.
FRAMOS Electronic Vertriebs
GmbH
Hamamatsu Photonics France
Horiba Jobin Yvon SAS
Microcertec
NP Photonics
Photonis-DEP
Physik Instrumente (PI) GmbH &
Co.
Polymicro Technologies LLC
Specim Spectral Imaging Ltd.
Spiricon, Inc.
Thermoteknix Systems Ltd.
TOPAG Lasertechnik GmbH
TRANSLUX
Wordingham Technologies

Electronics, Signal Analysis Equipment

BFI Optilas International
Electro Optics Magazine
Fischer Connectors Sarl
Gilden Photonics Ltd
Laser Components GmbH
Physik Instrumente (PI) GmbH &
Co.
Spiricon, Inc.
Wordingham Technologies

EUV Lithography

AFOP - French Optics and
Photonics Manufacturers
Association
Electro Optics Magazine
European Network of Excellence in
Micro-Optics
Imagine Optic
M.C.S.E.
Nalux Co., Ltd.
Physik Instrumente (PI) GmbH &
Co.
Texas Instruments DLP Products

Fiber Optic Components, Equipment, Systems

A.R.T. Photonics GmbH
AFOP - French Optics and
Photonics Manufacturers
Association
Avantes BV
BFI Optilas International
CeramOptec GmbH
ECOC 2006
Electro Optics Magazine
European Network of Excellence in
Micro-Optics
Fogale Nanotech
Hamamatsu Photonics France
Laser Components GmbH
LEDIL
Leoni Fiber Optics GmbH
Light Guide Optics Germany
GmbH
Light Tec
LINOS Photonics France
Newport Spectra-Physics
Nozomi Photonics
NP Photonics
Nuvonyx Europe SA
Ocean Optics B.V.
OPERA-2015
Opton Laser International
OZ Optics Ltd.
Physik Instrumente (PI) GmbH &
Co.
Piezosystem Jena, Inc.
Polymicro Technologies LLC
RSoft Design Group
Santec Europe Ltd.
SEDI Fibres Optiques
Sill Optics GmbH & Co., KG
Spiricon, Inc.
Wordingham Technologies

Finished Optics, Filters, & Coatings, Optical Fabrication Equipment

AFOP - French Optics and
Photonics Manufacturers
Association
AHF analysentechnik AG
BFI Optilas International
CeramOptec GmbH

Davin Optronics Ltd.
Electro Optics Magazine
European Network of Excellence in
Micro-Optics
FLIR Systems Ltd.
Horiba Jobin Yvon SAS
Laser Components GmbH
M.C.S.E.
Newport Spectra-Physics
Ocean Optics B.V.
Omega Optical, Inc.
Opton Laser International
OZ Optics Ltd.
Photonic Cleaning Technologies
Physik Instrumente (PI) GmbH &
Co.
Pysen-SGI Ltd.
SAES Getters S.p.A.
SEDI Fibres Optiques
Sill Optics GmbH & Co., KG
Spiricon, Inc.
TRANSLUX

High Speed Imaging and Sensing

A.R.T. Photonics GmbH
AFOP - French Optics and
Photonics Manufacturers
Association
BFI Optilas International
Electro Optics Magazine
FLIR Systems Ltd.
FRAMOS Electronic Vertriebs
GmbH
Gilden Photonics Ltd
NP Photonics
Optronis GmbH
Photonic Cleaning Technologies
Photonis-DEP
Resolve Optics Ltd.
Santec Europe Ltd.
Specim Spectral Imaging Ltd.
Spiricon, Inc.
Texas Instruments DLP Products
ViALUX GmbH
Wordingham Technologies

Infrared Sources, Detectors, Systems

A.R.T. Photonics GmbH
AFOP - French Optics and
Photonics Manufacturers
Association
BFI Optilas International
Davin Optronics Ltd.
Edinburgh Instruments Ltd
Electro Optics Magazine
European Network of Excellence in
Micro-Optics
FLIR Systems Ltd.
Gilden Photonics Ltd
Hamamatsu Photonics France
HGH Systèmes Infrarouges
Horiba Jobin Yvon SAS
id Quantique SA
Laser Components GmbH
LEDIL
Newport Spectra-Physics
NP Photonics
Nuvonyx Europe SA
OPERA-2015
Opton Laser International
Shimadzu France
Spiricon, Inc.
Thermoteknix Systems Ltd.
TOPAG Lasertechnik GmbH
Trioptics France
Wordingham Technologies

Ion-Beam Lithography

AFOP - French Optics and Photonics Manufacturers Association
 Electro Optics Magazine
 European Network of Excellence in Micro-Optics
 Physik Instrumente (PI) GmbH & Co.

