24th World’s Leading Trade Fair with Congress for Photonics Components, Systems and Applications

June 24–27, 2019, Messe München

Connecting Global Competence
LASER World of PHOTONICS offers a unique combination of research, technology and applications. It is the industry’s leading technology platform, presenting the most important innovations and trends to all industry key players. LASER World of PHOTONICS is the only trade fair in the world to cover the entire value chain of photonics.

EXHIBITORS SHOWCASING PRODUCTS IN THE OPTICS AND MANUFACTURING TECHNOLOGY FOR OPTICS SECTOR (excerpt)
- Berliner Glas KGaA Herbert Kubatz
- Edmund Optics GmbH
- Laseroptik GmbH
- LAYE Tec-Optische Beschichtungen GmbH
- Meopta-optika, s.r.o.
- OptecNet Deutschland e.V.
- Qioptiq Photonics GmbH & Co. KG
- SCHOTT AG
- Shvabe-Media, LLC
- Swarovski Optik KG

FOCAL POINTS OF THE TRADE FAIR
Manufacturing Technology for Optics
- Manufacturing equipment for optics
- Manufacturing processes for optics
- Manufacturing materials for optics
- Optical coating materials
- Manufacturing technology for optics (others)
- Adhesives for optics

Optics
- Raw materials
- Crystals
- Processed components
- Optical lenses
- Diffractive optics
- Optical transmission components
- Other optical components
- Design software for passive optical components

2017 OPTICS AND MANUFACTURING TECHNOLOGY FOR OPTICS SECTOR FIGURES
- A total of 1,290 exhibitors, incl. more than 700 exhibiting companies from the Optics and Manufacturing Technology for Optics sector from 34 countries
- 64% share of international exhibitors

LASER World of PHOTONICS is a very valuable event for us. We have signed some good contracts for our customer-specific optical solutions manufactured in the Czech Republic and met some interesting and important business partners. This is the single most important industry event in Europe as all large companies from the industry are represented.

Jaroslava Nemcova, Head of Marketing, Meopta-optika, s.r.o., Prerov, Czech Republic
The supporting program of the world’s leading photonics trade fair distinguishes itself through its consistent practice orientation and received 96% positive visitor ratings in 2017. A perfect example are the lectures on lasers and optics by acclaimed speakers from industry and research, presenting the status quo and new potential applications.

Almost 400 participants attended to get informed about the further development of optical products and the required manufacturing know how as an important driving force behind innovation and the photonics applications of tomorrow. 95% of the audience was thrilled about the application-oriented focus.

HOW VISITORS RATED THE LECTURE PROGRAM

Visitors at LASER World of PHOTONICS 2017 gave the forum’s lectures a rating of good to excellent:
- 97% Content quality
- 95% Application orientation

APPLICATION PANELS

In 2017, these presentations saw some 1,500 attendees learning about the latest industrial applications, challenges and solution approaches in photonics.

Topic highlights in 2017: Laser and optics
- Diode-Pumped Solid State Lasers and Fiber Lasers for CW (and Long-Pulse) Operation as well as Beam Guidance
- High-Power Diode Lasers: Highly Efficient Beam Sources for Pump Applications and Direct Processing
- Pico- and Femtosecond Lasers and Beam Guidance
As the industry’s leading scientific platform, the World of Photonics Congress offers extensive insights into the world of photonics while acting as an interface between theory and practice. For 64% of all exhibitors at the fair, congress participants are an important target group, and 46% stated that they mainly want to address visitors from colleges and universities with their exhibit.

**FACTS & FIGURES**

**WORLD OF PHOTONICS CONGRESS 2017**

- Approx. 4,100 participants
- More than 3,000 lectures and poster sessions
- 98% positive visitor ratings

**CONGRESS FOCAL POINT: OPTICS AND MANUFACTURING TECHNOLOGY FOR OPTICS**

The World of Photonics Congress features several conferences that deal with optics and manufacturing technology for optics. Application oriented: EOS Optical Technologies/Manufacturing of Optical Systems/Opto-fluidics and Light Engineering.

Basic research: CLEO®/Europe-EQEC

**TOPIC HIGHLIGHTS IN 2017** (excerpt)

- Optical Materials, Fabrication and Characterization
- Micro- and Nano-Photonics
- Manufacturing of Optical Systems
- High-Precision Measurement of Optical Components and Systems
- Manufacturing of Optical Microsystems
Out of 32,700 visiting professionals in total, more than 20,000 also visited the Optics sector and more than 10,000 visited the Manufacturing Technology for Optics sector. 99% gave the Optics sector an excellent or good rating while the Manufacturing Technology for Optics sector received similar ratings at 97%.

**WHERE OUR VISITORS USE OPTICS AND MANUFACTURING TECHNOLOGY FOR OPTICS**

Besides the widespread use of optics and manufacturing technology for optics in science and research (69%), visitors of LASER World of PHOTONICS predominantly use optics and manufacturing technology for optics in the following branches of industry:

<table>
<thead>
<tr>
<th>Branch of Industry</th>
<th>Installation Percentage</th>
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<tbody>
<tr>
<td>Material processing</td>
<td>56%</td>
</tr>
<tr>
<td>Optics manufacturing</td>
<td>45%</td>
</tr>
<tr>
<td>Sensor and measuring technology</td>
<td>44%</td>
</tr>
<tr>
<td>Medical and biophotonics applications</td>
<td>29%</td>
</tr>
<tr>
<td>Industrial image processing</td>
<td>19%</td>
</tr>
<tr>
<td>Process control and quality inspection</td>
<td>18%</td>
</tr>
<tr>
<td>Safety and defense technology</td>
<td>17%</td>
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<tr>
<td>Lighting</td>
<td>15%</td>
</tr>
<tr>
<td>Communication technology</td>
<td>11%</td>
</tr>
<tr>
<td>Environment and nutrition</td>
<td>5%</td>
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</tbody>
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**VISITORS BY BRANCHES OF INDUSTRY**

- Automotive
- Aviation and aeronautics
- Chemistry, Pharmacy, Medicine and Biotechnology
- Electrical engineering, Electronics and Semiconductors
- Environmental testing and monitoring
- Information technology and telecommunications
- Precision mechanics
- Security
- Tool and machine manufacturing
- Traffic and transportation

**VISITORS MAIN AREAS OF RESPONSIBILITY**

- Business executives
- Research and development management
- Basic research
- Application-oriented research and development
- Manufacturing and production
- Design
- Engineering
- Information and communications technology
- Sales and distribution
- Purchasing and procurement
- Marketing and distribution

**VISITOR ORIGIN**

- Germany: 42%
- Abroad: 38%
- Australia: 24%
- Asia: 25%
- Europe: 65%
- America: 15%

**TOP 10 VISITOR COUNTRIES**

France, Great Britain and Northern Ireland, Japan, Switzerland, Italy, USA, China, Russian Federation, Austria, Spain

* Basis: all visitors from abroad
** Multiple responses possible
WELCOME TO THE WORLD’S LEADING TRADE FAIR

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