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## **Press Release**

### **The leading photonics event in Asia PHOTONICS CONGRESS CHINA 2018**

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**The PHOTONICS CONGRESS CHINA covers the entire industry and focuses on the latest findings and developments in laser processing, advanced lasers, optics, IR imaging, laser safety, beam analysis and optical fiber lasers. The PHOTONICS CONGRESS CHINA 2017 went down very well on account of its excellent quality and international participation. A total of 2,771 delegates attended the Congress in 2017.**

The PHOTONICS CONGRESS CHINA consists of a series of conferences, including the 13th International Laser Processing and Systems Conference (LPC 2018), the Chinese Laser Market Summit 2018, the 13th National Conference on Laser Technology and Optoelectronics (LTO 2018) the Optical Made in China 2025 Forum, the Workshop on Safety of Industrial Lasers and Systems Use, and Fiber Laser Training. The China (Shanghai 2018) Machine Vision Technology & Application Conference and the Infrared Thermal Imaging Conference will be held at the same time. The programs link scientific research, industrial development and applications, and offer practical value to scientific findings.

## **Details of the Program**

### **13th International Laser Processing and Systems Conference ( LPC2018 )**

**Date: March 14-15, 2018**

**Venue: Room W2-M3&W2-M9, 6th Floor, Jumeirah Himalayas Hotel;  
Shanghai New International Expo Center**

The LPC opens together with LASER World of PHOTONICS CHINA every year.

It is now the most authoritative academic event for laser technology and applications in Asia. This year, the LPC 2018 will reflect market trends with topics such as ultrafast laser technology and applications, 3D printing and

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**Press Release** | March 2, 2018 | 2/2

surface modification, new laser technology and systems and their application, laser monitoring system technology for welding, cutting and machining, micro-nano technology and processing, new lasers, beam sources and laser process simulation and modeling. For example, Prof. Dr. Reinhart Poprawe, Director of the Fraunhofer Institute for Laser Technology at the University of Aachen, will devote his keynote speech to Industry 4.0-based digital photonics manufacturing.

### **Chinese Laser Market Summit 2018**

**Time: March 15, 2018 13:00-17:30**

**Venue: 2F Ru Meeting Room, Jumeirah Himalayas Hotel**

Organized by the COS-LPC, the Chinese Laser Market Summit is now attracting attention from laser industry leaders worldwide. The conference programs include:

- Overview and forecast of the laser markets in China and throughout the world (2017- 2018)
- Strategy of the world's leading laser companies on the Chinese market
- International business opportunities for Chinese laser companies
- Chinese fiber laser and diode laser development and future trends
- Ultrafast laser technology, applications and markets in China
- Hot laser applications and trends

### **Optics Frontier – the 13th National Conference on Laser Technology and Optoelectronics**

**Date: March 11-14, 2018**

**Venue: Novotel Atlantis Shanghai & Shanghai New International Expo Center, Shanghai, China**

Optics Frontier - the 13th National Conference on Laser Technology and Optoelectronics is co-organized by the Chinese Laser Press (CLP) and Messe München. The topics will include the latest findings in the fields of Laser Physics & Technology, Biomedical Photonics, Quantum Optics, Machine Vision and much more besides.

**Press Release** | March 2, 2018 | 3/3

### **Optical Made in China 2025 Forum**

**Date: March 14- 15, 2018**

**Venue: RoomM10 at Hall W3, Shanghai New International Expo Center**

Optical Made in China 2025 Forum is a high-end, handpicked, simple and grounded international academic event that aims to bring together people in the fields of manufacturing, training, research and practical applications. The Forum will invite academics, chief scientists and leading scholars to report on the latest research findings in optical design and manufacturing, as well as the technological transformation taking place in the international optical community. The summit will focus on Optical Free-form Surface and Micro-structure Array Surface Manufacturing Technology, as well as industry information, market trends and application cases.

