

# 14<sup>th</sup> International Laser Processing and Systems Conference (LPC 2019)

## CALL FOR ATTENDANCE

### I. About the Conference

In order to promote the continuous innovation of laser technologies in the world, the 14<sup>th</sup> International Laser Processing and Systems Conference (LPC 2019) will be held again in Shanghai during 20 – 21 March 2019. As an important part of the PHOTONICS CONGRESS CHINA, LPC is held in parallel to the trade fair LASER WORLD OF PHOTONICS CHINA every year. It has become not only the most authoritative laser academic event in the world, but also a great platform for the cooperation with Chinese laser processing and systems industries.

In the past year, the global laser industries and laser technology researches had many new achievements, basically on the base of a broad range of applications such as laser cutting, laser welding, surface functionalization and more lately in the field of ultrafast and ultrashort lasers as well as laser additive manufacturing. Many of these processes have significant impact on high-technology development with strategic significance for the corresponding markets.

The technology development and strategic improvement of productivity rely a lot on the in-depth understanding of the processes and the increasingly emphasis on simulation and modelling is visible in the research and application developments. Therefore, in the coming LPC 2019, special emphasis is laid on new processes and new beam sources, and also on methods and results in theoretical and practical modelling and simulation of classical end recent process development.

The LPC 2019 conference aims to strengthen the laser industry and build up an international platform for the integration of production, teaching and researches. It will focus on "Exploring Laser Frontier Technology and Promoting the Development of Laser Industry". The conference will show the latest developments of the global laser industries and introduce the latest applications of laser technologies in various industries in the world.

**Date:** 20 – 21 March 2019

**Venue:** Shanghai International Expo Centre

### II .Organizing Committee

#### Organizers:

- Chinese Optical Society-Laser Processing Committee (COS-LPC)
- Messe München
- Laser Institute of America (LIA)



### General Conference Chairmen:



Prof. Youliang Wang  
Chinese Optical Society-Laser Processing  
Committee (COS-LPC), China



Prof. Reinhart Poprawe  
Fraunhofer Institute for Laser Technology  
(ILT), Germany

### Executive Conference Chairmen:



Prof. Huamin Wang  
Beihang University,  
China



Prof. Yongfeng Lu  
University of Nebraska  
Lincoln, USA



Prof. Dongdong Gu  
Nanjing University of Aeronautics  
and Astronautics (NUAA), China

### III. The Themes of the Conference

- New laser beam sources, systems and applications
- Ultrafast laser technologies and applications
- High-power laser technologies and applications
- Laser additive manufacturing and 3D printing
- Laser surface modification and functionalization
- Laser surface engineering and remanufacturing
- Laser processes and systems for materials processing (laser welding, cutting, machining, polishing, cleaning, etc.)
- Micro/nano laser technologies and processes
- Simulation and modelling of laser processes

### IV. Call for Attendance (Presentations & Papers)

- Invited Presentations: Invited Plenary Presentations and Invited Parallel-session Presentations will be determined by the General Conference Chairmen and the Executive Conference Chairmen in the Organizing Committee. Conference participants who want to make potential invited presentations but do not want to submit papers, please contact the organizing committee for further determination.

- Scientific Papers: Any achievements in scientific research, technical process and enhancement, academic papers on the topics of LPC 2019, unpublished in any Chinese or international journals. Your contribution will be selected by the review team for Oral Presentation in LPC 2019 and for publication if quality meets the standards of the corresponding Journal. Selected English papers will be published in a Special Issue for LPC 2019 in SCI-indexed “Journal of Laser Applications (JLA)”.
- Application-oriented Papers: Any research and technical reports on the topics of LPC 2019. Your contribution will be selected by the review team for Oral Presentation in LPC 2019.
- Submission Deadline: 20 January, 2019

#### **V. Submission:**

Please submit an abstract of your paper to [coslpc@chinalaser.org](mailto:coslpc@chinalaser.org).

You will be asked for the full paper when your abstract is accepted after evaluation.

#### **Guideline for Abstract Submission:**

The abstract should be submitted in English (if available also in Chinese). It should include:

- Title
- Author and contact (including telephone, email, fax and address)
- 3-5 keywords
- Abstract within 250 words, one picture or chart at most
- In PDF or Microsoft Word
- Please prepare your oral presentation when your abstract is accepted.

#### **Please Note the Following Deadlines:**

- Apply for Invited Presentations or Submit Abstract: 20 January, 2019
- Evaluation Results: 10 February, 2019
- Submit Presentations & Full Papers: 10 March, 2019

#### **Contact:**

Chinese Optical Society-Laser Processing  
Committee (COS-LPC)

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