Exhibition Directory
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SPIE®

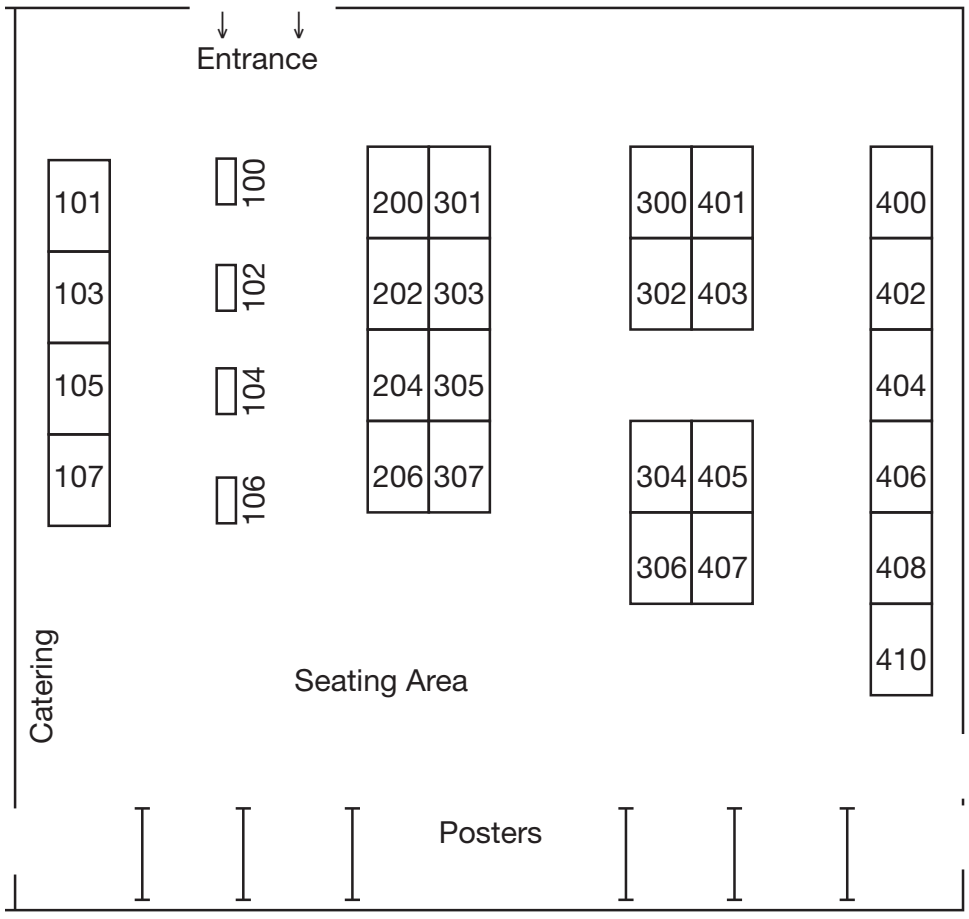
2012 Optical Systems Design

Moving Technology to Market™

Exhibition Dates:

27 – 28 November 2012
Centre Convencions Internacional Barcelona

Tuesday . . . . . 10:00 am to 17:30
Wednesday . . . . . 10:00 am to 17:30



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Alava Ingenieros Group #401

Calle Albasanz 16, Madrid, 28037 Spain
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info@alava-ing.es; http://www.alava-ing.es

Alava Ingenieros Group is an entirely privately owned group which has been providing high technology solutions in the Testing, Measurement, Communications Security, Defence and Preventive Maintenance fields since it was first founded in 1973. The group offers consultancy, engineering, distribution, training and technical services, providing turn-key projects for several sectors including Aerospace, Automotive, Security, Defence, Communications and Finance, as well as Testing and Research Centres, Universities, Public Services and Industry in general.

ASE Optics Europe #303

C/ Jordi Girona 10, Barcelona, 08034 Spain
+34 659743583
http://aseoptics.eu

Need help with a challenging optical application? ASE Optics Europe provides optical engineering talent for world-class optical systems. We create applied engineering solutions for a wide range of applications. Our focus is on innovative, cost-effective designs. We enjoy solving problems with creativity and collaboration. Our highly skilled PhD, MS, and BS level engineers bring extensive experience and knowledge of both theoretical and applied systems. Based in Barcelona, Spain, our team has the expertise to tackle the most complex of challenges. As an RPO Company, ASE Optics Europe helps customers move from lens and assembly design to prototype to full production if needed. Rochester Precision Optics offers expanded access to technology, facilities and testing to speed our customers? time to market.