### **Workshop on Safety of Industrial Lasers and Systems Use**

**Date: March 15, 2018**

**Venue: W3-M4, Shanghai New International Expo Center**

The workshop is being co-organized by the Chinese Optical Society- Laser Processing Committee (COS-LPC) and Messe München. The safety of industrial lasers and laser systems is becoming more important. The Chinese laser industry requests all laser device manufacturers to behave responsibly and observe the national standards. The objective of this Workshop is to provide general information on the dangers of laser products, their protection and the Chinese, European and international laser safety standards with the emphasis on standard operations in R&D, manufacturing and use of laser products.

### **Fiber Laser Training**

**Date: March 15, 2018**

**Location: W2-M2 Conference Room, Shanghai New International Expo Center**

Optical fiber lasers are more widely used today. The training program will provide a general introduction to the use of fiber lasers. It is being co-organized by the China Laser Journal and Messe Muenchen, and is supported by the Software Institute, Chinese Academy of Science.

Press Release | March 2, 2018 | 4/4

## Other program highlights

### **China (Shanghai 2018) Machine Vision Technology & Application Conference**

**Date: March 14-15, 2018**

**Venue: Hall W5, Shanghai New International Expo Center**

The Conference will address the latest development and applications of machine vision and AI technologies. It is sponsored by the China Society of Image and Graphics (CSIG) and the China Machine Vision Industry Union (CMVU), and is being co-organized by the Machine Vision Industry Union of ZGC (ZGCMVU) and Messe Muenchen Shanghai Co., Ltd.

### **Infrared Thermal Imaging Conference**

**Date: March 15, 2018**

**Venue: Room M7 at hall W4, Shanghai New International Expo Center**

IR thermal imaging technology is becoming a focal point on the market. The market research institute Yole Development (Yole) predicts that, from 2016 to 2021, the volume of uncooling IR imaging products will achieve an overall annual growth rate of 15.8%. IR Imaging is used widely in security, forest fire prevention, inspection, quarantine and medical diagnosis. It is also an important technology in the change toward smart industrial manufacturing as IR imaging-assisted robots and machine vision are helping manufacturing in different fields to become more automated.

<https://www.world-of-photonics-china.com/about/supporting-program/photonics-congress-china/>

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**Press Release** | March 2, 2018 | 5/5

**LASER World of PHOTONICS CHINA**

LASER World of PHOTONICS CHINA is the leading regional trade fair for laser and photonics in Asia. It takes place in Shanghai each March and is collocated with electronica China & productronica China. In 2017 the trade fair recorded 53,723 visitors and 929 exhibitors. The next LASER World of PHOTONICS CHINA will take place from March 14 to 16, 2018. [www.world-of-photonics-china.com](http://www.world-of-photonics-china.com)

**The LASER World of PHOTONICS global network**

LASER World of PHOTONICS has developed an international trade fair network. LASER World of PHOTONICS in Munich is the world's leading trade fair of the laser and photonics industry. World of Photonics Congress is Europe's largest photonics congress. LASER World of PHOTONICS CHINA and LASER World of PHOTONICS INDIA are leading regional trade fairs for laser and optical technologies, and are staged annually in China (Shanghai) and India (alternating between Bangalore and New Delhi). With a total of 2,379 exhibitors and more than 92,931 visitors in Munich, China and India, Messe München is the world's leading trade fair organizer for lasers and photonics.

**Messe München**

Messe München is one of the leading exhibition organizers worldwide with more than 50 of its own trade shows for capital goods, consumer goods and new technologies. Every year, a total of over 50,000 exhibitors and around three million visitors take part in more than 200 events at the exhibition center in Munich, at the ICM – Internationales Congress Center München and the MOC Veranstaltungszentrum München as well as abroad. Together with its subsidiary companies, Messe München organizes trade shows in China, India, Brazil, Russia, Turkey, South Africa, Nigeria, Vietnam and Iran. With a network of associated companies in Europe, Asia, Africa and South America as well as around 70 representations abroad for over 100 countries, Messe München has a global presence.