Photonics Europe
EXHIBITION GUIDE
Moving technology to market™

31 March-1 April 2020
Palais de la Musique et des Congrès
Strasbourg, France

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The leading source of photonics news, market trends and product applications. Sign up free to the weekly newsletter and we'll send the news to you.

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Get the latest industry news.

Visit us at Photonics Europe booth #103
See top companies at the Exhibition

OVER 100 COMPANIES CONNECTING RESEARCH AND INDUSTRY

The SPIE Photonics Europe Exhibition is a prime opportunity for researchers and engineers to connect with leading companies throughout Europe.

FIND ADVANCED TECHNOLOGIES
- Chemical and biological sensing
- Ion-beam, x-ray, EUV, electron-beam
- Clinical, chemical, and biological instrumentation
- Lasers and other light sources, laser systems and accessories
- Cameras and CCD components
- Metrology, inspection, process control
- Infrared sources, detectors, and systems
- Optical components, detectors, fibres, materials, substrates
- Displays, communications
- Optical test and measurement equipment
- Electronic imaging components, equipment, and systems
- Finished optics, filters and coatings, optical fabrication equipment
- Electronics and signal analysis equipment
- Optics manufacturing
- Software
- Photonics equipment manufacturing
- Fibre optic components, equipment, and systems
- Resist technology and processing
- High-speed imaging and sensing
- Optical test and measurement equipment
- Electronic imaging components, equipment, and systems
- Finished optics, filters and coatings, optical fabrication equipment
- Signal analysis equipment
- Optics manufacturing
- Software for simulation and design
- Photonics equipment manufacturing

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SPIE Europe Ltd., a subsidiary of SPIE, is a not-for-profit UK-registered company serving SPIE constituents throughout Europe as an advocate and liaison to political and industry associations within the European optics and photonics community. In addition to providing membership services, SPIE Europe Ltd. organises and manages internationally recognised conferences, education programmes, and technical exhibitions featuring emerging technologies in optics and photonics.

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Visit the Photonics Innovation Village
Showcasing developments from universities, nonprofits, and research centres.

Located in a special section of the exhibition

**PURPOSE OF THE INNOVATION VILLAGE**

- Support and publicise research teams from universities, non-profit institutions and research centres who are working on research, new applications and product development.
- Provide free exhibition space together with broad exposure and publicity to the young innovators who are developing the photonics-based products of the future.
- Showcase Europe’s (and the world’s) finest research programmes and to encourage the transfer of optics/photonics research and technology into new and useful products.

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2020 Competitors

**INNOVATION VILLAGE**

Organizations receive free exposure in the exhibition hall and take part in a competition for prizes by sharing their latest findings to industry innovators and other photonics visionaries.

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<td>Fiberspider - modular photonics prototyping</td>
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<td>Orel State University (Russia)</td>
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<td>AMT-LAZMA: Wearable blood flow sensor</td>
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<td>Aalto University, Finland</td>
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<td>A-PHOTONICS PROJECT: A compact sub-picosecond LASER with tuneable wavelength and controlled pulse rate</td>
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<td>Irish Photon Integration Centre (IPIC), Tyndall National Institute</td>
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<td>BIOPIXS: BioPixS mission is to create Standards in the field of Biophotonics through innovative phantoms that mimic tissue optical properties.</td>
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<td>Vrije Universiteit Brussel, Belgium</td>
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<td>CAPS CMOS SENSOR: A NIR-range fast camera allowing sub-nanosecond exposure time with picosecond timing control</td>
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<td>TU Wien, Austria</td>
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<td>INVISIBLE-LIGHT LABS: A NEMS-based detector with a high-sensitivity over a wide infrared range</td>
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<td>INSPER AND BRIGHT PHOTOMEDICINE: A low-level-light-therapy system to treat extensive wounds</td>
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<td>KAUST, Saudi Arabia</td>
<td>Saudi Arabia</td>
<td>LASER Lifi: A high-speed data communication transceiver based on a semiconductor laser</td>
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<td>4</td>
<td>Institut Pasteur, France</td>
<td>France</td>
<td>LICY2.0: An open-access and easy-access software for the analysis of biological images (microscopy, tracking, …)</td>
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<td>Ben-Gurion University, Israel</td>
<td>Israel</td>
<td>LIQSYS: Spectro-polarimetric imaging system for early-stage skin cancer based on compact liquid crystal devices</td>
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<td>6</td>
<td>Orel State University, Russia</td>
<td>Russia</td>
<td>NU-RISE: Using multiple low-cost and disposable probes with less than one millimeter in diameter, NU-RISE monitors the level of radiation being delivered near the tumor and the surrounding organs at risk. Combining this valuable data with NU-RISE’s advanced software, it’s possible to perform treatment adjustments every time a deviation occurs. Doctors can better target the cancer while protecting patients from unnecessary radiation and avoiding severe secondary effects. It’s an evolution for cancer treatment—faster, personalized, and safer cancer treatments.</td>
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<td>Vrije Universiteit Brussel, Belgium</td>
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<td>OPTICAL BIOPSY NEEDLE: A fluorescence and diffuse reflectance spectroscopy for optical biopsy</td>
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<td>Orel State University, Russia</td>
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<td>R&amp;D CENTER OF BIOMEDICAL PHOTONICS: The digital diaphanoscope for diagnosis of inflammatory diseases of the maxillary sinuses.</td>
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<td>Fakultät für Physik, LMU München und Qlibri Nano – An ultra-sensitive resonator-based Absorption Microscope</td>
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<td>Ghent University/QustomDot</td>
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<td>StealthTransit Team</td>
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<td>STEALTHTRANSIT: A system mountable on classical telescopes in order to make invisible the transit of satellites</td>
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MercuryTL™ Liquid Lens Telecentric Lenses
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Liquid Lens M12 Imaging Lenses
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SPIE Photonics Europe Industry Program3

These sessions provide valuable information and networking for anyone — from engineers to CEOs — looking for the latest industry insights.

EXECUTIVE SEMINAR
Imaging and Sensing Marketplace Forum
Monday 30 March 2020 • 11:00 - 18:00
Location: Cassin, Niveau/Level 0
Separate registration required. Registration fee €500

Join this new industry event for senior level executives, investors, and other industry stakeholders seeking an in-depth understanding of the global marketplace for imaging and sensing. This Executive Seminar delivers a review of current applications, markets, and emerging opportunities based on the unique combination of TEMATYS’ photonics markets expertise and the extensive industry connections of SPIE.