Lasers and Other Light Sources, Laser Accessories, Laser Systems

A.R.T. Photonics GmbH
 AFOP - French Optics and Photonics Manufacturers Association
 Ayase Europe GmbH
 BFI Optilas International
 CeramOptec GmbH
 Edinburgh Instruments Ltd
 EKSPLA Ltd.
 Electro Optics Magazine
 Gilden Photonics Ltd
 GWU-Lasertechnik GmbH
 Hamamatsu Photonics France
 HC Photonics Corp.
 Horiba Jobin Yvon SAS
 id Quantique SA
 Imagine Optic
 Keopsys
 Laser Components GmbH
 Light Tec
 LightConversion
 LINOS Photonics France
 Lumera Laser GmbH
 MICOS GmbH
 Microcertec
 Newport Spectra-Physics
 NP Photonics
 Nuvonyx Europe SA
 Ocean Optics B.V.
 OPERA-2015
 Optic Technium
 Opton Laser International
 OWIS GmbH
 OZ Optics Ltd.
 Photonic Cleaning Technologies
 Polymicro Technologies LLC
 Quantel
 RSoft Design Group
 SAES Getters S.p.A.
 Santec Europe Ltd.
 Sill Optics GmbH & Co., KG
 SIOS Messtechnik GmbH
 Spiricon, Inc.
 TOPAG Lasertechnik GmbH
 TopGaN
 Wicked Lasers
 Wordingham Technologies
 Xiton Photonics GmbH

Law Enforcement Technologies

Davin Optronics Ltd.
 Electro Optics Magazine
 FLIR Systems Ltd.
 Laser Components GmbH
 OZ Optics Ltd.
 Photonic Cleaning Technologies
 Polymicro Technologies LLC
 Resolve Optics Ltd.
 Thermoteknix Systems Ltd.

Metrology, Inspection and Process Control

A.R.T. Photonics GmbH
 AFOP - French Optics and Photonics Manufacturers Association
 Davin Optronics Ltd.
 Electro Optics Magazine
 European Network of Excellence in Micro-Optics
 Flexible Optical BV
 Fogale Nanotech
 Gilden Photonics Ltd
 HGH Systèmes Infrarouges
 Horiba Jobin Yvon SAS
 Imagine Optic
 Laser Components GmbH
 LINOS Photonics France
 Lyncée Tec SA
 M.C.S.E.
 MICOS GmbH
 Newport Spectra-Physics
 NP Photonics
 OPERA-2015
 Optic Technium
 OWIS GmbH
 OZ Optics Ltd.
 Photonic Cleaning Technologies
 Physik Instrumente (PI) GmbH & Co.
 Piezosystem Jena, Inc.
 Polymicro Technologies LLC
 Pyser-SGI Ltd.
 RSoft Design Group
 SIOS Messtechnik GmbH
 Specim Spectral Imaging Ltd.
 Taylor Hobson

TOPAG Lasertechnik GmbH
 Trioptics France
 Wordingham Technologies

Optical Components

A.R.T. Photonics GmbH
 AFOP - French Optics and Photonics Manufacturers Association
 AHF analysentechnik AG
 Ayase Europe GmbH
 BFI Optilas International
 Boehringer Ingelheim MicroParts GmbH
 CEDRAT Technologies
 CeramOptec GmbH
 Cristal Laser SA
 ECOC 2006
 EKSPLA Ltd.
 Electro Optics Magazine
 Electron Tubes
 European Network of Excellence in Micro-Optics
 Fischer Connectors Sarl
 Flexible Optical BV
 FLIR Systems Ltd.
 FRAMOS Electronic Vertriebs GmbH
 Fujian CASTECH Crystals, Inc.
 Gilden Photonics Ltd
 GWU-Lasertechnik GmbH
 Hamamatsu Photonics France
 HC Photonics Corp.
 Horiba Jobin Yvon SAS
 Laser Components GmbH
 LEDIL
 Leoni Fiber Optics GmbH

LINOS Photonics France
 M.C.S.E.
 Miass Machinebuilding Plant
 MICOS GmbH
 Nalux Co., Ltd.
 Newport Spectra-Physics
 Nozomi Photonics
 NP Photonics
 NT MDT Co.
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 OWIS GmbH
 OZ Optics Ltd.
 Photonic Cleaning Technologies
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 Raicol Crystals Ltd.
 Resolve Optics Ltd.
 RSoft Design Group
 Santec Europe Ltd.
 Sill Optics GmbH & Co., KG
 Specim Spectral Imaging Ltd.
 Spiricon, Inc.
 Texas Instruments DLP Products
 TOPAG Lasertechnik GmbH
 TRANSLUX
 Trioptics France
 ViALUX GmbH
 Wordingham Technologies

