

Optics +  
Optoelectronics

2019

# EXHIBITION GUIDE

**Exhibition: 2 - 3 April 2019**

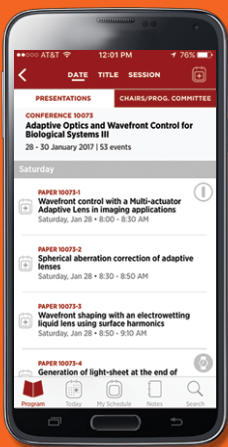
**Conference: 1 - 4 April 2019**

Clarion Congress Hotel  
Prague, Czech Republic

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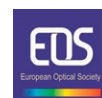
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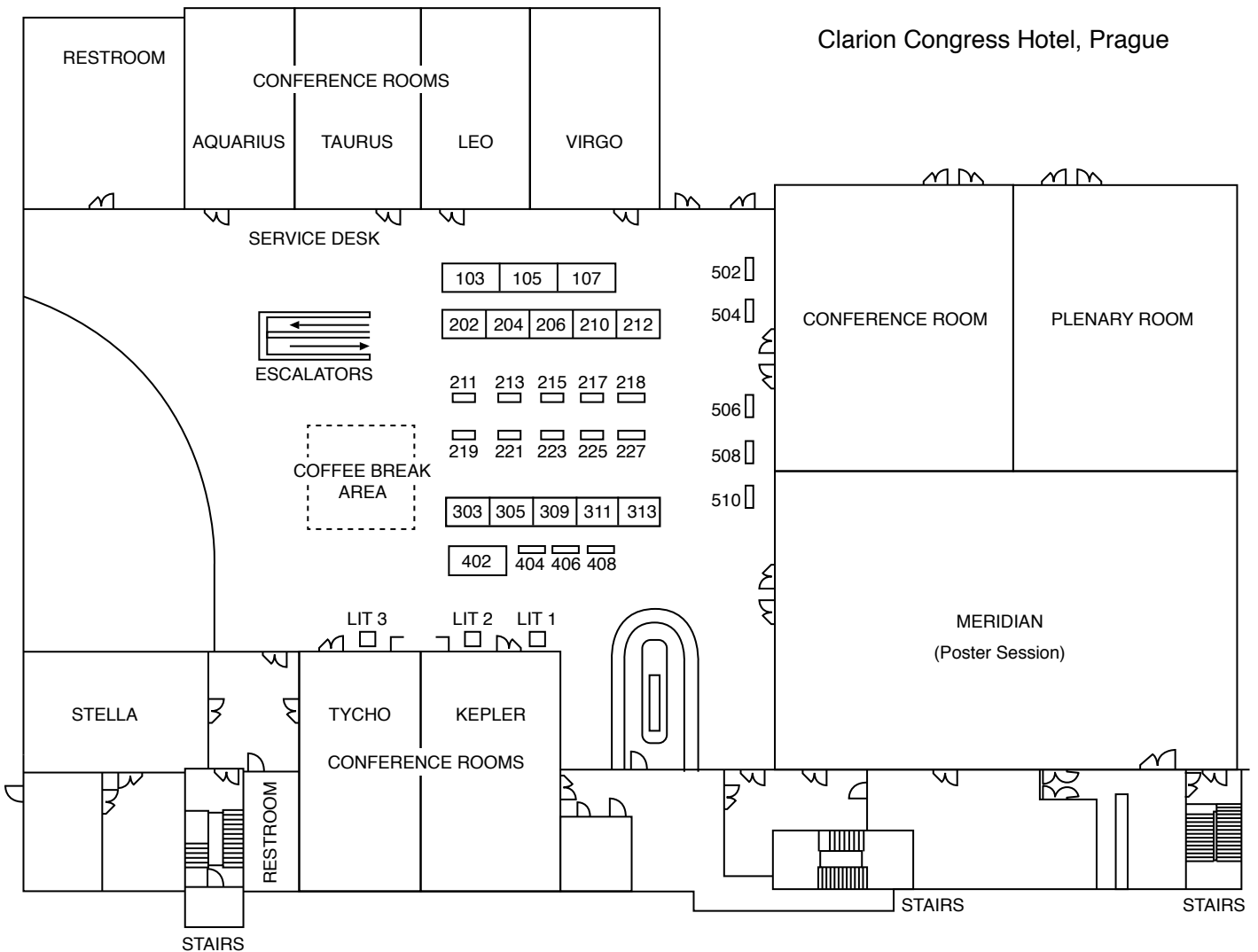
# SPIE Optics + Optoelectronics Exhibition Directory