AGENDA
11:00 - 11:30 Registration, welcome, coffee, and networking
11:30 - 12:15 Overview and market trends in imaging and sensing, Dr. Thierry Robin, TEMATYS
12:15 - 12:45 SPIE Presentation
12:45 - 14:00 Networking Lunch
14:00 - 14:30 Beyond the LiDAR hype: evolving from Perception to Situation Awareness, Raul Bravo, Founder and CEO, OUTSIGHT
15:00 - 15:30 The depth of 3D sensing: From consumer to automotive, Dr. Julien Boucart, Senior Product Manager II-VI
15:30 - 16:00 Watch for updates
16:00 - 16:30 Coffee break and networking
16:30 - 17:00 Event-Based Vision: enabling a new paradigm giving machines human like eyes, Dr. Simone Lavizzari, Director of Product Marketing, PROPHESY
17:00 - 17:30 Watch for updates
17:30 - 18:00 Watch for updates
18:00 - 18:30 Closing, coffee, and networking

EU Funding Opportunities
Tuesday 31 March 2020 • 10:30 - 14:30
Location: Hall Rhin, Demo Area

The funding landscape in Europe is complex and potentially overwhelming with a multitude of pan-European and national funding mechanisms available. This session explores some of the options available by the European Union and Research Council as well as presenting more detail on Research Funding in the UK around BREXIT.

SPEAKERS:

10:30 - 11:00
SPIE GLOBAL INDUSTRY UPDATE
Stephen G. Anderson
Director, Industry Development, SPIE (United States)

11:00 - 11:30
HORIZON 2020 AND HORIZON EUROPE FUNDING ACTIVITIES FOR PHOTONICS
Anna Pelagotti
European Commission (Belgium)

11:30 - 12:00
MARIE SKŁODOWSKA-CURIE ACTIONS: FUNDING OPPORTUNITIES
Renat Bilyalov
European Research Council Executive Agency (Belgium)

12:00 to 13:00 LUNCH BREAK

13:00 - 13:30
THE FUNDING OPPORTUNITIES OF THE EUROPEAN RESEARCH COUNCIL
Anna G. Mignani
European Research Council Executive Agency, Belgium and Istituto di Fisica Applicata “Nello Carrara” (Italy)

13:30 - 14:00
ACTPHAST 4R + 4.0 INNOVATION SUPPORT HUBS FOR RESEARCHERS AND COMPANIES I
Hugo Thienpont
Vrije Univ. Brussel (Belgium)

14:00 - 14:30
ACTPHAST 4R + 4.0 INNOVATION SUPPORT HUBS FOR RESEARCHERS AND COMPANIES II
Nathalie Debaes
Vrije Univ. Brussel (Belgium)
Biophotonics and Quantum Technologies

Wednesday 1 April 2020 • 10:30 - 14:30
Location: Hall Rhin, Demo Area
Join us for these two sessions:

**BIOPHOTONICS • 10:30 - 12:00**

10:30 - 11:00

**ADAPTIVE OPTICS IN BIOIMAGING**

Samuel Bucorut
President, Imagine Optics (France)

Information to come

11:00 - 11:30

**OPTICAL COHERENCE TOMOGRAPHY FOR SKIN IMAGING**

Arnaud Dubois
Co-founder of DAMAE Medical, (France)

Optical coherence tomography (OCT) is a non-invasive imaging technique that provides high-resolution images of biological tissues in real time. OCT has revolutionized the clinical practice of ophthalmology. This presentation will focus on the use of OCT for human skin imaging. The interest and challenges of OCT in dermatology and cosmetology will be discussed. A specific OCT technique, called line-field confocal OCT (LC-OCT) will be presented. LC-OCT has been developed by the startup company DAMAE Medical. LC-OCT produces three-dimensional images of the superficial layers of skin in vivo with an isotropic resolution of 1 micrometer.

11:30 - 12:00

**TISSUE MIMICKING ANTHROPOMORPHIC PHANTOMS TO MITIGATE PRE/CLINICAL RISKS AND ACCELERATE BIOPHOTONICS TRANSLATION: DRIVING A NEW ERA OF BIOPHOTONICS STANDARDS**

Sanathana Konugolu Venkata Sekar
CEO BioPixs (Ireland)

BioPixs mission is to create Standards in the field of Biophotonics through innovative phantoms that mimic tissue optical properties. Such phantoms are in growing demand across the Biophotonics value chain and BioPixs aims to target the pressing need for validation of clinical methodologies, characterization, and calibration of instrumentation, as well as standardization of clinical protocols and instrumentation. We present here the wide range of phantom solutions to address the various bottlenecks faced by the biophotonics community. In particular, a matrix phantom to aid characterization and calibration of instruments, anthropomorphic phantoms to mitigate preclinical and clinical risks will be presented.

**QUANTUM TECHNOLOGIES • 13:00 - 14:30 pm**

Innovation Village Awards Ceremony

Wednesday 1 April 2020 • 15:00 - 16:00
Location: Hall Rhin, Demo Area

CET The Innovation Village competition aims to find the best innovation by an individual researcher and the best innovation by a multilateral project, organization, or company. Join us to celebrate the 2020 winners!

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Harassment consists of unwanted, unwelcomed, and uninvited behavior that demeans, threatens, or offends another.

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BIOPHOTONICS

Towards In-Vivo Label Free Optical Spectroscopy: Basics to Applications

SC1304 • Course Level: Intermediate • CEU: 0.4
€380.00 Members • €435.00 Non-members
$405.00 Members • $465.00 Non-members
Wednesday 13:30 - 17:30
Instructor: Jürgen Popp, Leibniz-Institut für Photonische Technologien e.V. (Germany)

Quantitative Phase Imaging (QPI): Principles and Applications

SC1300 • Course Level: Introductory • CEU: 0.4
€380.00 Members • €435.00 Non-members
$405.00 Members • $465.00 Non-members
Sunday 13:30 - 17:30
Instructor: Gabriel Popescu, Univ. of Illinois (United States)

OPTICAL IMAGING AND SENSING

Design, Modeling and Fabrication Techniques for Micro-Optics: Applications to Display, Imaging, Sensing and Metrology

SC1217 • Course Level: Intermediate • CEU: 0.4
€380.00 Members • €435.00 Non-members
$405.00 Members • $465.00 Non-members
Sunday 8:30 - 12:30
Instructor: Bernard Kress, Microsoft Corp. (United States)

Optical Technologies and Architectures for Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR) Head-Mounted Displays (HMDs)

SC1218 • Course Level: Intermediate • CEU: 0.4
€380.00 Members • €435.00 Non-members
$405.00 Members • $465.00 Non-members
Sunday 13:30 - 17:30 pm
Instructor: Bernard Kress, Microsoft Corp. (United States)
PRODUCT DEMONSTRATIONS