CD6 UPC #302

Ramblas Sand Nebridi, 10 Terassa, Barcelona, 8222 Spain
http://www.cd6.upc.edu

The Centre for Sensor, Instrument and Systems Development (CD6) is a research centre belonging to the Technical University of Catalonia (UPC). Its purpose is to provide services to companies and to carry out technological innovation projects in the field of optical engineering. The CD6's facilities include mechanics and electronics workshops and specialised laboratories. The work carried out at the CD6 has resulted in numerous publications in internationally renowned journals, patents and spin-off companies.

CeramOptec GmbH #107

Siemensstr 44, Bonn, Germany
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info@ceramoptec.de; http://www.ceramoptec.com

CeramOptec is a German based medium sized company located in Bonn, and specialized in producing quartz glass multimode step-index fibers. Our product range contains fibers and cables for industrial application as well as fiber bundles for spectroscopy, various laser applications, sensor technology etc. Through our own perform production we are able to offer innovative customized fibers and fiber optic products. Special fiber designs with non-circular-core are possible. Different geometries such as square, rectangular, hexagonal or octagonal effect low-loss mode mixing are combined with minimal focal radiation degradation (FRD). Recently we offer NCC fibers with rectangular silica core and rectangular fluorine doped silica cladding, for an efficient coupling in and bundling of laser diodes radiation with its special characteristic. Standard products and Customized Solutions: fused silica optical pre-forms, fused silica optical fibers, fused silica fiber assemblies, fused silica bundles and fused-end bundles, medical fibers.

CHYLAS #407

C/ Valle de la Ballestera n° 39 Pta 18°, Valencia, 46015 Spain
+34 655 539 130
sales@chylas.com; http://chylas.com

ChyLas manufactures fiber-optic components and advanced optical fiber lasers for industrial and scientific applications. Optical fiber lasers are a reliable solution for systems that require a coherent light source with an extreme high quality of the beam, such as marking, printing or welding industrial systems. In addition, the technological capacities of the company allow designing and fabricating of multiple hybrid components, with a broad range of applications. ChyLas was established in June, 2006, as a spin-off company of the Universitat de València, to exploit the technology originated at the Optical Fiber Laboratory. The know-how of ChyLas covers a wide range of areas, from optical components such as fiber Bragg gratings or tapered fibers, to fiber lasers and photonic crystal fiber components, as well as difeent electronic sistems. ChyLas offers a catalogue with a number of products for different applications. In addition, we offer the possibility of contact us to combine our different abilities to fabricate the optical fiber system you need for your application

Computer Vision Ctr. #307

Edifici O Campus UAB, Barcellona, 08193 Spain
+34 93 581 18 28; fax +34 93 581 16 70
cvc@cvc.uab.es; http://www.cvc.uab.es

The Computer Vision Centre is a non-profit institution and leading research and development centre in the Computer Vision field. On account of its good practices, the CVC has positioned itself as an authority in the Computer Vision field and is regarded as a reference of knowledge generation for society.

Easy Laser S.L. #403

Formentera 24, Sant Quirze Del Valles, 08192 Spain
+34 937 369 370; fax +34 937 369 371
easy@easy-laser.biz; http://www.easy-laser.biz/eng/easy-laser-company.html

We place at your disposal over 30 years of experience in laser technology, to offer you real solutions with the maximum cost-effectiveness for your business. We are specialists in lasers: whatever the application, we offer you the most appropriate solution for your requirements at the best price. At present more than 3160 systems made by Easy Laser are operating in 61 different countries, more than 95% of them outside Spain (data March 2012).

FIBERSUNTECH S.L. #410

Parque Technologico De Madrid, C/Torres Quevedo 7, TRES CANTOS
28760 Spain
+34 936113188

FRACTAL S.L.N.E #402

Calle Tulipán 2 portal 13 1-A, Las Rozas de Madrid, 28231 Spain
+34 916379640; fax +34 917 91 71 13
info@fractal-es.com; http://www.fractal-es.com/Fractal-ingles.htm

FRACTAL has an expert, stable and committed team. We cover the subjects of Astronomy, Management, System Engineering, Optics, Opto-mechanics, Mechanics, Electro-mechanics, Cryogenics, Detectors, Data Acquisition Systems, and Software (Real Time Systems, Distributed Systems, Mechanisms Control, Data Base, Telescope's Control Systems and Data Reduction).

