

Call for Contributions

LaP | LOM



- LaP – 6th Conference on Laser Polishing
- LOM – 1st Conference on Laser-based Optics Manufacturing

October 15–16, 2024 in Aachen, Germany



Call for Contributions – Joint Conference LaP | LOM 2024

Joint Conference

This year's 6th Conference on Laser Polishing LaP will be held for the first time in combination with the 1st Conference on Laser-based Optics Manufacturing LOM. We look forward to welcoming you to this groundbreaking event that brings together leading experts, researchers, and industrialists from the world of laser polishing and laser-based optics manufacturing.

This year we are broadening our horizons by combining the latest developments, challenges, and successes in laser polishing with the innovative technologies and applications in laser-based optics manufacturing. This combination allows for a rich discussion on the synergies between the two fields as well as the future opportunities and trends in laser processing.

The conference provides a unique platform to exchange knowledge, present research results and discuss the latest technologies and applications. We cordially invite you to take part in this inspiring event, expand your network and help shape the future of laser processing and optics manufacturing.

With 70 to 80 participants from different areas of industry and science, LaP has established itself as one of the most important conferences on laser polishing. The LOM will now expand this event to further applications on laser polishing and laser-based optics manufacturing.

LaP | LOM 2024 will take place this year from October 15–16, 2024 at the Fraunhofer ILT in Aachen.

Call for Contributions LaP | LOM 2024 Submission of Abstracts

You are invited to give a presentation on your work on laser polishing and/or laser-based optics manufacturing. Please send an abstract of your presentation using the enclosed template by June 15, 2024 to edgar.willenborg@ilt.fraunhofer.de. A notification regarding the acceptance of contributions will be sent by June 31, 2024. Presentations may last a maximum of 30 min with 20–25 min for the presentation and 5–10 min for discussion.

We are looking forward to meeting you at the LaP | LOM 2024 joint conference in Aachen.

Sincerely,

A handwritten signature in black ink, appearing to read 'Edgar Willenborg', written in a cursive style.

Dr. Edgar Willenborg
Fraunhofer Institute for Laser Technology ILT



Invitation to LaP | LOM 2024

Main Topics

- Laser polishing of metals
- (e.g. functional and design surfaces, additively manufactured parts, tools)
- Laser polishing of glass
- Laser-based processes for optics manufacturing (e. g. SLE, USP ablation)
- Precision shape correction of optical surfaces
- Laser polishing of other materials such as plastics or CVD diamond films
- Laser deburring
- Other related topics (e. g. metrology, process control)

General Information

The conference will be held in presence at Fraunhofer ILT in Aachen, Germany. The conference language is English.

The conference fee for both LaP | LOM 2024 together will be 490,- € payable on receipt of invoice by attendees as well as speakers.

Early bookers pay only 390,- € until July 31, 2024.

Further Information and Registration

www.ilt.fraunhofer.de/lap-lom

Schedule

- Deadline for abstract submission
June 15, 2024
- Notification of acceptance
June 31, 2024
- Registration deadline for conference
September 29, 2024
- Early bird registration
until July 31, 2024
- Conference LaP | LOM 2024
October 15 –16, 2024

Fraunhofer Institute for Laser Technology ILT

The Fraunhofer Institute for Laser Technology ILT is one of the most important development and contract research institutes in laser development and application worldwide. Its activities encompass a wide range of areas such as developing new laser beam sources and components, laser-based metrology, testing technology and industrial laser processes. This includes laser cutting, ablation, drilling, welding and soldering as well as surface treatment, micro processing and additive manufacturing. Furthermore, Fraunhofer ILT develops photonic components and beam sources for quantum technology.

Overall, Fraunhofer ILT is active in the fields of laser plant technology, digitalization, process monitoring and control, simulation and modeling, AI in laser technology and in the entire system technology. We offer feasibility studies, process qualification and laser integration in customized manufacturing lines. The institute focuses on research and development for industrial and societal challenges in the areas of health, safety, communication, production, mobility, energy and environment. Fraunhofer ILT is integrated into the Fraunhofer Gesellschaft.

Organization

Dr. Edgar Willenborg
Phone +49 241 8906-213
edgar.willenborg@ilt.fraunhofer.de

Fraunhofer Institute
for Laser Technology ILT
Steinbachstraße 15
52074 Aachen, Germany
www.ilt.fraunhofer.de