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<th>Time</th>
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| 14:30 - 15:00 | Laser Damage for Optical Coaters  
Belford Research  
Presenter: Kieran Ross, (United Kingdom)  
Kieran will give a talk on Laser Damage, aimed at optical coating companies. He will have some sample to show what happens under different conditions. |
| 15:30 - 16:00 | New Black Absorbing Material to Minimize Size of Baffles-HexaBlack  
Acktar  
Presenter: Tova Factor, (Israel)  
Stray light is a significant issue, especially in optical design with baffles. Our HB is high absorption at grazing angles allows not only to improve the SNR ratio, but also to dramatically reduce the dimensions and weight of the baffle as well to ease the design and manufacturing. |
| 16:30 - 17:00 | FYLA SCH - Overcoming the Microscopy-Diagnostics imaging barriers in Multiphoton Microscopy. FYLA Laser S.L.  
Presenter: Ismael Almazán Fernández (Spain)  
An innovative solution is presented to overcome the Microscopy-Diagnostics imaging barriers so that Multiphoton Microscopy (MPM) technology can be massively deployed. In this presentation we introduce the first cost-effective market-ready product that integrates a coherent Supercontinuum laser (SCH) with a Programmable Ultrashort Pulse Management system for microscopy and imaging purposes. The results are a non-existing integrated solution for MPM users that improves its usability and robustness, increases 5 times its life-time, reduces costs in 66% and provides better photonic parameter specifications to boost the full-scale use of MPM technology, specially for In-Vivo where photo damage control is crucial as we as reduced phototoxicity, increased tissue |

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<td>Make a bright future</td>
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Meet Us At Booth 521

small components
MASSIVE IMPACT

Discover Our Product Portfolio

- Photodiodes
- IR Components
- Photon Counters
- Pulsed Laser Diodes
- Laser Modules
- Measurement Devices
- Fiber Optics
- Laser Optics
- Laser Safety
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philippe.raison@8photonics.com; www.8photonics.com

Featured Product: Fiberspider: A modular optics prototyping platform

Our goal is to change the way laser systems are designed and assembled. Instead of messy laser setups based on breadboards, we offer a set of building blocks that allow you to build your setups faster - from building laboratory prototypes to assembling laser systems ready to be shipped to your customers. 8photonics is a startup from the University of Bern, Switzerland. Contact: Philippe Raisin, Head of Sales, philippe.raisin@8photonics.com; Manuel Ryser, Product manager, manuel.ryser@8photonics.com

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Featured Product: APL Photonics

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- Light conversion – Lasers fs, OPA

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- MPO / Lambda Research / Opto4u – Optiques laser, Miroirs Ultrafast
- Kugler – Optiques métalliques
- Optotune – Lentilles variables, réducteurs de speckle
- Novanta – Scanners, Déflection laser
- Aerotech – Platines motorisées de précision
- Holoeye – Modulateurs spatiaux de lumière SLM
- Semrock – Filtres de fluorescence

**SPECTROSCOPIE**
- Avantes – Spectromètres à fibre optique
- Instrument Systems – Spectroradiomètres
- HySpex – Caméras hyperspectrales
- Craic Tech. – Microspectrophotomètres

**INSTRUMENTATION**
- APE – Autocorrélateurs, Spider, FROG
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- Bristol Inst. – Lambdamètres et Analyseurs de spectre
- Bossanova – Vibromètres HF, caméras polarimétriques
- Ophir – Mesureurs de puissance et énergie laser
- Cinogy – Analyseurs de faisceau laser
- Möller Wedel – Lunettes autocollimatrices, Interféromètres, Goniomètres

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EXHIBITION DIRECTORY

**Sponsor**

**Amplitude Laser** #218

Cité de la Photonique, 11 av de Canteranne, Pessac, 33600 France +33 5 5646 4060 info@amplitude-laser.com; www.amplitude-laser.com

**Featured Product:** Wearable blood flow sensor

The most versatile, fastest and powerful ultrafast laser

Created in 2001, Amplitude Laser Group manufactures and commercializes ultrafast lasers for scientific, medical and industrial applications. Leading the international market since its beginning, Amplitude offers a large range of products: diode-pumped ultrafast solid-state lasers, ultra-high energy Ti:Sapphire ultrafast lasers and a full line of high energy solid state laser products. Contact: Vincent Rouflange, Global Sales & Marketing Director, vincent.rouflange@amplitude-laser.com; Guillaume Szymczak, Global Sales Manager Europe, guillaume.szymczak@amplitude-laser.com

**TANGOR 300:** > 300 W, > 1mJ, M² < 1.5 The most versatile, fastest and powerful ultrafast laser.

**attocube systems AG** #317

Eglfinger Weg 2, Haar, 85540 Germany +49 89 420 797 0; fax +49 89 420 797 201 90 info@attocube.com; www.attocube.com

**Featured Product:** New ECSxXL positioners: long travel range with nanometer accuracy

attocube is the technology leader for ultra-precise motion and sensing solutions compatible with extreme environmental conditions such as UHV, magnetic field, radiation exposure, as well as cryogenic to elevated operating temperatures. The portfolio also includes integrated measurement systems, such as the attoDRY800 cryo-optical table and a Photonic Probe Station, an ultra-stable, extremely compact and easy-to-use tabletop setup for nanophotonic device characterization. Contact: Peter Lehner, Business Development Manager, info@attocube.com; Beatriz Vega Gomez, Technical Inside Sales Coordinator, Beatriz.Vega@attocube.com

**Avantes** #232

Oude Apeldoornseweg 28, Apeldoorn, 7333 NS Netherlands +31316707107; fax +31316707179 info@avantes.com; www.avantes.com

**Featured Product:** AvaSpec-Mini-NIR, a compact, versatile NIR spectrometer, suited for various applications!

Avantes is the leading innovator in the development of fiber-optic spectroscopy instruments and systems with over 25 years of experience in developing customer-defined spectrometer configurations. We work with clients and researchers in various industries to find a solution tailored to their application and research needs. Contact: Willem Jan Mulder, Sales Manager, w.mulder@avantes.com; Klaas Otten, OEM Manager, k.otten@avantes.com

**Belford Research Ltd.** #325

32/15 Hardengreen Business Park, Eskbank, Dalkeith, EH22 3NX United Kingdom +44 131 660 1050 info@laserdamage.co.uk; www.laserdamage.co.uk