Hamamatsu Photonics #400

C Argenters 4 Edif 2, Parque Tecnologico del Valles, Cerdanyola Barcelona, 08290 Spain
+34 3 582 4430; fax +34 3 582 4431
dcastrillo@hamamatsu.es; http://sales.hamamatsu.com/en/contact-us.php

Behind this commitment to quality stands an equally important commitment to research. Hamamatsu is known for its research into both the basic and applied aspects of the science of light. Working in our labs and through collaborative partnerships with a variety of research organizations, Hamamatsu sees light and its research not only as a springboard for new knowledge and technologies but for the improvement of life itself. This philosophical commitment to research is backed by a strong financial commitment. Over a five year period the company's overal ratio of R&D expenses to net sales averaged 13%.

Hellma Materials GmbH #103

Moritz-von-Rohr-Str 1, Jena, 07745 Germany
+49 3641 2877 0; fax +49 3641 2877 203
info.materials@hellma.com; www.hellma-materials.com

Featured Product: Calcium Fluoride crystals (max. 440 mm diameter), Barium Fluoride crystals, Laser crystals

Hellma Materials produces high quality materials for various optical applications from deep UV to IR. Continuing the Calcium Fluoride business of Schott Lithotec, we supply to diverse markets including Microlithography, Excimer Laser Optics, Analytical Instrumentation, Astronomy, Defense and more. Contact: Daniel Hahn, Area Sales Manager, daniel.hahn@hellma.com

Iberoptics Sistemas Opticos #301

Gamonal No 16 Ofina 4-I, Madrid, 28031 Spain
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info@iberoptics.com; http://www.iberoptics.com

In Iberoptics we provide high-performance Optical Systems: Cameras CCD / CMOS lenses, lighting, accessories ..., backed by industry leading brands. In Iberoptics work to meet their needs, based on the experience and knowledge, offering a quick and timely service. We invite you to explore this site to view our full range of products and ask as much information as needed through the contact channels.

IN2UB - Univ De Barcelona #306

Martí i Franquès 1, Barcelona, 08028 Spain
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in2ub@ub.edu; http://www.ub.edu/in2ub

The Institute for Nanoscience ans Nanotechnology of the University of Barcelona (IN2UB) was created in 2006 with the purpose of encouraging research and promoting its outcome within society, in order to contribute to the progress of science and innovation and to spur industrial excellence as well. In this framework, the Institute explores six different research areas which comprehend several specific lines. A part of this research is focused on photonics and optics, with outstanding results. The Institute offers services such as polarimetric characterization and laser direct writing techniques for microfabrication, as well as design, modeling and fabrication of novel photonic structures and devices and comprehensive characterization of photonic performance. Some examples of ongoing research at the institute are the development of optical sources integrated in silicon photonics and the study of the optical properties of 2D-crystal structures for photonic applications.

IREC #408

Jardins de les Dones de Negre 1 2@ pl, St Andria de Besos, Barcelona, 08930 Spain
+34 933 562 615; fax +34 933 563 802
info@irec.cat; http://www.irec.cat

The Catalan Institute for Energy (ICAEN), the Research Centre for Energy, Environment and Technology (CIEMAT) and the Catalonia Institute for Energy Research (IREC) today signed an agreement to create a research and technology development programme in the area of nuclear fusion energy technologies. One of the initiative's main goals is to promote the participation of the maximum number of Catalan businesses in bidding for programmes to supply equipment and services for the ITER project being built in Cadarache (France). In this regard, the participation of the Catalan industrial network is of major importance because of the presence in Barcelona of the European Unions Fusion for Energy (F4E) Agency, responsible for managing the projects equipment and services purchases.