**Exhibition: 2-3 April 2019**

Clarion Congress Hotel  
Prague, Czech Republic

SPIE Optics + Optoelectronics exhibitors are listed in alphabetical order with details about products or services each is exhibiting. Companies are additionally cross-indexed by technology areas. The address of each exhibitor is also listed, making this Exhibition Guide an excellent reference tool to take back to your office and share with your colleagues.



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## OPTICS + OPTOELECTRONICS EXHIBITOR LISTING

### AdlOptica GmbH

#504

**SPIE** Corporate Member

Rudower Chaussee 29, Berlin, 12489 Germany  
+49 030 56590 8880; fax +49 030 56590 8881  
info@adloptica.com; www.adloptica.com

**Featured Product: quattroXX - multi-focal beam shaping optics for multi-kW lasers**

AdlOptica works in field of multifocus and Laser Beam Shaping Optics finding numerous industrial and scientific applications. Multi-year developments are realized in family of piShaper systems, > 70 models: almost 100% efficiency, spectrum from UV to IR, power from mW to kW, CW or pulse lasers, achromatic design, variety of flat-top spot sizes, low sensitivity to misalignment. AdlOptica is located in Adlershof, Berlin, Germany's leading science and technology park. Contact: Alexander Laskin, Project Manager, alex@adloptica.com; Vadim Laskin, General Manager, vadimus@adloptica.com

### Amplitude

#218

2-4 rue du Bois Chaland - CE2926, Lisses, 91029 France  
+33 1 77 58 00 55  
info@amplitude-technologies.com; www.amplitude-technologies.com

Created in 2001, Amplitude Laser Group manufactures and commercialises 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

### AT-Fachverlag GmbH

#3LIT

Wilhelm-Pfizer-Str 28, Fellbach, 70736 Germany  
+49 711 95 29 51 0; fax +49 711 95 29 51 99  
at@at-fachverlag.de; www.photonik.de

Photonik is a German-language trade journal published 6 times a year, covering the high-tech areas of optical technologies (opto-electronics, laser technology, image processing, optical communication, optical metrology etc.). In this area, Photonik provides the highest circulation in the German speaking marketplace. Photonik publishes technical articles, reports on new products and business news. The magazine is targeted at development engineers and industrial users of such products.

### CESNET z.s.p.o.

#103

Optical Networks, Zikova 4, Prague 6, 160 00 Czech Republic  
+420 224 352 994; fax +420 2 2432 0269  
sluzby@cesnet.cz; www.cesnet.cz

**Featured Product: Flexgrid, Colorless, Directionless ROADM system with SDN control**

CESNET is an association of universities of the Czech Republic and the Czech Academy of Sciences. It operates and develops the national e-infrastructure for science, research and education which encompasses a computer network, computational grids, data storage and collaborative environment. It offers a rich set of services. Optical Networks Department focuses on research and its application in the field of photonic devices development and state-of-the-art optical networking architecture. Contact: Josef Vojtěch, Senior Researcher, josef.vojtech@cesnet.cz; Jan Kundrát, Junior Researcher, jan.kundrat@cesnet.cz

### EKSPLA

#215

Savanoriu Av 237, Vilnius, Vilniaus, 02300 Lithuania  
+370 5 264 9629; fax +370 5 264 1809  
sales@ekspla.com; www.ekspla.com

Innovative manufacturer of solid state and fiber lasers, systems and components. In-house R&D team and more than 25 years' experience enable to tailor products for specific applications and/or according to specific requirements from several units for R&D applications to series customised solutions for OEM. Main products are: Femtosecond, picosecond and nanosecond lasers, Tunable wavelength systems, High energy laser systems, Ultrafast fiber lasers, High power picosecond lasers, Spectroscopy systems.