**Featured Product:** CW Laser Damage Threshold Determination extended Linear Power Density range up to 500kW/cm

BRL is the only UK-based commercial LIDT facility. We have a reputation for accuracy, performance, consistency and research. Our business is to test component optics for laser manufacturing. We have zero failures in the field. Our customer base is increasing as coaters become dissatisfied with inconsistencies from our competitors. Our in-house Scientific & Engineering assets enable quality research. We have a solid history of successful research projects, please see www.laserdamage.co.uk/randd Contact: Dr Rona Belford, CEO, info@laserdamage.co.uk; Kieran Ross, Lead Physicist, BRL@btconnect.com

**Bktel Photonics** #429

5, rue Louis de Broglie, Lannion 22300, France photonics@bktel.com; www.bktel-photonics.com

Bktel Photonics SAS is a SME created in Lannion in 2014 and its majority shareholder is Bktel Communications in Hueckelhoven-Baal, Germany. Bktel photonics is a leading manufacturer of fiber optic amplifiers and lasers for telecommunications, cable television, defense, medical, aerospace and instrumentation. The products of the company are divided into three families: fiber amplifiers, fiber lasers and chassis-racks that integrate lasers or amplifiers.
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www.photonics-france.org
+33 1 53 46 27 09
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BioPixS
Irish Photonic Integration Centre (IPIC), Lee Maltings Complex
Dyke, Cork, T12 RSCP Ireland
+353 894440259
info@biopixstandards.com; www.biopixstandards.com/

Featured Product: BioPixS Matrix, BioPixS Anthropix, custom products in Diffuse optics, Photoacoustics, Raman, OCT etc

BioPixS mission is to create Standards in the field of Biophotonics through innovative phantoms that mimic tissue optical properties. Contact: Sanathana Konugolu Venkata Sekar, CEO, sana@biopixstandards.com; Sales Marketing, Sales Manager, sales@biopixstandards.com

Chroma Technology GmbH
Maximilianstr 33, Olching, 82140 Germany
+49 8142 2845725; fax +49 8142 2845349
Europe@chroma.com; www.chroma.com

Featured Product: Optical filters

Chroma is an employee-owned company that designs and manufactures precision optical filters and coatings from 220-2600nm for myriad applications. We provide application engineering support and short cycle times and are as comfortable designing and manufacturing custom filters as we are our catalog items; regularly offering custom filters at catalog prices. Contact: Almut Bailly, Account Manager, abailly@chroma.com

CI Systems France
44 rue Maurice de Broglie, Alnay Sous Bois, 93600 France
+33 1 4819 9797 ; fax +33 1 4819 9799
info@ci-systems.fr; www.ci-systems.com

CI is known as the most trusted name in the field of IR & optical test equipment in the world. Our mission is to be the most cost effective & reliable supplier of test equipment. CI Systems became the leader in spectroradiometry for remote sensing and analysis. The Electro-Optics division develops and commercializes MIL-Standard E-O precision test equipment for all stages in the product life cycle. Our products range from standard off-the-shelf instruments to customized test systems.

Coherent
14-16 Allée du Cantal, CE 1831, Lisses, 91090 France
+33 1 69 11 94 00
coherent.france@coherent.com; www.coherent.com

Founded in 1966, Coherent, Inc. is one of the world’s leading providers of lasers and laser-based technology for scientific, commercial and industrial customers. With headquarters in the heart of Silicon Valley, California, and offices spanning the globe, Coherent offers a unique and distinct product portfolio and services for scientific research, life sciences, microelectronics, and materials processing.

Cybel-MorePhotonics
1195 Pennsylvania Ave, Bethlehem, PA, 18018-2026 United States
+1 610 691 7012; fax +1 610 691 7012
contact@cybel-llc.com; www.cybel-llc.com

Cybel-MorePhotonics designs and manufactures fiber lasers & amplifiers in the 1µm, 1.5µm and 2µm bands. Cybel offers turn-key Benchtop units and compact OEM modules. Our flagship OEMs SKYLINE and MAKO have many advantages such as compact size, robustness, and integration in optical systems. The MAKO supplies multi Watt output in a small footprint (91mm x 59mm x 15mm) ready for integration in Lidar or sensing sources. The SKYLINE delivers higher energy and tens of kW output for ns applications.

Diffratec Optics OG
Sonnenstraße 14, Innsbruck, Tirol, 6020 Austria
+43 664 535 1801
info@diffratec.at; www.diffratec.com

Diffratec produces lenses with tunable focal length for all applications like smartphones, laser industry, medical & biological industry, communication and defense industry. Our technology is worldwide patented. We have onsite R&D departments and we are a Innsbruck Medical University Spin-off.
EKSMA Optics #323
Mokslininku st. 11, Vilnius, Lithuania
+370 5 272 99 00; fax +370 5 272 92 99
info@eksmaoptics.com; www.eksmaoptics.com
Featured Product: Precision grade spherical, aspherical and conical lenses with IBS coatings for laser applications.
EKSMA Optics is a manufacturer of laser components used in lasers or other optical instruments. Product range includes laser optics, nonlinear and laser crystals, opto-mechanics, Pockels cells and drivers, HV power supplies, pulse picking systems, laser diode drivers and laser sync modules. We own flat conical lenses production facility, coatings facility using advanced Ion Beam Sputtering technology and clean rooms. Contact: Romas Remeika, Program manager/optics, r.remeika@eksmaoptics.com; Darius Bajarunas, Program manager/nonlinear and laser crystals, d.bajarunas@eksmaoptics.com

ElFys, Inc #229
Tekniikanl 12, Espoo, 02150 Finland
+358 40 557 7716
info@elfys.fi; www.elfys.fi
Featured Product: High performance photodetectors including photodiode and photodiode arrays for UV Vis and NIR apps
We are specialized in developing and manufacturing high performance, high quality photodetectors for various applications. We have patented black silicon induced junction technology to achieve photosensitivity / External Quantum Efficiency better than anything seen so far. We provide the technology and products to applications having the most impact to benefit our customers and community. Our mission is to build a safer and healthier place with our innovative photodetector technology. Contact: Fan Ji, Account Manager, j.j.telfield@elfys.com; Mikko Juntunen, CEO, mikko.juntunen@elfys.fi

Fiberguide Industries, Inc. #428
3409 E Linden St, Caldwell, ID, 83605-6077 United States
+1 208 454 1988; fax +1 208 454 0563
info@fiberguide.com; www.fiberguide.com
Featured Product: Femtosecond, picosecond and nanosecond lasers, tunable wavelength systems, high intensity laser systems, industrial lasers, ultrafast measurement, and their design avoid measurement errors. They are extremely easy to use, for example you can get a pulse duration measurement in less than 2 minutes!