Optical Detectors

A.R.T. Photonics GmbH
 AFOP - French Optics and Photonics Manufacturers Association
 BFI Optilas International

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Gilden Photonics Ltd
GWU-Lasertechnik GmbH
Hamamatsu Photonics France
Horiba Jobin Yvon SAS
id Quantique SA
Laser Components GmbH
Newport Spectra-Physics
Ocean Optics B.V.
OPERA-2015
Opton Laser International
Photonic Cleaning Technologies
Photonis-DEP
Santec Europe Ltd.
Specim Spectral Imaging Ltd.
Spiricon, Inc.
Wordingham Technologies

Optical Fibers

A.R.T. Photonics GmbH
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Avantes BV
BFI Optilas International
CeramOptec GmbH
ECOC 2006
Electro Optics Magazine
European Network of Excellence in Micro-Optics
Fischer Connectors Sarl
Laser Components GmbH
LEDIL
Leoni Fiber Optics GmbH
Light Guide Optics Germany GmbH
Light Tec
Newport Spectra-Physics
NP Photonics
Ocean Optics B.V.
OPERA-2015
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Opton Laser International
OZ Optics Ltd.
Photonic Cleaning Technologies
Polymicro Technologies LLC
RSoft Design Group
Santec Europe Ltd.
SEDI Fibres Optiques
Sill Optics GmbH & Co., KG

Optical Materials and Substrates

AFOP - French Optics and Photonics Manufacturers Association
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HC Photonics Corp.
Laser Components GmbH
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Microcertec
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SAES Getters S.p.A.
TOPAG Lasertechnik GmbH

Optical Test and Measurement Equipment, Interferometer

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Gilden Photonics Ltd
HGH Systèmes Infrarouges
Horiba Jobin Yvon SAS
Laser Components GmbH
Leoni Fiber Optics GmbH
Light Tec
Lyncée Tec SA
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NT MDT Co.
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Opton Laser International
OWIS GmbH
OZ Optics Ltd.
Physik Instrumente (PI) GmbH & Co.
Santec Europe Ltd.
Shimadzu France
SIOS Messtechnik GmbH
Spiricon, Inc.
Taylor Hobson
TOPAG Lasertechnik GmbH
Trioptics France
Wordingham Technologies

Optical/Laser Microlithography

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OZ Optics Ltd.
Physik Instrumente (PI) GmbH & Co.
RSoft Design Group
Wordingham Technologies

Optics Manufacturing

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AFOP - French Optics and Photonics Manufacturers Association
Davin Optronics Ltd.
EKSPILA Ltd.
Electro Optics Magazine
European Network of Excellence in Micro-Optics
FLIR Systems Ltd.
Horiba Jobin Yvon SAS
Imagine Optic
Laser Components GmbH
LEDIL
Leoni Fiber Optics GmbH
LINOS Photonics France
Newport Spectra-Physics
Ocean Optics B.V.

OLLA Project
Omega Optical, Inc.
OPERA-2015
Pyser-SGI Ltd.
Resolve Optics Ltd.
Santec Europe Ltd.
Sill Optics GmbH & Co., KG
TRANSLUX
Wordingham Technologies

Photonics Equipment Manufacturer

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AFOP - French Optics and Photonics Manufacturers Association
Avantes BV
BFI Optilas International
Electro Optics Magazine
European Network of Excellence in Micro-Optics
Gilden Photonics Ltd
Horiba Jobin Yvon SAS
LightConversion
MICOS GmbH
Newport Spectra-Physics
Physik Instrumente (PI) GmbH & Co.
Santec Europe Ltd.
Specim Spectral Imaging Ltd.
Spiricon, Inc.
Thermoteknix Systems Ltd.
Wordingham Technologies

Resist Technology and Processing

Electro Optics Magazine
European Network of Excellence in Micro-Optics
Physik Instrumente (PI) GmbH & Co.

