



Fraunhofer Institute for Laser
Technology ILT

Call for Contributions

LaP 2022 – 5th Conference on Laser Polishing

October 12–13, 2022 | Digital Event

www.ilt.fraunhofer.de/lap-2022



Welcome to the 5th Conference on Laser Polishing – LaP 2022

Scope of the Conference

In the last two years, laser polishing of optics made of glass, but also of tools and mechanical parts made of metals, for example, has been intensively investigated gaining further interesting results. Therefore, the interest of the scientific and industrial communities in this new technology is constantly growing. There is clearly a significant demand for a cost-effective, automated finishing process as a viable alternative to conventional abrasive methods. The conference aims to present scientific and application-related results on laser polishing, to bring together the people working all over the world on laser polishing and to promote and stimulate discussions and new scientific cooperation.

With 70 to 80 participants each time from various industrial and scientific sectors the LaP has established itself as a key conference on laser polishing. The 4th Conference on Laser Polishing LaP 2020 was the first LaP to take place online. Due to the uncertain situation with unclear possibilities for international travels, we have decided to organize the LaP 2022 as an online conference as well. Nevertheless, speakers are invited to come to Aachen to present their results together

with the other speakers. But online presentations are also welcome. The LaP 2022 will be held from October 12 to 13, 2022.

Call for Contributions LaP 2022 / Submission of Abstracts

You are invited to give a presentation on your work on laser polishing. Please send an abstract of your presentation using the enclosed template by July 8, 2022 to edgar.willenborg@ilt.fraunhofer.de. A notification regarding the acceptance of contributions will be sent by July 22, 2022. Presentations may last a maximum of 30 min with 20–25 min for the presentation and 5–10 min for discussion. Please note that the abstracts will be published in the conference handout.

We are looking forward to meeting you at the 5th Conference on Laser Polishing LaP 2022.

Sincerely,

A handwritten signature in black ink, appearing to read 'Edgar Willenborg', written over a light grey rectangular background.

Dr. Edgar Willenborg
Fraunhofer Institute for Laser Technology ILT



Invitation to LaP 2022

Main Topics

- Laser polishing of metals (e. g. functional and design surfaces, additive manufactured parts, dies, tools)
- Laser polishing of glass and laser-based processes for manufacturing optical surfaces
- Laser polishing of other materials such as ceramics, CVD diamond films, plastics
- Laser deburring
- Further related topics (e. g. metrology for laser polished surfaces)

General Information

The conference will be held online. To allow people from Asia as well as America to participate, the conference will take place on both days in the afternoon European time (early morning in America, late afternoon in Asia). The conference language is English.

The conference fee will be 200,- € payable on receipt of invoice by attendees as well as speakers. Early bookers pay only 150,- € until July 31, 2022.

Further Information and Registration

www.ilt.fraunhofer.de/lap-2022

Schedule

- Deadline for abstract submission
July 8, 2022
- Notification of acceptance
July 22, 2022
- Registration deadline for conference
September 26, 2022
- Conference LaP 2022
October 12–13, 2022

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

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