



FACTSHEET



19th International Congress on Photonics in Europe

Collocated with LASER World of PHOTONICS 2009

WORLD OF PHOTONICS CONGRESS

The World of Photonics Congress is the leading technical congress for optical technologies in Europe and is ranked in the top 3 worldwide.

It is held in conjunction with **LASER World of PHOTONICS**, the international trade fair for optical technologies including components, systems and applications, so there is an intense exchange between the scientific and industrial sectors. Themes are selected and discussed based on their scientific relevance and industrial impact.

The World of Photonics Congress is a unique event that covers the photonics sector in its entirety. Topics range from the latest findings in research and development to optics, biophotonics and medical applications, measuring technology, industrial image processing and the use of lasers in manufacturing.

“**LASER. World of PHOTONICS 2007** profits considerably from the conferences held in conjunction with the fair. It promoted the timely transfer of know-how between various disciplines and attracted a highly qualified audience of experts to the fair.” PCO AG, Dr.-Ing. Gerhard Holst, Science & Research





The **World of Photonics Congress** is organized by Munich International Trade Fairs. It is a strategic and operative umbrella for the various individual conferences that are held by leading scientific and industrial associations and societies, including the following:

- **CLEO Europe / EQEC, Conference on Lasers and Electro-Optics Europe and European Quantum Electronics Conference** (organized by the European Physical Society (EPS))
- **Frontiers in Electronic Imaging, Manufacturing of Optical Components** (organized by the European Optical Society (EOS))
- **Lasers in Manufacturing (LiM 2009)** (organized by the German Scientific Laser Society (WLT))
- **European Conferences on Biomedical Optics (ECBO 2009)** (organized by the Optical Society of America (OSA) and by SPIE - the International Society of Optical Engineering)
- **Optical Metrology** (organized by SPIE Europe - the International Society of Optical Engineering)
- **Medical Laser Applications** (organized by the German Society for Laser Medicine (DGLM))

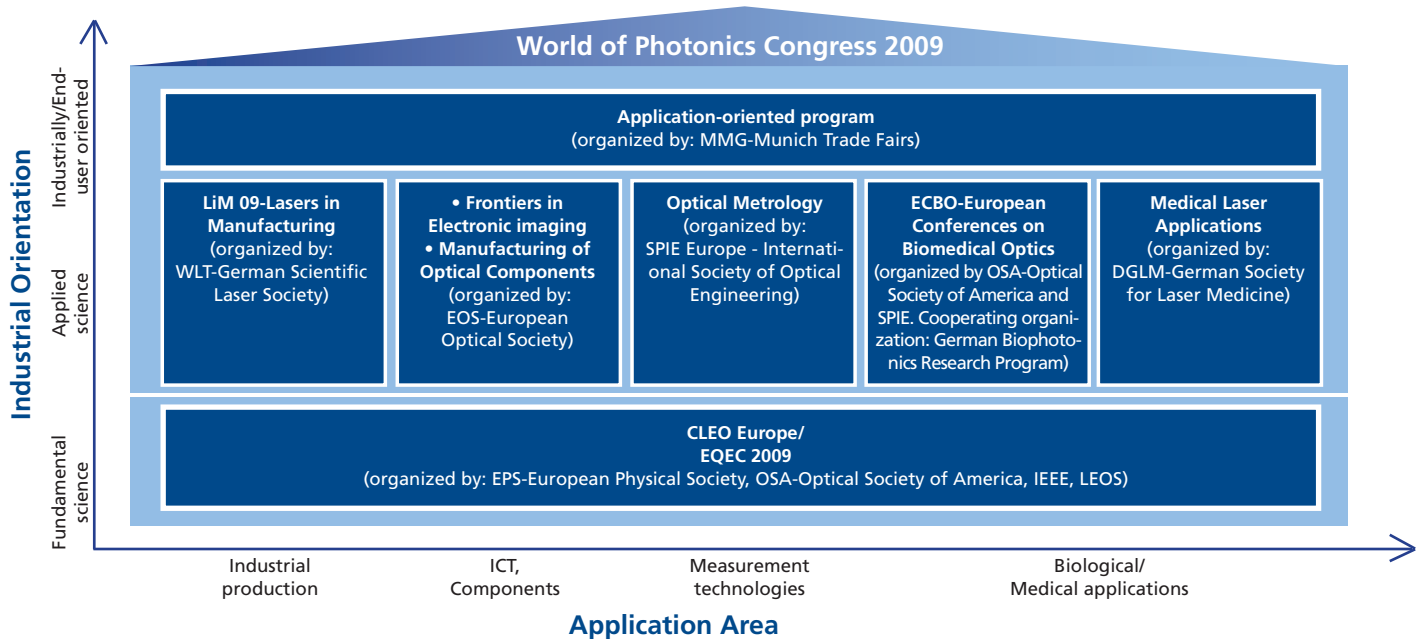
Thanks to our comprehensive range of related events including an application-oriented program, the congress is also ideal for production engineers and sales personnel. The German Ministry of Education and Research (BMBF) has supported the ongoing development of the congress since 2004.