### Electro Optics Magazine

#2LIT

4 Signet Ct, Cambridge, CB5 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

**EIFys Oy****#508**

Tekniikantie 12, Espoo, Helsinki-Uusimaa, 02150 Finland  
+358 40 860 9663

info@elfys.fi; www.elfys.fi/

**Featured Product: Photodiode, Photodetector, UV detector, X-ray detector, Black Silicon technology**

EIFys offers superior Photodiodes with quantum efficiency better than anything seen so far. New frontiers of spectroscopy can be explored, any light detection application can be made either smaller or better, and X-Ray imaging done with less radiation or obtaining better images. Application areas range from UV spectroscopy through blood cell counters and security scanners to medical imaging and mobile phones. Contact: Fan Ji, Account Manager, ji.fan@elfys.fi; Mikko Juntunen, CEO, mikko.juntunen@elfys.fi

**ELI Beamlines****#309**

Institute of Physics of the CAS vvi, Za Radnici 835, Dolni Brezany, 252 41 Czech Republic  
+420 266 51109

info@eli-beams.eu; www.eli-beams.eu/

ELI Beamlines is part of the Extreme Light Infrastructure (ELI) project, a new Research Infrastructure of pan-European interest and part of the European Strategy Forum on Research (ESFRI) Roadmap. ELI will be a multi-sited Research Infrastructure with complementary facilities located in the Czech Republic, Hungary, and Romania for the investigation of light-matter interactions at the highest intensities and shortest time scales. The laser intensity will be more than six orders of magnitude higher than today's state of the art.

**EuroPhotonics, a Photonics Media Publication****#1LIT****SPIE** Corporate Member

100 West Street, 2nd Floor, Pittsfield, MA, 01201 United States  
+1 413 499 0514; fax +1 413 442 3180

info@photonics.com; www.photonics.com

**Featured Product: EuroPhotonics magazine covers the entire photonics industry from the European marketplace**

Photonics Media brings you the latest research, product information, and business news for the entire photonics industry. Our extensive resources include four magazines - Photonics Spectra, Biophotonics, Vision Spectra and EuroPhotonics - available in print and digital; the Photonics Buyer's Guide - available in print and online; e-newsletters; webinars; and our website. Visit [www.photonics.com](http://www.photonics.com) for more information and to subscribe for FREE. Contact: Matthew Beebe, Sales Account Manager, matt.beebe@photonics.com; Justine Murphy, Editor, justine.murphy@photonics.com

**FASTLITE****#502**

Bâtiment D, 165 rue des Cistes, Antibes, 06600 France  
+33 488131751

anna@fastlite.com; www.fastlite.com

Fastlite proposes innovative solutions for the ultrafast laser user community. Our new high flux IR OPCPA systems deliver tunable, few-cycle, CEP-stabilized pulses with unprecedented stability. Standard products also include the DAZZLER pulse shaper, and the WIZZLER spectral phase measurement system. The DAZZLER / WIZZLER feedback loop enables automated pulse compression and contrast optimisation of amplified laser pulses. The FRINGEEZZ CEP detector allows high bandwidth feedback loop to reach ultimate CEP stability.