J.D. Photo Tools Ltd #104

Meridian Centre, King Street, Oldham, OL8 1E, United Kingdom
+44 1616272949; fax +44 1616200764
sales@jdphoto.co.uk

Lasing, S.A. #406

Julian Camarillo 16 1° 7-8, Madrid, 28037 Spain
+34 91 377 5006; fax +34 91 407 3624
info@lasing.com; http://www.lasing.com/

Lasing, S.A. is, since 1980, a company dedicated to the distribution in Spain of the highest technology in instrumentation and photonic products. Lasing, S.A. activities are based mainly in three areas where the company has been specialised being leader in the sector because its high professionalism and excellent technical support, having in Spain a big number of installations in Investigation Centres, Universities, Hospitals and the main Industries.

Light Prescriptions Innovators Europe, S. L. #304

Campus de Montegancedo UPM, Edificio CeDInt,
Pozuelo (Madrid), 28223 Spain
+34 91 452 4890; fax +34 91 452 4892
info@lpi-europe.com; http://www.lpi-llc.com

LPI´s Design and R&D group includes some of the most prominent talent in the fields of Nonimaging Optics with applications in Solid State Illumination and Concentrated Photovoltaics. These experienced optical scientists, combined with its extensive fabrication know-how, make LPI uniquely capable of conducting developmental projects with minimum time-to-market. The LPI management team consists of a group of highly qualified experts with international reputation in the optics fields, both in the US as well as in Europe. The list on the right shows some of these team members. To learn more about a particular team member, click on the name.

Light Tec #204

359 rue Joseph St, Espace Alexandra, Hyeres, 83400 France
+33 494 12 18 48; fax +33 494 12 18 49
sales@lighttec.fr; http://www.lightec.fr

Featured Product: Code V , LightTools , RSOFT, TFCalc,SigFit, Reflet, Mini- Diff ....

Light Tec provides a wide range of optical simulation software covering areas as different as:

- illumination - displays - straylight analysis - optical design - optical communication - integrated optics - laser propagation - thin film design - grating design - laser diode design.

Light Tec provides also scattering mesurements as a service or as instruments. We have also a photometric laboratory allowing us to measure the photometry of prototypes, commercial LEDs or materials. Contact: Yan Cornil, yan.cornil@lighttec.fr; Nathalie Pucci, export assistant, nathalie.pucci@lighttec.fr

LightTrans VirtualLab UG #106

Kahlaische Str 4, Jena, 07745 Germany
+49 36 41 5312950; fax +49 36 41 5312901
service@lighttrans.com; http://www.lighttrans.com

Featured Product: LightTrans VirtualLab 5 – field tracing software for optical modeling and design

The field tracer provides suitable modeling and design techniques based on unified optical modeling. New: the Lighting Toolbox for the design and simulation of non-paraxial optical systems, e.g. setups using LED's or other highly divergent partially coherent sources. Also: several optimization strategies, as parametric methods and the iterative Fourier transform algorithm, supporting the design of optical systems and components incl. aspherical lenses, beam shapers, diffusers, gratings. Contact: Volkmar Betz, Account Mananger, betz@lighttrans.com; Petra Wyrowski, CEO, p.wyrowski@lighttrans.com

MONOCROM S.L. #405

C/ Vilanoveta 6, Vilanova i la Geltrú, 08800 Spain
+34 93 814 9450; fax +34 93 814 3767
info@monocrom.com; http://www.monocrom.com

We are creating and manufacturing laser modules to our customers for more than fifteen years, thanks to the effort of a highly qualified, creative and motivated team. Our courage, creativity and dynamism make us different. We have demonstrated the applicability of new concepts in laser physics and technology, like our patented clamped high power diode laser, or our Q-Switched green SSL, capable of providing microseconds pulses and considered the most important development in Eye surgery from the last years. Our present challenge is to design an ultra light-weight and resistant green laser device for a Space mission to Mars.

Ohara GmbH #206

Nordring 30 A, Optisches Glas, Hofheim, 65719 Germany
+49 61 9296 5050; fax +49 6192 6950 51
info@ohara-gmbh.com; http://www.ohara-gmbh.com

Ohara is a world leader in the development and manufacturing of optical glasses. We are concentrating on optical applications and related technical fields. For example, optoelectronics. Our progress and success in the supply of advanced optical materials is more than anything else determining the future development and direction of the Ohara Group. Ohara was the first supplier to redesign his existing assortment of optical glasses, turning nearly all of them into so called ECO glasses.

optics.org #105

Ffordd Pengam, 2 Alexandra Gate, Cardiff, CF24 2SA United Kingdom
+44 29 2089 4747; fax +44 29 2089 4750
sales@optics.org; http://www.optics.org

optics.org where the business of photonics meets the global photonics community! Excellent editorial quality, exclusive, must -read content makes optics.org essential for keeping up-to-date on news, market trends, new products, business analysis and financial updates. It also has a comprehensive buyers guide, international career centre and events info.