Femto Easy #431
Bât Gienah, Cité de la Photonique, 11 avenue de Canteranne, Pessac, 33600 France
+33 9 72 60 37 92
info@femtoeasy.eu; www.femtoeasy.eu
Femto Easy is a french company founded in 2016 near Bordeaux. Its goal is to provide ultrafast instrumentation that allows you to get a quick and reliable measurement of your ultrafast laser. Our products make single shot measurement, and their design avoid measurement errors. They are extremely easy to use, for example you can get a pulse duration measurement in less than 2 minutes!

Elsevier #124
Radarweg 29, Amsterdam, 1043 NX Netherlands
+31 2 3079 4600
contact@evosens.fr; www.evosens.fr
EVOSENS is a leading company in integration for customized photonics systems. An engineering department mainly focused in designing, optimizing photonics systems based on customers’ specifications and a contract manufacturing department dedicating in prototyping and production are our activity. We have skills in optics, electronics, mechanics and IT.

EVOSENS #534
Technopôle Brest Iroise, 185 rue René Descartes, Plouzané, 29280 France
+33 2 3079 4600
contact@evosens.fr; www.evosens.fr
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Electro Optics #1LIT
4 Signet Ct, Swann Road, Cambridge, CBS 8LA United Kingdom
+44 1223 221030; fax +44 1223 213 385
sales@europascience.com; www.electrooptics.com
Featured Product: Electro Optics Magazine
Electro Optics is the premier European Optics and Photonics magazine. Published by Europa Science, we offer up to date and in-depth news, features and information about the European photonics industry. Contact: Jon Hunt, Head of Business Development, jon.hunt@europascience.com; Charlie Mitchell, Partnership and Events Executive, charlie.mitchell@europascience.com

EKSPLA #319
Savanoriu av. 237, Vilnius, 02300 Lithuania
+370 5 264 9629; fax +370 5 264 1809
sales@ekspola.com; www.ekspola.com
Featured Product: Tunable wavelength lasers: from 192 to 18000 nm; Hz-kHz repetition rate; narrow linewidth
Innovative manufacturer of solid state and fiber lasers, systems and components from unique custom system for basic research to small OEM series. In-house R&D team and more than 27 years’ experience enable to tailor products for specific applications and/or according to specific requirements. Main products are: femtosecond, picosecond and nanosecond lasers, tunable wavelength systems, high intensity laser systems, industrial lasers, ultrafast fiber lasers and spectroscopy systems Contact: Lukas Rimgalis, area sales manager, sales@ekspola.com

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EDMUND OPTICS #208
Isaac-Fulda-Allee 5, Mainz, 55124 Germany
+49 (0)1904 788600; fax +49 6131 2172 306
sales@edmundoptics.eu; www.edmundoptics.eu
Featured Product: See our new products, e.g. Beam Expanders, Ultrafast Laser Mirrors or Fixed Focal Length Lenses
Edmund Optics® (EO) is a leading global supplier of optics, imaging, and photonics technology that has served a variety of markets including Life Sciences, Biomedical, Industrial Inspection, Semiconductor or R&D since 1942. EO designs and manufactures a wide array of optical components, multi-element lenses, imaging systems, and optomechanical equipment, while supporting OEM applications with volume production of stock and custom products. Contact: Coralie Bailly, Technical Sales Manager, sales@edmundoptics.fr; Thomas Armispach-Young, Sales & Applications Engineer, sales@edmundoptics.eu

ElFys, Inc #229
Tekniikanl 12, Espoo, 02150 Finland
+358 40 557 7716
info@elfys.fi; www.elfys.fi
Featured Product: High performance photodetectors including photodiode and photodiode arrays for UV Vis and NIR apps
We are specialized in developing and manufacturing high performance, high quality photodetectors for various applications. We have patented black silicon induced junction technology to achieve photosensitivity / External Quantum Efficiency better than anything seen so far. We provide the technology and products to applications having the most impact to benefit our customers and community. Our mission is to build a safer and healthier place with our innovative photodetector technology. Contact: Fan Ji, Account Manager, j.j.telfield@elfys.com; Mikko Juntunen, CEO, mikko.juntunen@elfys.fi

Fiberguide Industries, Inc. #428
3409 E Linden St, Caldwell, ID, 83605-6077 United States
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info@fiberguide.com; www.fiberguide.com
Featured Product: Femtosecond, picosecond and nanosecond lasers, tunable wavelength systems, high intensity laser systems, industrial lasers, ultrafast measurement, and their design avoid measurement errors. They are extremely easy to use, for example you can get a pulse duration measurement in less than 2 minutes!

Femto Easy #431
Bât Gienah, Cité de la Photonique, 11 avenue de Canteranne, Pessac, 33600 France
+33 9 72 60 37 92
info@femtoeasy.eu; www.femtoeasy.eu
Femto Easy is a french company founded in 2016 near Bordeaux. Its goal is to provide ultrafast instrumentation that allows you to get a quick and reliable measurement of your ultrafast laser. Our products make single shot measurement, and their design avoid measurement errors. They are extremely easy to use, for example you can get a pulse duration measurement in less than 2 minutes!

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Ronda Guglielmo Marconi 12 Parque Tecnológico, Paterna -Valencia, 46980 Spain
+34 6079 71021
fyla@fyla.com; www.fyla.com

Featured Product: FYLA SCH - 15 fs, 75 MHz, 150 kW peak power fiber laser with dynamic dispersion compensation

At FYLA We create and commercialize laser technology by joining Singularity, Quality and Profitability for our Clients and Stakeholders. From Science to Industry, in few years, FYLA has become a trusted partner for our clients, using our lasers for a wide range of applications, from Diagnostics and Imaging technology to Semicon and Optical Comms devices. We pursue to lead the Industry transformation through photonics as a lever for the development of new sectors and new applications. Contact: Gaia Sardiello, Sales Engineer, gsardiello@fyla.com; Ismael Almazan, CEO, ialmazan@fyla.com

FYLA SCH - 15 fs, 75 MHz, 150 kW peak power fiber laser with dynamic dispersion compensation.

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contact@glophotonics.fr; www.glophotonics.fr

GLOphotonics is a spin-off of a research group, led by Professor Fetah BENABID, which develops, manufactures and markets gas phased photonic components using Hollow Core Photonic Crystal Fibers (HC-PCF). The unique features of this innovative fiber technology provide a flexible and cost effective way to shape and transport Ultra Short laser Pulses (USP) with extremely low attenuation and nearly-free temporal and spectral distortion. Contact: jean Sauvage-Vincent, Business Developer EMEA, jeansauvagevincent@glophotonics.fr; Jérôme Alibert, President and CEO, jeromealibert@glophotonics.fr

SPONSOR
HOLOEYE Photonics AG #219
SPIE Corporate Member
Volmerstr. 1, Berlin, Berlin, 12489 Germany
+49 30 4036 9380; fax +49 30 4036 9389
contact@holoeye.com; www.holoeye.com

HOLOEYE is providing products and services in the fields of Spatial Light Modulators (SLM) for phase and amplitude modulation, customized design, fabrication and replication services for Diffractive Optical Elements (DOE) and LCOS microdisplay components for monochrome and color projection applications.