**FORC-Photonics****#510****SPIE** Corporate Member

Building 3, Level 4, Section I, Room 5, 20 Nauchnyi proezd, Moscow, 117246 Russian Federation

+7 495 589 76 72; fax +7 495 374 76 34

info@forc-photonics.com; www.forc-photonics.com

**Featured Product: FBG; specialty optical fibers; fiber sensors, fiber amplifiers, broadband light source**

Fabrication and development different types fiber Bragg gratings (FBG); active and passive specialty optical fibers; high temperature fiber-optic sensors (temperature, vibration, displacement, deformation and other); high power fiber amplifiers, broadband light sources. Contact: Alexey Zarenbin, CEO, info@forc-photonics.com

**greateyes GmbH****#225**

Justus-von-Liebig-Straße 2, Berlin, 12489 Germany  
+49 30 912075 250; fax +49 30 912075 251

info@greateyes.de; www.greateyes.de/

**Featured Product: Scientific CCD cameras for photon detection ranging from X-ray through EUV to VIS and NIR region**

greateyes GmbH is an aspiring German-based manufacturer of scientific high-performance cameras for imaging and spectroscopic applications. The company is passionate about innovative, cutting-edge technology and strives for continuous product improvement. Based on their unique platform concept, customers can choose from a large portfolio of cameras (more than 50) featuring high dynamic range combined with excellent sensitivities, ranging from the X-ray through EUV to the VIS and NIR region. Contact: Torsten Wende, torsten.wende@greateyes.de

**SPONSOR****HAMAMATSU PHOTONICS Deutschland GmbH****#402**

Arzbergerstr 10, Herrsching, 82211 Germany  
+49 8152 375 0; fax +49 8152 375 111

info@hamamatsu.de; www.hamamatsu.de

Featured Product: Photomultiplier, MPPC, APD, Photo-IC, Camera, Scintillator, MEMS-FPI, ToF

Hamamatsu Photonics is a worldwide leading manufacturer of opto-electronic components and systems. Among others we offer sensors and systems for spectroscopy (including ultra fast), scientific-grade cameras, beam monitoring solutions, photon counting detectors and systems, photomultipliers, photodiodes, IR detectors. Contact: Alexander Kirst, Project coordinator Marketing, akirst@hamamatus.de; Colin Kramer, Senior Sales Engineer, ckramer@hamamatsu.de

## EXHIBITOR LISTING

### Hermetic Solutions Group

#107

4000 Rte 66, Suite 310 One Houchild Plaza, Tinton Falls, NJ, 07753 United States  
+1 732 722 8780

info@hermeticsolutions.com; www.hermeticsolutions.com  
The Hermetic Solutions Group (HSG) brings three leading component manufacturing and service companies (Hi-Rel Group, Litron, Sinclair Manufacturing and PA&E) together under a single umbrella – providing our customers with an end-to-end solution for both turn-key and custom hermetic packaging. With 223,000 square feet of manufacturing space (including plating facilities) over locations on the east and west coasts of the U.S. Canada and the United Kingdom. Contact: Rick Kalkowski, Marketing Manager, rkalkowski@hermeticsolutions.com

### HiLASE Centre, Institute of Physics

#210

Institute of Physics ASCR, Za Radnici 828, Dolní Brezany, 25241 Czech Republic  
+420 702 196 552; fax +420 286 890 927  
info@hilase.cz; www.hilase.cz

#### Featured Product: Optics and Lasers

HiLASE Centre combines the development of diode pump solid state pulsed lasers DPSSL with the development of laser driven applications requiring high energies, high average power or high peak power. Developed and operated laser systems with short and ultra-short pulses are considered to be the most powerful laser systems in the world, according to known data. The developed laser systems provide a beam from the hard UV area through the visible spectra to the near and mid-IR light. Contact: Michael Pisarik, Business Development Manager, michael.pisarik@hilase.cz

### IDIL Fibres Optiques

#221

21 rue Louis de Broglie, Lannion, 22300 France  
+33 2 96 05 40 20  
info@idil.fr; www.idil.fr

#### Featured Product: Fiber laser / Photonic Doppler Velocimeter / Laser seeder / Integration of active/passive components