WORLD OF PHOTONICS CONGRESS: STRUCTURE

VARIOUS TOPICAL CONFERENCES IN ONE CONGRESS

The **World of Photonics Congress** consists of various autonomous conferences. As the leading congress for optical technologies in Europe, it also features integrated application-oriented and other special events.



PROFILE OF TOPICAL CONFERENCES

CLEO EUROPE / EQEC 2009

CLEO®/Europe-EQEC has a long tradition of reflecting European strengths in both pure and applied research in optics and photonics. CLEO®/Europe emphasizes applied physics, optical engineering and applications of photonics and laser technology in fields including ultra-fast science, source development, fiber optics, nonlinear optics, high-field physics, optical telecommunications, optical materials etc. EQEC, on the other hand, emphasizes more basic research in laser physics, nonlinear optics and quantum and atom optics. This combination creates a unique forum where participants can obtain informative overviews and discuss recent advances on a wide range of topics, from fundamental light-matter interaction and new sources of coherent light to technology development, system engineering and photonic applications. CLEO®/Europe-EQEC targets university and industry scientists and researchers as well as students and graduates.

Topics: Lasers, optical materials and innovative photonic applications, light-wave Technology, Sensing, Fibre Optics, Nonlinear, Ultrafast and High Field Optics, Quantum and Atom Optics, Nanophotonics and Integrated Optics

LASERS IN MANUFACTURING

Lasers in Manufacturing (LiM) 2009 is a scientific conference that focuses on laser applications in materials processing. Organized by the German Scientific Laser Society (WLT), it covers everything from micro- and nano-structuring to high-performance laser applications in materials processing. LiM 2009 addresses users who want a complete overview of process developments as well as those who are integrating innovative processes for laser materials processing into their production operations and want to learn more about the possibilities. The thing that makes LiM 2009 so outstanding is that it brings together researchers, developers and users.

Topics: Laser-based materials processing, system engineering, process engineering, laser-based micro-processing, nano-structuring

OPTICAL METROLOGY

The Optical Metrology conference organized by SPIE Europe focuses on the latest research addressing optical metrology methods and their application for solving measurement problems in industrial design and production engineering as well as dealing with modeling aspects in Optical Metrology in a separate section. In a further sub-conference, participants will learn about recent advances in the use of optical technologies to preserve our shared cultural heritage. Optical Metrology addresses attendees like engineers, scientists, researchers, and managers.

Topics: Metrology in Industrial Design and Engineering, Modelling Aspects of Metrology, Metrology Instruments and Systems, Novel Technologies for documentation, study and preservation of works of art, archaeological sites, historical buildings and other artefacts.

FRONTIERS IN ELECTRONIC IMAGING AND MANUFACTURING OPTICAL COMPONENTS

Organized by the European Optical Society, this series of conferences on various themes features outstanding platforms for obtaining and discussing recent research findings in the fields of electronic imaging and optical component manufacturing. The EOS conferences address both the industrial and academic research sectors and bring together scientists, engineers and professionals. Each event offers different sub-conferences such as single-photon imaging, new materials for electronic imaging, micro-optics and structured surface technologies, precise optics fabrication and many others.

Topics: Electronic imaging, optical components manufacturing

EUROPEAN CONFERENCES ON BIOMEDICAL OPTICS (ECBO)

Sponsored by OSA and SPIE, the European Conferences on Biomedical Optics (ECBO) bring together scientists, engineers and clinicians who work with optics and photonics to solve problems in medicine and biomedicine. Basic science as well as application oriented presentations over the course of 5 days will cover topics such as advanced microscopy techniques, clinical and biomedical spectroscopy, diffuse optical imaging, molecular imaging, novel optical instrumentation for biomedical applications, optical coherence tomography and coherence techniques, therapeutic laser applications and laser-tissue interactions. ECBO 2009 will incorporate contributions from the German Biophotonics Research Program, primarily in the Clinical and Biomedical Spectroscopy Conference and Advanced Microscopy Techniques Imaging Conference.

