THE LEADING LIGHT IMAGING

JUNE 24–27, 2019, MESSE MÜNCHEN
24th World’s Leading Trade Fair with Congress for Photonics Components, Systems and Applications

world-of-photonics.com
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 IMAGING PRODUCTS  
- Acal BFi Germany GmbH
- Berliner Glas KGaA Herbert Kubatz GmbH & Co.
- Edmund Optics
- FRAMOS GmbH
- Fraunhofer-Institut für Angewandte Optik und Feinmechanik IOF
- Laser 2000 GmbH
- PCO AG
- Qioptiq Photonics GmbH & Co. KG
- STEMMER IMAGING GmbH
- SVS-VISTEK GmbH
- Thorlabs GmbH

2017 IMAGING SECTOR FIGURES  
- A total of 1,290 exhibitors, including 233 exhibiting imaging sector companies from 23 countries
- 56% share of international exhibitors

EXHIBITOR PROFILE (excerpt)  
- Components
- Applications
- Software and systems
- Measuring
- Recognition
- Inspection

Lasers play an important role in Stemmer Imaging’s extensive product portfolio. Over the course of the trade fair, we received many inquiries regarding specific imaging challenges from visiting professionals and attendees of the congress.

Armin Herweg, Machine Vision Sales Engineer, Stemmer Imaging, Puchheim
The supporting program of the world’s leading photonics trade fair distinguishes itself through its consistent application orientation and received 96% positive visitor ratings. In focus: Photonics 4.0 in the imaging sector with a dedicated exhibition area and accompanying events.

**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: Optical Metrology and Imaging**

- Industrial Applications of Terahertz Spectroscopy, Imaging and Metrology
- Future Quantum Sensors in Optical Metrology
- Freeform Measurement Techniques

**JOINT EXHIBITION STAND “MACHINE VISION PAVILION”**

The “Machine Vision Pavilion” is a special highlight in the Imaging exhibition sector. Whether it comes to systems or innovative supplier solutions: The centrally located joint exhibition stand in Hall A2 is an ideal presentation alternative for your products and applications in the field of industrial image processing. Among other things, it is a concentrated gathering of the target group for production engineering.

Participation includes:
- Stand space
- Stand setup
- Furnishings
- Electrical connection incl. consumption
- Stand cleaning
- Security

Image processing will be the focus of special attention at the trade fair. There will be practice-oriented lecture series as well as a separate exhibition sector on image processing and the “Machine Vision Pavilion.”
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: DIGITAL OPTICAL TECHNOLOGIES AND OPTICAL METROLOGY

Users and scientists come together at the Optical Metrology Conference, which is organized by SPIE Europe, to discuss the latest findings and applications in the imaging sector. Optical processes and systems for metrology, videometry and industrial image processing are the main focal points of this event.

The Digital Optical Technologies conference had its premiere in 2017. It addresses current optical technology trends such as 3D sensors, immersive multimedia, innovative displays, light sources and imaging systems.

Almost 650 participants attended the lectures of these two conferences in 2017.

TOPIC HIGHLIGHTS IN 2017 (excerpt)

Digital Optical Technologies
- Novel Optics for Augmented, Mixed and Virtual Reality Systems
- Computational Optics for Imaging and Sensing
- Integrated Digital Photonics

Optical Metrology
- Optical Measurement Systems for Industrial Inspection
- Automated Visual Inspection and Machine Vision
Out of 32,700 visiting professionals in total, 9,100 also visited the imaging sector.
98% gave the imaging sector an excellent or good rating.

VISITORS MAIN AREAS OF RESPONSIBILITY (excerpt)
- 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 sales

VISITORS BY BRANCHES OF INDUSTRY (excerpt)
- 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

WHERE OUR VISITORS USE IMAGING**
Besides the widespread use of imaging in science and research (46%), visitors of LASER World of PHOTONICS predominantly use imaging in the following branches of industry:

<table>
<thead>
<tr>
<th>Branch of Industry</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor and measuring technology</td>
<td>27%</td>
</tr>
<tr>
<td>Medical and biophotonics applications</td>
<td>20%</td>
</tr>
<tr>
<td>Material processing</td>
<td>19%</td>
</tr>
<tr>
<td>Optics manufacturing</td>
<td>16%</td>
</tr>
<tr>
<td>Machine vision</td>
<td>16%</td>
</tr>
<tr>
<td>Lighting</td>
<td>12%</td>
</tr>
<tr>
<td>Process control and quality inspection</td>
<td>12%</td>
</tr>
<tr>
<td>Safety and defense technology</td>
<td>9%</td>
</tr>
<tr>
<td>Communication technology</td>
<td>5%</td>
</tr>
<tr>
<td>Environment and nutrition</td>
<td>2%</td>
</tr>
</tbody>
</table>

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