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OPTICS SECTION, Krefelder Str 350, Moenchengladbach, 41066 Germany
+49 2161 698 3692; fax +49 2161 698 3684
info@hoyacandeo.de; www.hoyacandeo.de

Featured Product: Colored glass filters and various (IR/AR/Band Pass/Notch) coating glass for wide range of industries

As a member of the HOYA Group, HOYA CORPORATION OPTICS SECTION carries the group's excellence in optical glass-making technology in its DNA and has been a leading innovator in the growing fields of photonics and optics from the start. Regarding the development, creation and distribution of Electro-Optical (EO) glass equipment and UV-light source products, HOYA products and services throughout the world are incomparable in its speed, efficiency and effectiveness. Contact: Seiya Matsumoto, Sales Manager, seiya.matsumoto@hoya.com; Laura Graewart, Sales, laura.graewart@hoya.com

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HTDS #624
BP 246, 3 rue du Saule Trapu, Massy CEDEX, +31 6 1486 2828 ; fax +31 31 6907 6954
info@htds.fr; www.htds.fr/en/

Featured Product: Pyrodetector SMD

HTDS is specialized in the high-technology optoelectronics: emitters (LED, IR sources, laser diodes, flash tubes) and sensors (photot counter, photodiodes, pyrodetector). The company markets a full range of optoelectronic components and OEM used in all the application fields: Lighting, Industry, Military and aerospace, Scientific and Biomedical.

HÜBNER Photonics - Cobolt #326
Vretenvaegen 13, Solna, 171 54 Sweden
+46 8 5459 1230 ; fax +46 8 5459 1231
marketing@coboltlasers.com; www.hubner-photonics.com

Featured Product: High performance lasers

HÜBNER Photonics offer the full range of high performance Cobolt lasers, the CW tunable laser C-wave along, a full selection of C-FLEX laser combiners as well as single frequency fiber lasers. HÜBNER Photonics supply lasers to major instrument manufacturers and leading research labs for cutting-edge applications in the areas of fluorescence microscopy, flow cytometry, Raman spectroscopy, metrology, holography, nanophotonics and quantum research Cobolt AB is a part of HÜBNER Photonics. Contact: Lova Bannister, Marketing coordinator, marketing@coboltlasers.com

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IDEA Machine Development, Design & Production, Ltd. #206
Rabin Science Park, 2 Bergman St, Rehovot, 76705 Israel
+972 732732442; fax +
info@idea-development.com; www.idea-development.com

IDEA Machine Development, Design & Production LTD is an Original Design Manufacturer (ODM) private company founded in 1995, with unique expertise in microscopy and light engines. IDEA provides R&D and Production services to a variety of world leading customers from diverse markets including the Semiconductor, Life science, Biomedical, Digital printing and other markets. Contact: Alon Tavori, Business Development Manager, alon-t@idea-development.com

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4 rue Louis de Broglie, Lannion, 22300 France
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IDIL Fibres Optiques is an opto-electronics engineering company specialized in fiber optics components, lasers and ultra-fast phenomena. IDIL develops complex systems for science, industry and defence applications. The company's various activities make it possible to offer a multi-skil engineering & manufacturing service: components engineering, front-end sources, lasers, fiber sensors, electronics and software.

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SPIE Corporate Member
18 rue Charles de Gaulle, Orsay, 91400 France
+33 1 6486 1560 ; fax +33 1 6486 1561
contact@imagine-optic.com; www.imagine-optic.com

Imagine Optic is the pioneer and one of the world's leading providers of Shack-Hartmann wavefront sensing hardware and software, adaptive optics technologies and professional services in applied optics. We are serving 4 main applications: optical metrology, founded optics for ultra intense laser, adaptive optics for microscopy (peculiarly super resolution technics) and adaptive optics for ophthalmology (retinal microscopy at Imagine Eyes).
ÉMETTEURS UV-VIS-IR

DÉTECTEURS UV-VIS-IR

Applications : industrielle, grand public, aéronautique, médicale, biomédicale, scientifique, défense, automobile

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Innovations Foresight #331
24 Ramblewood Dr, Glenmore, PA, 19343 United States
+1 215 884 1101
customerservice@innovationsforesight.com; www.innovationsforesight.com

Featured Product: Image based low cost wavefront sensing using artificial intelligence for full field live analysis

Innovations Foresight (IF) develops, designs and sells advanced innovative technologies and products for optical applications. We offer hardware and software auto-guiding live focusing solutions for telescopes used for deep space and orbital imaging or for exo-planet transits. Our patented pending image based wavefront analysis using artificial intelligence (AI) provides a flexible, low cost technology that requires no special hardware or moving parts for full field analysis in real time. Contact: Gaston Baudat, President, gaston@innovationsforesight.com; Fatnha Anouar, CBO, fatnha@innovationsforesight.com

Instructor and Bright Photomedicine #61IV
Rua Quatã 300 Vila Olímpia, Sao Paulo, SP, 04546-042 Brazil
+55 11 999 477 6920
anacm6@insper.edu.br; www.insper.edu.br

Featured Product: Emitter for photobiomodulation therapy in superficial and extensive wounds, with anatomic adaptation

This project is result of a university-company partnership between Insper and Bright Photomedicine. Insper is a superior educational institution that has an undergraduate Engineering course. The courses have a large historic of partnerships with companies and a hands-on approach. Bright Photomedicine is a startup that develops photobiomodulation based treatments. The equipment is just the way the therapy is delivered to patient, not a commodity. The real product is the light dose applied. Contact: Ana Carolina de Magalhães, anacm6@insper.edu.br

International OptoIndex #110
Alte Koelner Str 33, Ratingen, North Rhine-Westphalia, 40885 Germany
+49 2102 1678 0; fax +49 2102 1678 28
info@opto-index.de; www.opto-index.de/ot

Invisible-Light Labs #11V
Floragasse 7, Vienna, 1040 Austria
+43 664 182 9140
info@invisible-light-labs.com; www.invisible-light-labs.com