IDIL, an engineering company specialised in optoelectronics solutions developed multiple skills and systems for Science, Industry and Defence, derived from Telecommunications. IDIL is a leading specialist in engineering and optoelectronic integration. It's cross-disciplinary expertise in optical/optoelectronics technologies and it's team of technicians/engineers allow IDIL to provide prototypes, short-runs as well as large series customised products that perfectly meet customer requirements. Contact: Boris Pedrono, Sales Director, info@idil.fr; Marie Morvan, Sales / Marketing Assistant, marie.morvan@idil.fr

### Imagine Optic

#404

**SPIE** Corporate Member

18 rue Charles de Gaulle, Orsay, 91400 France  
+33 16 486 1560; fax +33 16 486 1561  
contact@imagine-optic.com; /www.imagine-optic.com

#### Featured Product: Shack Hartmann wavefront sensors, deformable mirror, HASO, ILAO STAR, EUV Hartmann wavefront sensor

Imagine Optic was founded in 1996 by Xavier Levecq and Samuel Bucourt when the pair realised that their combined expertise could give birth to a new type of wavefront sensor dedicated to AO and optical metrology. Their ambition was to develop a sensor offering accuracy, dynamic range and versatility, all at the same time without compromise. Contact: Julie Siv, Sales, jsiv@imagine-optic.com

### Inprentus, Inc.

#223

51 E Kenyon Rd, Champaign, IL, 61820 United States  
+1 217 239 9862; fax +1 217 430 9202  
info@inprentus.com; www.inprentus.com/

#### Featured Product: Blazed Diffraction Gratings

Inprentus has developed a new method for manufacturing mechanically ruled blazed diffraction gratings for synchrotron, FEL and laser applications, offering high resolving power with blaze angles lower than 1 degree. These new diffraction grating products offer the scientific community a new level of capability to apply to spectrometer, monochromator and laser instrumentation. Contact: Marty Dugan, VP Sales & Business Development, marty.dugan@inprentus.com; Charles Strehlow, Sales Engineer, info@inprentus.com

### iXBlue Photonics

#211

3 rue Sophie Germain, Besancon, 25000 France  
+33 3 81 850 386  
herve.gouraud@ixblue.com; www.photonics.ixblue.com

iXBlue Photonics helps photonics engineers all around the world to get the most out of the light by providing high performance, innovative and reliable photonic solutions. We offer specialty fibers, Bragg gratings and optical modulation solutions based on the company integrated modulators for a variety of applications including: optical communications, fiber lasers and amplifiers, fiber optics sensors, space and sciences.

### LASERLAB-EUROPE

#406

Lunds Univ, PO Box 118, Lund, 221 00 Sweden  
+46 46 222765; fax +46 46222425  
office@laserlab-europe; www.laserlab-europe.eu

#### Featured Product: Access to state-of-the-art laser research facilities and know-how in Europe

Laserlab-Europe, the network of European Laser Research Infrastructures, is a consortium of 33 leading organisations in laser-based inter-disciplinary research from 16 countries. Together, the partners pursue joint research in a flexible and coordinated fashion beyond the potential of a national scale and offer access to state-of-the-art laser research facilities to researchers from all fields of science and from any laboratory and from industry in order to perform world-class research. Contact: Daniela Stozno, Project Manager, stozno@mibi-berlin.de

**LASERMET****#506**

Lasermet House, 137 Hankinson Rd, Bournemouth Dorset, BH15 3PR United Kingdom  
+44 1202 770 740; fax +44 1202 770 730  
office@lasermet.com; www.lasermet.com

**Featured Product: ICS-6 ELISe Laser Interlock Control System for the safe operation of your laser to EN60825-1**

Lasermet are the laser safety engineers dedicated to providing safe engineered solutions for the operation of all powers and wavelengths of lasers in all applications. Since 1987 Lasermet have designed and installed thousands of laser safety systems and equipment worldwide to conform to the latest laser safety standards. Using lasers in your lab means you should be trained in laser safety and have approved, certified laser safety equipment to prevent injury. Lasermet provide everything you need. Contact: David Lawton, European Sales Manager, david.lawton@lasermet.com; Phil Jones, Marketing Manager, phil.jones@lasermet.com