Topics: Biomedical optics, biophotonics , biomedical imaging, diagnostics, therapeutics

MEDICAL LASER APPLICATIONS

Medical Laser Applications 2009 is organized by the German Society for Laser Medicine (DGLM) and is the leading scientific conference for laser applications in medicine in the German-speaking region. On UPDATE Day, the entire range of laser applications in the various medical specialty fields will be examined from diagnostic and therapeutic points of view. SCIENCE Day focuses on presentations about basic research. Medical Laser Applications 2009, which is clinically oriented, addresses both experienced clinical users and other ambitious visitors who are interested in gaining a profound overview of the latest studies and applications as well as researchers, students, graduates, graduate candidates, developers and industry professionals who want to gather information about and discuss innovative ideas and recent developments in experimental laser medicine (from in-vitro to in-vivo studies, clinical trials, technical progress). The objective is to create a forum for future contacts that effectively combines the experience that competent users and developers have acquired in established medical applications with that of young professionals, especially within the scope of education.

Topics: Lasers in medicine, optical diagnostic, high-end endoscopy, minimally invasive surgery, medical laser technologies

WORLD OF PHOTONICS CONGRESS 2007 IN NUMBERS

3,100 ATTENDEES

8

Origin of attendees

3,100 attendees from 38 countries,
70 % international share

Germany	26 %
Europe	51 %
North America	6 %
South / Central America	1 %
Africa	1 %
Asia	10 %
Australia / Oceania	2 %

Field of activity

University, technical college	60 %
Non-universitary research establishment	15 %
Industry	16 %
Service	3 %
Other	6 %

90 % of attendees intend to
participate again

Primary position

Independent contractor, partner, freelancer	3 %
Chief executive / senior official	9 %
Other employee / civil servant	9 %
Skilled worker	5 %
Teacher / lecturer / member of academic staff	45 %
Pupil / student	21 %

WORLD OF PHOTONICS CONGRESS 2007 IN NUMBERS

OVER 2,300 LECTURES, PRESENTATIONS AND POSTERS

Rating among attendees

Rating with regard to	Good to excellent
Completeness of congress events	94 %
Topicality of lectures / posters	91 %
Exhibition themes reflected in lectures	85 %

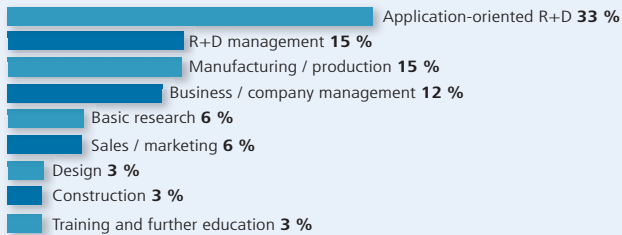
Rating among speakers

Rating with regard to	
Speaker supervision	97 %
Overall organization of lectures by the organizer	95 %

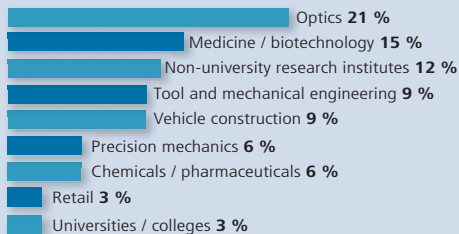


APPLICATION-ORIENTED EVENTS 2007

WORKSHOP ATTENDEES: AREA OF RESPONSIBILITY



WORKSHOP ATTENDEES: SECTOR/BRANCH OF INDUSTRY



Workshops Rating among attendees:

Rating with regard to	Good to excellent
Content	85 %
Moderation	97 %
Speakers	97 %



„The Advanced Solid State Lasers workshop was a complete success. We tried to make the workshop less scientific, which was very well received among industry representatives.“ Fraunhofer Institute for Applied Optics and Precision Engineering Prof. Andreas Tünnermann, Director

APPLICATION-ORIENTED EVENTS 2009

World of Photonics Congress 2009 will again feature a program with application-oriented content that bridges the gap between theory and practice. The application-oriented program will take place at the forums in the exhibition halls.