Featured Product: Nanomechanical Infrared Detectors

At Invisible-Light Labs, we strive to make a positive impact on the world we live in by enabling groundbreaking scientific discoveries with our highly sensitive IR sensors. We used the synergy of our multidisciplinary team and applied the mechanics point of view to the optics world to create radically new room temperature IR sensors based on innovative NEMS technology. Contact: Josiane P. Lafleur, Founder and Managing Director, josiane.lafleur@invisible-light-labs.com; Silvan Schmid, Founder, silvan.schmid@invisible-light-labs.com

IOP Publishing #328
Temple Circus, Temple Way, Bristol, BS1 6HG United Kingdom
+44 117 929 7481; fax +44 117 929 4318
custserv@iop.org; www.ioppublishing.org

Featured Product: JPhys Photonics

IOP Publishing’s portfolio includes journals, books, conference proceedings and science news resources. Our titles Journal of Optics, JPhys: Photonics, Laser Physics and Laser Physics Letters serve the whole of the optics community. Contact: Daniel Joplting, Senior Publisher, daniel.joplting@iop-publishing.org

JPhys Photonics

An exciting new open access journal showcasing the most significant research in photonics.

ISP System #630
Zone Industrielle de la Herray - BP 10047, Vic en Bigorre Cedex, 65501 France
+33 5 62 33 44 44; fax +33 5 62 33 44 45
contact@isp-system.fr; www.isp-system.fr

Featured Product: Deformable mirror, µ- and nanopositioning systems, beam transport, micro-assembly machines

ISP SYSTEM is specialised in design and manufacturing of High Precision mechatronics. We design and manufacture products for high power lasers such as:- Electro-mechanical deformable mirrors for intense lasers- motorised mounts (large aperture or ØEM products for industrial lasers, high stiffness, Gimbal, multi-axes)- Micro- and nano-positioning systems- Special machines such as micro-assembly machines, Optics quality control machine, Fiber optics winding machine.

iXblue Photonics #421
3 rue Sophie Germain, Besançon, 25000 France
+33 3 81 85 31 80
https://photonics.ixblue.com

Featured Product: Optical modulators covering infrared from 780nm to 2500nm, drivers, bias controllers and Modbox

iXblue Photonics helps photonics engineers all around the world get the most out of light by providing high-performance, innovative and reliable photonic solutions. The company offers specialty fibers, Bragg gratings and optical modulation solutions based on its integrated modulators for a variety of applications: optical communications, fiber lasers and amplifiers, fiber optics sensors, space and sciences. Contact: Hervé Gouraud, Sales Manager - Fibers, contact.photonics@ixblue.com; Nicophore Nicolas, Sales Manager - Modulation solutions, contact.photonics@ixblue.com

KETEK GmbH #531
5 rue Louis de Broglie, Lannion, 22330 France
+33 2 96 488 477; fax +33 2 96 488 478
contact@keter.com; www.keter.com

KERDRY specialized in coating of thin films; Substrates up to 1.4 m in diameter; Metal treatments: brazing, electrical contacts, mirrors; Optical treatments: anti-reflections, mirrors, filters; Black Coating from 0.35 to 15 µm; Photolithography up to 8"; Optical fiber optic processing; Combination of optical and metal layers.

ISP System #630
Zone Industrielle de la Herray - BP 10047, Vic en Bigorre Cedex, 65501 France
+33 5 62 33 44 44; fax +33 5 62 33 44 45
contact@isp-system.fr; www.isp-system.fr

Featured Product: Deformable mirror, µ- and nanopositioning systems, beam transport, micro-assembly machines

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+33 3 81 85 31 80
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joanasmelo@nu-rise.pt; www.nu-rise.com

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Laser Components
OHARA GmbH
Photonics Scientific, Inc.

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**THIS PROGRAM IS CURRENT AS OF 1 MARCH 2020. FIND THE LATEST ON THE SPIE CONFERENCE APP.**
The International Day of Light is a global initiative highlighting to the citizens of the world the importance of light and light-based technologies in their lives, for their futures, and for the development of Society.

**SPIE supports the International Day of Light and its annual celebration on 16 May.**

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**SPIE IDL GRANTS**

SPIE will provide seed funding up to US$3,000 to organizations creating Day of Light activities.

**IDL RESOURCES**

SPIE encourages communities to plan their own annual celebration on 16 May and provides various resources to help create an event.

**SPIE PHOTO CONTEST**

Amateur and professional photographers alike should submit photos demonstrating the vital role that light plays in our lives for a chance to win US$2,500.

Learn more: spie.org/idl
GENERAL INFORMATION

Registration

ONSITE REGISTRATION AND BADGE PICKUP HOURS
Location: Schweitzer Accueil
Sunday 29 March .......................... 12:00 - 18:00
Monday 30 March .......................... 7:30 - 17:00
Tuesday 31 March .......................... 8:00 - 17:00
Wednesday 1 April .......................... 8:00 - 17:00
Thursday 2 April .......................... 8:00 - 16:00

CONFERENCE REGISTRATION
Includes admission to all conference sessions, plenaries, panels, and poster sessions, admission to the Exhibition, Welcome Reception, coffee breaks, and a choice of online proceedings.

EXHIBITION REGISTRATION
Exhibition-Only visitor registration is complimentary.

PRESS REGISTRATION
For credentialed press and media representatives only. Please email contact information, title, and organization to media@spie.org

SPIE CASHIER
Registration Area. Open during registration hours

BADGE CORRECTIONS
Badge corrections can be made at the Cashier station. Please have your badge removed from the badge holder and marked with your changes before approaching the counter.

Onsite Services

INTERNET ACCESS
Complimentary Internet will be available. Connection speeds will depend on the number of users.

SPIE CONFERENCE AND EXHIBITION APP
Download the free SPIE Conference App, available for iPhone and Android phones. Search and browse the programme, special events, participants, exhibitors, and more.

URGENT MESSAGE LINE
An urgent message line is available during registration hours: +33 88 37 67 38. Attendees should check the message board in the registration area for any messages.

SPIE MARKETPLACE
Browse the latest SPIE Press Books and proceedings.

SPIE LUGGAGE & COAT CHECK
Location: Vestiaire Schweitzer
Open Daily
Luggage, package, and coat storage are available free of charge. Please note opening hours.

QUIET ROOM
Open during registration hours. Please see registration desk for key. The room is intended for silent meditation, reflection or prayer, and privacy for nursing mothers. No mobile device or computer use, and no food or beverages allowed. Please note that there is no running water or refrigeration in this space.

Food and Beverage

COMPLIMENTARY COFFEE
Tuesday - Thursday
7:30 - 9:30 .......................... Galerie Schweitzer
10:00 - 16:00 ............ Exhibition Hall (Exhibition Rhin)

FOOD AND REFRESHMENTS FOR PURCHASE
There are a variety of food and drink options, including hot and cold snacks, espresso, beverages, hot entrees, deli sandwiches, salads, and pastries available for purchase. Cash and credit cards accepted.