**LAYERTEC GmbH****#217**

Ernst-Abbe-Weg 1, Mellingen, 99441 Germany  
+49 36453 7440; fax +49 36453 744 40  
info@layertec.de; www.layertec.de

**Featured Product: High Power Optics, Ultrafast Optics, Aspheric Mirrors, OPO Optics, Custom Optics**

LAYERTEC produces high quality optical components (precision optics; flat, spherical and aspheric optics) for laser applications. Coatings ranges from high power applications, broadband optics, ultrafast lasers, filters, polarization control to complicated custom designs. Our technologies include magnetron sputtering, IBS, IAD and thermal evaporation. LAYERTEC produces customised and stock optics. Staff: 300 employees; 40 coating chambers; in-house optics production. Contact: Frank Wunderlich, Head of Sales Department, info@layertec.de

**Luxel Corp.****#212****SPIE** Corporate Member

PO Box 1879, 60 Salt Spring Dr, Friday Harbor, WA, 98250-9062 United States  
+1 360 378 4137; fax +1 360 378 4266  
luxel@luxel.com; www.luxel.com

**Featured Product: Soft X-Ray Filters for Princeton Instruments' PI-MTE Camera**

Luxel is the world's leading producer of ultra-thin freestanding filters for soft x-ray & EUV transmission. We offer more than 70 different materials, with thicknesses ranging from 8nm to 20micron, & custom 2D and 3D apertures. Luxel products, including spaceflight filters, pressure windows, and sensor protectors, are assembled in Class 5 cleanrooms. We offer extensive technical support with thin film modeling, characterization, & CAD capabilities. Lead times as short as 1 week. www.luxel.com Contact: Travis Ayers, President, travis.ayers@luxel.com; Ben Zeiger, Chief Scientist, ben.zeiger@luxel.com

**Maiman Electronics LLC****#510**

st. Beloostrovskaya 8, office 1505, Saint Petersburg, 197342 Russian Federation  
+7 921 906 1446  
a.gayosa@maimanelectronics.com;  
www.maimanelectronics.com

**Featured Product: Laser Diode Driver: Powerful OEM CW compact LD driver; Driver for Butterfly LD, Benchtop solution**

My company Maiman Electronics LLC <https://www.maimanelectronics.com/> develops and manufactures ultra-compact OEM laser diode drivers. SF6XXX - Powerful OEM CW compact LD driver (up to 100A; up to 40v); SF8XXX - OEM driver for Butterfly LD (All-in-One Current Source, Temperature Controller and Mount). MBLXXX - benchtop solution. Contact: Alexey Gayoso de los Santos, CEO, a.gayoso@maimanelectronics.com

**MIT, spol. s.r.o.****#206**

Klanova 56, Praha 4, 147 00 Czech Republic  
+420 241712548; fax +420 241710252  
info@mit-laser.com; www.mit-laser.cz

**Featured Product: Lasers, Photonics & Micromechanics**

Business, consulting and maintenance services in the area of laser technology, photonics and micromechanics.

**Northrop Grumman Cutting Edge Optronics****#213****SPIE** Corporate Member

20 Point West Blvd, Saint Charles, MO, 63301-4430 United States  
+1 636 916 4900; fax +1 636 916 4994  
st-ceolaser-info@ngc.com;  
www.northropgrumman.com/ceolaser

Northrop Grumman Cutting Edge Optronics is a leading manufacturer of laser diodes, DPSS laser modules and complete DPSS laser systems for demanding commercial and military environments. CEO products and systems are used in applications including High Energy lasers, Ti:Sapphire pumping, PIV, LIDAR and Material Processing. Contact: Donna Berns, Sales Manager, donna.berns@ngc.com