Sensor & Sensor Systems

A.R.T. Photonics GmbH
AFOP - French Optics and Photonics Manufacturers Association
BFI Optilas International
Boehringer Ingelheim MicroParts GmbH
Davin Optronics Ltd.
Edinburgh Instruments Ltd
Electro Optics Magazine
European Network of Excellence in Micro-Optics
Fischer Connectors Sarl
Flexible Optical BV
Fogale Nanotech
FRAMOS Electronic Vertriebs GmbH
HGH Systèmes Infrarouges
Laser Components GmbH
Leoni Fiber Optics GmbH
Light Guide Optics Germany GmbH
NP Photonics
NT MDT Co.
Ocean Optics B.V.
OPERA-2015

OZ Optics Ltd.
Physik Instrumente (PI) GmbH & Co.
RSoft Design Group
SIOS Messtechnik GmbH
Specim Spectral Imaging Ltd.
Spiricon, Inc.
ULIS
Wordingham Technologies

Services and Publications (Including Professional Societies)

AFOP - French Optics and Photonics Manufacturers Association
Alsace International
ECOC 2006
Electro Optics Magazine
European Optical Society (EOS)
Laser Components GmbH
Laser Focus World
Nature Publishing Group
Opto & Laser Europe
Photonics Spectra / EuroPhotonics
SIOF-Italian Society of Optics and Photonics
Vision Systems Design
Wiley-VCH GmbH & Co. KGaA

Software

AFOP - French Optics and Photonics Manufacturers Association
Electro Optics Magazine
European Network of Excellence in Micro-Optics
Flexible Optical BV
FRAMOS Electronic Vertriebs GmbH
Gilden Photonics Ltd
Light Tec
Optima Research Ltd.
PhoeniX Software
Photon Design
RSoft Design Group
Thermoteknix Systems Ltd.

Vacuum, Cooling, Gas Handling Equipment

Calcarb Ltd.
Electro Optics Magazine
Fischer Connectors Sarl
M.C.S.E.
MICOS GmbH
Physik Instrumente (PI) GmbH & Co.

X-Ray Lithography

Electro Optics Magazine
European Network of Excellence in Micro-Optics
Imagine Optic

ANNOUNCING TWO NEW JOURNALS

New in October 2006



nature
nanotechnology



Launching in October 2006, *Nature Nanotechnology* will provide a forum for the publication of top quality research, encompassing all aspects of nanotechnology where the core advancement being reported adds to the knowledge at the cutting edge of the field.

Aims and scope

Nature Nanotechnology will be defined by a lively mix of content of interest to physicists, chemists as well as materials and life scientists. In each monthly issue, in addition to carefully selected primary research articles, *Nature Nanotechnology* will provide a variety of information including editorials and commentaries, reviews, research highlights and news and views, which provide insights and analysis of the key advances reported within the broader literature.

Nanotechnology addresses the design, characterization, production and application of structures, devices and systems by the manipulation of materials at atomic, molecular and macromolecular scales.

Nature Nanotechnology will take a balanced approach to this field and will foster the exchange of ideas between scientists involved in different communities.

Each issue of *Nature Nanotechnology* will provide:

- **Research papers of the highest standard** — High quality, peer reviewed, authoritative research articles communicating the most significant findings to a broad multi-disciplinary readership
- **Reviews** — Top international researchers provide readers with a comprehensive overview of new developments in their field
- **Research Highlights** — Concise articles providing a summary of new research published in the wider literature
- **News and Views** — A detailed analysis of new research that is making the news
- **Commentary** — a forum for debate where experts discuss the implications of new developments in their field

www.nature.com/naturenanotechnology

New in January 2007



nature
photonics



Launching in January 2007, *Nature Photonics* will provide a unique forum for the publication of high quality research, encompassing all aspects of photonics and optoelectronics for scientists both in academia and industry.

Aims and scope

Nature Photonics will be a high profile peer reviewed journal committed to publishing the highest quality photonics and optoelectronics research covering all aspects of this dynamic field. *Nature Photonics* will offer news, reviews and commentary of the field alongside top-quality research papers both in print and online. The journal will be a key resource for chemists, physicists and materials scientists as well as engineers working in photonics and optoelectronics based both in academia and industry.

Photonics, including optoelectronics, addresses the fields of research dealing with all aspects of light creation, detection and manipulation as well as the interaction and combination of electronic and optical components. *Nature Photonics* will take a balanced approach to all these areas and its primary role will be to facilitate the flow of ideas to researchers in different communities.

Each issue of *Nature Photonics* will provide:

- **Research papers of the highest standard** — High quality, peer reviewed and authoritative research articles communicating the most significant findings to a broad multi-disciplinary readership
- **Reviews** — Top international researchers provide readers with a comprehensive overview of new developments in their field
- **Research Highlights** — Concise articles providing a summary of new research published in the wider literature
- **News and Views** — An in depth look at the wider issues of research making the news.
- **Commentary** — a forum for debate where experts discuss the implications of new developments in their field

www.nature.com/naturephotonics

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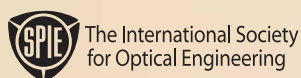
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