Tuesday - Wednesday .......................... 11:30 - 13:00
Food stations in the Exhibition Hall.
SPIE EVENT POLICIES

Acceptance of Policies and Registration Conditions

The following Policies and Conditions apply to all SPIE Events. As a condition of registration, you will be required to acknowledge and accept the SPIE Policies and Conditions contained herein.

Agreement to Hold Harmless
Attendee agrees to release and hold harmless SPIE from any and all claims, demands, and causes of action arising out of or relating to your participation in the event you are registering to participate in and use of any associated facilities or hotels.

Anti-Harassment Policy
It is SPIE policy that all employees, volunteers, and participants are entitled to respectful treatment. Any form of bullying, discrimination, harassment, sexual or otherwise, is unacceptable and will not be tolerated. This policy applies to all locations and situations where SPIE business is conducted and to all SPIE-sponsored activities and events.
Read complete policy http://spie.org/harassment

Attendee Registration and Admission Policies
SPIE, or their officially designated event management, in their sole discretion, reserves the right to accept or decline an individual’s registration for an event. Further, SPIE, or event management, reserves the right to prohibit entry of or to remove any individual whether registered or not, be they attendees, exhibitors, representatives, or vendors, whose conduct is not in keeping with the character and purpose of the event. Without limiting the foregoing, SPIE and event management reserve the right to remove or refuse entry to anyone who has registered or gained access under false pretenses, provided false information, or for any other reason whatsoever that they deem is cause under the circumstances.

Capture and Use of a Person’s Image
By registering for an SPIE event, you grant full permission to SPIE to capture, store, use, and/or reproduce your image or likeness by any audio and/or visual recording technique and create derivative works of these images and recordings in any SPIE media now known or later developed, for any legitimate SPIE marketing or promotional purpose. By registering for an SPIE event, you waive any right to inspect or approve the use of the images or recordings or of any written copy. You also waive any right to royalties or other compensation arising from or related to the use of the images, recordings, or materials. By registering, you release, defend, indemnify and hold harmless SPIE from and against any claims, damages or liability arising from or related to the use of the images, recordings or materials. By registering, you release, defend, indemnify and hold harmless SPIE from and against any claims, damages or liability arising from or related to the use of the images, recordings or materials, including but not limited to claims of defamation, invasion of privacy, or rights of publicity or copyright infringement, or any misuse, distortion, blurring, alteration, optical illusion or use in composite form that may occur or be produced in taking, processing, reduction or production of the finished product, its publication or distribution.

Code of Conduct
SPIE is committed to providing a harassment- and discrimination-free experience for everyone at our events, an experience that embraces the richness of diversity where participants may exchange ideas, learn, network, and socialize in the company of colleagues in an environment of mutual respect.
Read complete Code: http://spie.org/conduct

Event Cancellation Policy
If for some unforeseen reason SPIE should have to cancel an event, processed registration fees will be refunded to registrants. Registrants will be responsible for cancellation of travel arrangements or housing reservations and the applicable fees.

Family-Friendly Policy
Conference Events: All conference technical and networking events require a badge for admission. Registered attendees may bring children with them if they have been issued a badge. Registration badges for children under 18 are free and available at the SPIE registration desk onsite. Children under 14 years of age must be accompanied by an adult at all times, and guardians are asked to help maintain a professional, disturbance-free conference environment.
Exhibition Hall: Everyone who attends the exhibition must be registered and have a badge. Badges for children are free and available onsite at the registration desk. Children under 14 years of age must be accompanied by an adult at all times. Guardians are asked to help maintain a professional, disturbance-free exhibition environment. Children under 18 are not allowed in the exhibition area during exhibition move-in and move-out.

Identification Requirement
To verify registered participants and provide a measure of security, SPIE will ask attendees to present a government-issued photo identification at registration to collect registration materials. Individuals are not allowed to pick up badges for other attendees. Further, attendees may not have some other person participate in their place at any conference-related activity. Such other individuals will be required to register on their own behalf to participate.

Laser Pointer Safety Policy
SPIE supplies tested and safety-approved laser pointers for all conference meeting rooms. For safety reasons, SPIE requests that presenters use provided laser pointers. Use of a personal laser pointer represents the user’s acceptance of liability for use of a non-SPIE-supplied laser pointer. If you choose to use your own laser pointer, you must have it tested at Speaker Check-in.
No-Smoking Policy
Attendees will observe all non-smoking regulations that are publicly posted by the facilities used by the event.

Payment Policy
Registrations must be fully paid before access to the conference is allowed. SPIE accepts VISA, MasterCard, American Express, Discover, Diner’s Club, checks and wire transfers. Onsite registrations can also be paid with cash.

Recording Policy
Conferences, courses, and poster sessions: For copyright reasons, recordings of any kind are prohibited without prior written consent of the presenter or instructor. Attendees may not capture or use materials presented in any meeting/course room or in course notes on display without written permission. Consent forms are available at Speaker Check-In or SPIE Registration. Individuals not complying with this policy will be asked to leave a given session and/or asked to surrender their recording media. Refusal to comply with such requests is grounds for expulsion from the event. Exhibition Hall: Recordings of any kind are prohibited without explicit permission from on-site company representatives. Individuals not complying with this policy will be asked to surrender their recording media and to leave the exhibition hall. Refusal to comply with such requests is grounds for expulsion from the event.

Reporting of Unethical or Inappropriate Behavior
Onsite at an SPIE meeting, contact any SPIE Staff with concerns or questions. If you feel in immediate danger, please dial the local emergency number for police intervention. SPIE has established a confidential reporting system for staff and all meeting participants to raise concerns about possible unethical or inappropriate behavior within our community. Complaints may be filed by phoning toll-free to +1-888-818-6898 from within the United States and Canada or online at www.SPIE.ethicspoint.com and may be made anonymously.

Unauthorized Solicitation
Unauthorized solicitation in the Exhibition Hall is prohibited. Any nonexhibiting manufacturer or supplier observed to be distributing information or soliciting business in the aisles, or in another company’s booth, will be asked to leave immediately.

Unsecured Items
Personal belongings should not be left unattended in meeting rooms or public areas. Unattended items are subject to removal by security. SPIE is not responsible for items left unattended.

Wireless Internet Service
At most events, SPIE provides wireless access for attendees. Properly secure your computer before accessing the public wireless network. SPIE is not responsible for computer viruses or other kinds of computer damage.