

23. Weltleitmesse und Kongress  
für Komponenten, Systeme und Anwendungen der Photonik  
26.–29. Juni 2017, Messe München

23rd International Trade Fair and Congress  
for Photonics Components, Systems and Applications  
June 26–29, 2017, Messe München, Germany

world-of-photonics.com



Munich, October 4, 2016

## Press Release

### LASER World of PHOTONICS 2017

### Home to the future of technology

The world's leading trade fair [LASER World of PHOTONICS](#), from June 26 to 29, 2017 in Munich is setting new records: more than 1,250 exhibitors are anticipated, occupying 55,000 square meters of exhibition space to present visitors from around the world their ideas for the future of optical technologies. Right next door, leading researchers and industrial practitioners will be meeting for a technical dialog at the [World of Photonics Congress](#) 2017, one of the biggest trade congresses in the world of photonics.

It is considered to be a key industry for the 21st-century. Photonics paves the way for modern communication as it does for medical progress. It allows machines to feel and robots to see. It affords astronomers the most profound insights into the origins of the universe and provides biologists with live images from within living cells. Photonics has now become a driver of progress in all areas of human life. Light possesses unimagined leverage – that is far from having been exhausted.

Dr. Reinhard Pfeiffer, Deputy CEO, Messe München GmbH:  
“[LASER World of PHOTONICS](#) 2017 will showcase a wealth of optical technology innovations and enhancements. Whether we are talking about components, systems or applications: Munich is the meeting place for the most important players from the worlds of industry and research and the user industries. The combination of trade fair and congress is a magnet for ever more

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trade visitors and decision-makers from around the world who find solutions here for their scientific and industrial questions.”

### **Photonics industry on course for growth**

According to market forecasts, the photonics industry will increase its global sales in this current decade from 350 billion to 615 billion euros. What is driving this is the increasing need for sensors, imaging systems and highly accurate laser systems in the networked, largely automated production processes of Industry 4.0. The development of (partially) autonomous vehicles and rising traffic safety levels also presupposes the massive use of environmental sensors and ever more intelligent light. The latter is only one of the growth drivers in the lighting industry, in which LED and OLED technology will tap further potential. Only two examples among dozens that are lending photonics global momentum.

### **Trade fair highlights 2017: Photonics 4.0 and additive manufacturing**

With its focus on [sensors](#), [laser material processing](#), [imaging](#) and additive manufacturing [LASER World of PHOTONICS 2017](#) is targeting dynamic growth areas in which optical technologies provide a clear boost to productivity and process reliability. Together with cameras, which themselves detect the most minute defects in high-speed processes, the flexible, precisely controllable tool that is light, together with contactless optical measuring technology, underpins self-correcting production processes in Industry 4.0. Here too, photonics is the enabler.

The [LASER World of PHOTONICS 2017](#) spotlight will also be on additive manufacturing. Expert [Prof. Claus Emmelmann, CEO of](#)

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[LZN Laser Zentrum Nord GmbH](#), anticipates a new market for lasers worth billions. According to forecasts, the additive manufacturing market will grow to 100 billion euros within 10 years, one third of which will be accounted for by plant and equipment.

The [Bio-photonics](#) is yet another trade fair highlight: ultrahigh resolution imaging, ever more accurate spectroscopy and laser systems are enabling doctors, biologists and chemists, but also pharmaceuticals and materials researchers as well, systematically to advance the boundaries of knowledge. Patients benefit in the form of improved diagnostics, therapies and less invasive operating procedures, in which surgeons work with lasers instead of scalpels and look deep into organs or blood vessels, without having to open the body in the process. Ophthalmology is also making rapid progress thanks to lasers.

After the successful premiere of STARTUP World in 2015, [LASER World of PHOTONICS](#) 2017 will once again provide a communication platform for young entrepreneurs. The world's leading trade fair will therefore be a meeting place for the most important companies in the photonics industry, from start-ups to the key players.

### **World of Photonics Congress 2017**

Many a technology, now in use, was initially unveiled and discussed at [World of Photonics Congress](#), which takes place in parallel with the trade fair in the ICM – International Congress Center Munich. June 2017 will again see the scientific elite of the photonics world converging on Munich. Five conferences will be taking place.

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- [CLEO®/Europe-EQEC 2017](#) - Conference on Lasers and Electro-Optics/Europe and the European Quantum Electronics Conference
- [Lasers in Manufacturing – LiM 2017](#), with a sub-conference on additive manufacturing
- [EOS Conferences on Optical Technologies](#)
- [Optical Metrology 2017](#)
- [ECBO 2017 – European Conferences on Biomedical Optics](#)

The keynote address of [World of Photonics Congress 2017](#) will be delivered by **Prof. Dr. Jörg Wrachtrup**, a multiple award-winning quantum physicist. **Prof. David Payne**, Director of the Optoelectronics Research Centre at the University of Southampton, **Ferenc Krausz**, Managing Director at the Max-Planck-Institute of Quantum Optics in Garching and **Prof. Paul Andrew Hilton**, The Welding Institute TWI Ltd and the Chairman of the Executive Board of the European Laser Institute will also be on the program.

#### [Application Panels](#) – Added value for visitors

The practical lectures in the exhibition halls will again add value for trade fair visitors. The topics: **Industrial Laser Applications, Optical Metrology and Imaging, Biophotonics and Medical Applications, Lasers and Optics.**

This and other press releases: [here](#)

Photos LASER World of PHOTONICS: [here](#)

Photos World of Photonics Congress: [here](#)

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**About LASER World of PHOTONICS**

The [LASER World of PHOTONICS](#) is the world's leading get-together of the laser and photonics industry. Europe's largest [World of Photonics Congress](#) will be taking place in parallel with the trade fair. The program comprises five scientific conferences of leading global organizations. Supplementing this [Messe München GmbH](#) will be offering practical lectures on the applications of photonics ("Application Panels"). The combination of trade fair and congress brings together research and application, thereby promoting the use and continued development of optical technologies. In 2015 the trade fair set an exhibitor record with 1,227 exhibitors from 42 countries. A total of 31,279 trade visitors from 72 countries entered the Messe München site.

In 2015 the World of Photonics Congress registered 3,900 participants with an offering of more than 2,700 lectures and presentations including poster presentations.

The LASER World of PHOTONICS has been organized every two years by Messe München International since 1973; the next event will take place in Munich from 26-29 June 2017, the next World of Photonics Congress will take place in parallel from 26-29 June 2017 in the ICM - International Congress Center Munich.

**About the LASER World of PHOTONICS global network**

The LASER World of PHOTONICS has developed an international network. The [LASER World of PHOTONICS CHINA](#) and the [LASER World of PHOTONICS INDIA](#) are leading regional trade fairs for optical technologies and are staged annually in China (Shanghai) or in India (alternating between Mumbai, Bangalore, New Delhi).

**Messe München**

Messe München is one of the world's leading trade-show companies. It organizes some 40 trade shows for capital and consumer goods and key high-tech industries in Munich alone. 14 of those events are number 1 in the world in their respective industries. Each year more than 30,000 exhibitors and some two million visitors take part in events held at the Messe München trade-fair center, the ICM – Internationales Congress Center München and the MOC Veranstaltungszentrum München. In addition, Messe München organizes trade shows in China, India, Turkey and South Africa. Messe München has a global business presence with affiliates in Europe, Asia and Africa and more than 60 foreign representatives serving more than 100 countries.

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