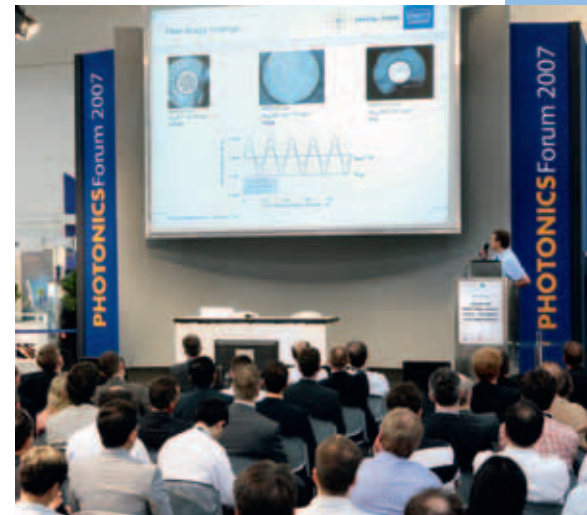
THE MOST IMPORTANT ADVANTAGES AT A GLANCE:

- Application-oriented presentations and subsequent discussions with industry experts
- Sound practical knowledge and new impetus for your company
- All featured applications and systems are presented alongside one another at the fair

THE APPLICATION-ORIENTED PROGRAM WILL COVER THE FOLLOWING TOPICS:

- Photovoltaics
- Biophotonics
- Sustainable illumination concepts
- Novel developments in solid state laser technology
- Optical components and material for high-power lasers
- Short-pulse lasers in commercial applications
- Use of high-brilliance beam sources
- Rapid Manufacturing

Additional information about the application-oriented program of **World of Photonics Congress** is available at www.photonics-congress.com



YOUR CHANCE TO PRESENT YOURSELF AT THE WORLD OF PHOTONICS CONGRESS

WHY BECOME A SPEAKER AT THE WORLD OF PHOTONICS CONGRESS

Participating as a speaker in the **World of Photonics Congress** is a unique opportunity to present your findings to a highly qualified audience of professionals from the international photonics community at Europe's renowned, number one congress. The feedback that you receive in ensuing discussions with congress attendees and industry representatives will serve as inspiration as you continue your work. Presenting and networking at related events is an effective way to reach new partners and clients.

HOW TO BECOME A SPEAKER AT WORLD OF PHOTONICS CONGRESS

The **World of Photonics Congress** consists of a variety of independent conferences. Take a look at the various Calls for Papers to decide which conference best suits your topic and submit your abstract to the respective organizing scientific society.

The Calls for Papers for the **World of Photonics Congress** and corresponding submission deadlines for abstracts are available at www.photonics-congress.com/call-for-papers.

„The congress is very important to us. We live from the congress. 50 % of all inquiries came from the scientific sector.“ Toptica Photonics, Dr. rer. nat. Thomas Renner, Director, Sales and Marketing

IT WORKS LIKE THIS

Once your paper is accepted, our special speaker service allows you to submit and edit your presentation prior to and during the fair. The organizing society and Munich International Trade Fairs will announce your presentation in various relevant publications.

All **World of Photonics Congress** speakers enjoy free admission to **LASER World of PHOTONICS** during all four days of the fair, so they can take full advantage of exchanging information with scientific and industry experts.



VISITOR SERVICES

REGISTRATION

Save time by registering online for the **World of Photonics Congress** at any of the organizers' homepages, which can be accessed via www.photonics-congress.com/registration. The registration fee includes admission to the entire program of conference events at the **World of Photonics Congress 2009** and to the exhibition.

ONLINE DATABASE

The entire program of events at the **World of Photonics Congress** will be available online at www.photonics-congress.com/lectures several weeks before the congress begins. The database features versatile search functions and can help you to compile a personal congress schedule that you can transfer to your PDA. It also features information about all lectures and poster shows on specific topics and about the companies with exhibits at the fair.

TRADE SHOW TICKET

The world's leading trade show **LASER World of PHOTONICS 2009** is being held in conjunction with the **World of Photonics Congress** from June 15 - 18, 2009. Registration for the **World of Photonics Congress** includes admission to the trade fair.



POSTER EXHIBITION

There will also be several poster shows during the **World of Photonics Congress**. Different poster sessions will be presented by the various conferences on each day of the fair.

E-POSTER TERMINAL

Due to the large number of posters on display at the **World of Photonics Congress**, each day's poster shows have different themes. However, all posters will be available electronically at the e-Poster Terminal (in the Internet Area at the congress center), where they may also be printed out.

W-LAN LOUNGE AND INTERNET AREA

All congress participants have free access to the Internet in the Internet Area or using their own laptops in the W-LAN Lounge.

NETWORKING EVENTS

Benefit from all the new contacts that you can make at this year's Congress networking events such as the Opening Reception and Happy Hour.



ORGANIZER AND CONTACTS

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