**Northrop Grumman SYNOPTICS****#213**

1201 Continental Blvd, Charlotte, NC, 28273 United States  
+1 704 588 2340; fax +1 704 588 2516  
STSYNOPTICSsales@ngc.com;  
www.northropgrumman.com/synoptics  
Northrop Grumman SYNOPTICS - add featured product and company description

**Featured Product: Ti:Sapphire, KTF and IBS coating are new products/services that we will be highlighting.**

Northrop Grumman SYNOPTICS is the world's leading manufacturer of crystals for use in solid-state lasers. We also manufacture a line of specialty crystals and Air Spaced Polarizers for use at 1064nm. Products are used in applications in the military, medical, industrial and scientific markets. Materials include Nd:YAG, CTH:YAG, Er:YAG, Ruby, Undoped YAG, Nd:YLF, Alexandrite, TGG, Nd:YVO<sub>4</sub>, KTP, Cr<sup>4+</sup>:YAG, Co:Spinel, and Yb:YAG. Diffusion bonding and contract coating and crystal growth are also available.

## EXHIBITOR LISTING

### SPONSOR

#### OPTOSIGMA

#305

6 Ave des Andes, batiment 2, Les Ulis Essonne, 91940 France  
+33 1 6918 1700

sales@optosigma-europe.com; www.optosigma.com

Leader in design and manufacturing of optical components  
OptoSigma offers a variety of products to address the demand of high quality photonics components. Our portfolio includes all kinds of optics as well as opto-mechanics products, manual and motorized stages, optical tables... we can customize almost any product from the catalog or design a new one. From a few pieces to mass production, our engineers are capable of dealing with these requests.  
Contact: sales@optosigma-europe.com

#### OXXIUS

#219

**SPIE** Corporate Member

4 rue Louis de Broglie, Lannion, 22300 France

+33 2 96 48 70 28; fax +33 2 96 48 21 90

sales@oxxius.com; www.oxxius.com

Oxxius manufactures innovative solid-state lasers for life science, spectroscopy and industrial applications. Its LaserBoxx compact laser modules, featuring wavelengths in the UV, visible and NIR, have outstanding performance with market-leading power levels. The LCX & LPX DPSS and LBX & LSX laser diode share the same platform offering mechanical, optical and connection compatibility for easy integration - The L6Cc and L4Cc are compact laser launchers for microscopy and spectroscopy applications.

### SPONSOR

#### OZ Optics Ltd.

#202

**SPIE** Corporate Member

219 Westbrook Rd, Ottawa, ON, K0A 1L0 Canada

+1 613 831 0981; fax +1 613 836 5089

ysezerman@ozoptics.com; www.ozoptics.com

#### Featured Product: Online Catalog

Fiber Optic Test Equipment, Power Meters, Smart Detector Heads, Fault Finders, Smart Patchcords, Optical Power Monitors, Fixed / Tunable Filters, Optical Delay Lines, High Power Visual Fault Locators, Light Sources, Attenuators, High Speed Polarization Controllers / Scramblers, PDL Emulators, Switches, PLCS. Benchtop family: ER Meters, Backreflection Meters, Fiber Length Meters. Contact: Omur Sezerman, CEO & President, sales@ozoptics.com; Yesim Sezerman, Marketing Manager, ysezerman@ozoptics.com

#### Raptor Photonics Ltd.

#313

**SPIE** Corporate Member

Willowbank Business Park, Larne N Ireland, BT40 2SF United Kingdom

+44 2828 270141; fax +44 2828 275685

sales@raptorphotonics.com; www.raptorphotonics.com

#### Featured Product: Eagle - 4MP CCD - Direct X-Ray Open Front and In-Vacuum options with a host of accessories available

Raptor Photonics aims to provide world class low light level camera solutions to industrial, research and governmental organisations' around the globe. Raptor Photonics Limited is a high-tech company based in Northern Ireland, which was established in September 2006. Our main focus is to design, manufacture and sell the next generation of high performance, cutting edge, low light level digital cameras.  
Contact: Mark Donaghy, VP Sales & Marketing, md@raptorphotonics.com

