

光学技术大会

PHOTONICS CONGRESS CHINA



2020年3月18-20日

March 18-20, 2020

上海新国际博览中心

Shanghai New International
Expo Centre (SNIEC)

15th International Laser Processing and Systems Conference (LPC 2020)

CALL FOR PAPERS AND ATTENDANCE

I. About the Conference

Laser technologies are profoundly transforming our scientific research, industrial production and daily life. In order to promote the continuous innovations and revolutions of laser technologies in the world, the 15th International Laser Processing and Systems Conference (LPC 2020) will be held again in Shanghai during 18 – 19 March 2020. 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. More than 1000 companies will exhibit and about 30.000 guests and visitors are expected.

In the past year, the global laser industries and laser technology researches had many new and exciting achievements, basically on the base of a broad range of applications such as laser cutting, laser welding, surface functionalization and more lately in the fields 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 2020, 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 and recent process development.

The LPC 2020 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: 18 – 19 March 2020

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
Chair for Laser Technology (LLT), RWTH
Aachen University / 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 2020, unpublished in any Chinese or international journals. Your contribution will be selected by the review team for Oral Presentation in LPC 2020 and for publication if quality meets the standards of the corresponding Journal. Selected English papers will be published in a Special Issue for LPC 2020 in SCI-indexed "Journal of Laser Applications (JLA)".
- Application-oriented Papers: Any research and technical reports on the topics of LPC 2020. Your contribution will be selected by the review team for Oral Presentation in LPC 2020.

V. Submission:

Please submit an abstract of your paper to 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:

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| • Apply for Invited Presentations or Submit Abstract: | 31 December, 2019 |
| • Evaluation Results: | 31 January, 2020 |
| • Submit Presentations & Full Papers: | 10 March, 2019 |

Contact:

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

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