Optimax Systems, Inc. #100

SPIE Corporate Member

6367 Dean Pkwy, Ontario, NY, 14519-8939 United States
+1 877 396 7846; fax +1 585 265 1033
sales@optimaxsi.com; http://www.optimaxsi.com

Featured Product: Cost Tolerancing: this interactive tool shows the major variables that affect the cost of optics.

Optimax grinds and polishes optical materials to make aspheres, cylinders, spheres, and prisms to customer specifications. We specialize in small lot sizes with diameters up to 300mm. With more than 100 opticians, CNC machining, in-house coating capabilities, and our newly completed 20,000 square-foot expansion, Optimax can deliver prototype optics in 1 week! Contact: Rick Plympton, CEO, sales@optimaxsi.com

OPTIS EUROPE SAS #101

176 Av. Joseph Louis Lambot 83130 La Garde France
+33 494 087 717; fax +33 494 086 694
www.optis-world.com

Radiant Zemax #200

SPIE Corporate Member

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+44 1279 810911; fax +44 1279 810912
eusales@radiantzemax.com; http://www.radiantzemax.com

Featured Product: Zemax: Optical Design Software

Radiant Zemax Europe is the regional supplier of the Zemax optical design software. Zemax offers power, speed, flexibility, ease of use and value in one comprehensive program. You can perform lighting and illumination system design, stray light analysis, classical lens design and also laser beam propagation. Radiant Zemax Europe offers expert technical support on the use of the software and a range of Zemax and other optical engineering training courses. Contact: Chris Normashire, Zemax Analyst, chris.normanshire@radiantzemax.com; Neil Barrett, Managing Director, neil.barrett@radiantzemax.com

Radiantis #404

Carrer Copèrnic 2-4 nave 1, Polígon Camí Ral Gavà Barcelona, 09960 Spain
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SECPhO #305

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info@secpho.org; http://www.secpho.org

The optics industry in Spain pooled together to create the Southern European Cluster in Photonics and Optics – SECPhO, founded in April 2009, with the mission to help the sector increase competitiveness, specially through collaboration. From 10 founding members, SECPhO now incorporates over 55 members, from all over Spain and Portugal, representing Large Enterprises, SMEs and Research Centers involved in optics and photonics.

Sensofar-Tech, S.L. #300

Crta BV1274 Km 1, Parc Audiovisual de Catalunya, Terrassa Barcelona, 08227 Spain
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SENSOFAR is a leading-edge technology company operating at the highest quality standards within the field of non contact surface metrology. We provide high-accuracy optical profilers based on interferometry and confocal techniques. From standard setups for R&D and quality inspection laboratories, to complete non contact metrology solutions for online production processes, Sensofar is offering a technology enabling our customers to achieve the most challenging breakthroughs, particularly in semiconductor, precision optics, data storage, display devices, thick and thin films and material testing technologies, in more than 25 countries.

SMETHODS/Technische Univ. Delft #102

Lorentzeg 1, Faculteit Technische Natuurwetenschappen, Delft, Netherlands

TRIOPTICS GmbH #202

SPIE Corporate Member

Hafenstrasse 35-39, Wedel, 22880 Germany
+49 4103 18006 0; fax +49 4103 180062 0
info@trioptics.com; http://www.trioptics.com

Featured Product: Measuring Lens Centering, Air Spacing, and Center Thickness inside of Assembled IR Optical Systems

ImageMaster® complete characterization of lenses. OptiCentric® automatic alignment, cementing, bonding, assembly. OptiSpheric® integrated optical testing. WaveMaster® wavefront analysis of spherical & aspherical lenses. TriAngle® autocollimator for angle,wedge & straightness. PrismMaster® accurate automatic goniometer featuring ultra-accurate angle measurements SpectroMaster® measurement of refractive index from UV to IR. µPhase® Interferometer measures the quality of spherical,aspherical & flat optic.

Managed by SPIE Europe

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 optics and photonics technologies.

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