#### Rigaku Innovative Technologies Europe #204

Novodvorska 994, Prague 4, 142 21 Czech Republic

+420 734 231 472

Sales.Prague@Rigaku.com; www.rigakuoptics.com

Rigaku Innovative Technologies Europe (RITE) is an R&D unit of Rigaku Corporation. Our core products are ultra high-resolution X-ray cameras with a spatial resolution of 300 nm. These cameras are available as CCD or sCMOS. RITE is also a manufacturer of the unique replicated optics. It is a rotational symmetric 3D optics use for EUV, soft - and hard X-rays for focusing and collimation.

#### Safibra, s.r.o.

#408

Cernokostelecka 1621, Ricany, 251 01 Czech Republic

+420 323 601 615

safibra@safibra.cz; www.safibra.cz

Safibra, s.r.o., is a private engineering company bringing advanced photonic and optical fiber products to its clients and developing optical sensing systems according to individual customer requirements. Thanks to their experience Safibra provides full support for the planning and design of optical systems and sensor systems for specific applications, installation and adjustment of systems, solutions for special requirements and also deals with consulting and training activities.

#### scia Systems GmbH

#303

**SPIE** Corporate Member

Annaberger Str 240, Chemnitz, Saxony, 09125 Germany

+49 371 5347 780; fax +49 371 5347 781

info@scia-systems.com; www.scia-systems.com

#### Featured Product: scia Coat 200/500 for homogeneous multilayers and scia Cube 750 for large area structuring/coating

scia Systems is a full range supplier of advanced ion beam and plasma processing equipment. The systems are applicable for coating and etching processes in the production of microelectronics, MEMS and precision optical components. Due to their flexible and modular design, the systems can be configured according to customer specific requirements. Amongst others by combining several vacuum process chambers into cluster or in-line solutions.



**SPIE****#105**

1000 20th St, Bellingham, WA, 98225-6705 United States  
 +1 360 676 3290; fax +1 360 647 1445  
[www.spie.org](http://www.spie.org)

SPIE, the international society for optics and photonics, is a not-for-profit membership society founded in 1955 to advance light-based technologies. SPIE advances emerging technologies through conferences and exhibits, continuing education, publications, patent precedent, and career and professional growth. SPIE proceedings, journals, and eBooks are published in the SPIE Digital Library, the largest collection of optics and photonics applied research.

**Thales SESO****#311**

Pôle d'Activités d'Aix-en Provence Les Milles, 530 Rue Frederic Joliot, Aix-en-Provence Cedex 3, 13593 France  
 +33 4 42 16 85 00; fax +33 4 42 16 85 85  
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## International Day of Light

16 May

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.**



### SPIE IDL GRANTS

SPIE provides 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.

New technology and science category in 2019, a chance to win \$750. Sponsored by: [lightsource.org](http://lightsource.org)



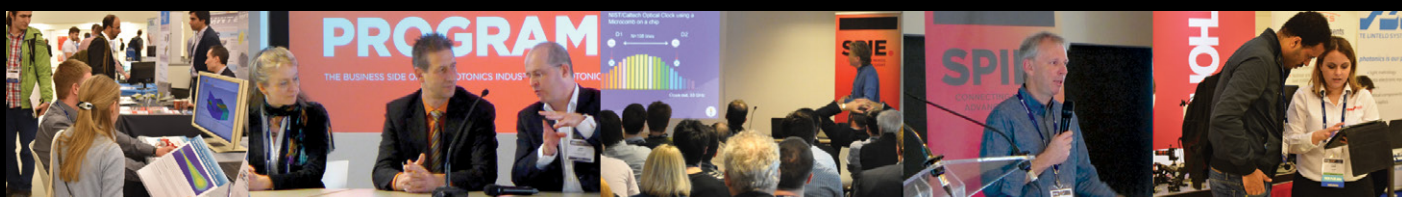
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