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LiM 2023 in cooperation with



General Chair

Prof. Christoph Leyens
Fraunhofer-Institut für Werkstoff- und Strahltechnik IWS
Dresden, Germany

Conference Office

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Conference Venue

ICM – International Congress Center Messe München
Munich, Germany

Conference Fees

Included are the digital conference proceedings, the **LiM** social event, visit of the trade fair, and participation at all World of Photonics Congress conferences.

Registration “Early Bird” until May 26, 2023:

	<i>excl. VAT</i>	<i>incl. 19 % VAT</i>
Full WLT and cooperation partner members	542,02 €	645,00 €
Non-WLT member	672,27 €	800,00 €
Student WLT member	193,28 €	230,00 €
Student non-WLT member	243,70 €	290,00 €
One-day participation	247,90 €	295,00 €

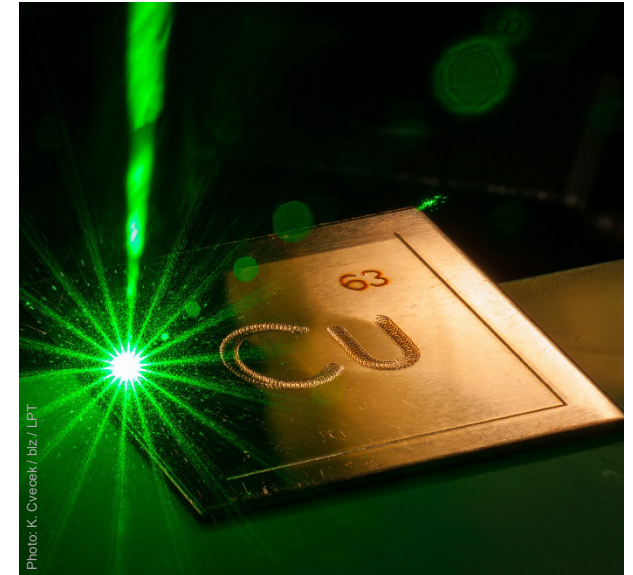
Registration after May 26, 2023 and registration on-site:

	<i>excl. VAT</i>	<i>incl. 19 % VAT</i>
Full WLT and cooperation partner members	630,25 €	750,00 €
Non-WLT member	756,30 €	900,00 €
Student WLT member	243,70 €	290,00 €
Student non-WLT member	268,91 €	320,00 €
One-day participation	310,92 €	370,00 €

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LASERS IN MANUFACTURING

LiM 2023

Munich, June 26 - 29, 2023

www.wlt.de/lim-conference

WORLD OF PHOTONICS CONGRESS
MESSE MÜNCHEN, JUNE 25 - 30, 2023



Conference Scope

The **LiM – Lasers in Manufacturing** is the perfect platform for efficient knowledge transfer in the field of lasers and their applications. The **LiM** is organized by the German Scientific Society for Lasers and Photonics (**WLT**).

The **LiM** is devoted to scientific presentations on the latest research results. Following the common code of good scientific practice, the presentations shall be complete, comprehensible, and verifiable. All contributions for the **LiM** will undergo a review process by the Scientific Committee.

The **LiM** focuses on the latest developments as well as future trends in the field of laser materials processing. The conference topics address everyone who is interested in the potential of lasers in manufacturing in theory and application.

It is the aim of the **LiM** to bring together international experts from research and industry in order to match scientific advances and economic needs for mutual benefit.

The **LiM** is a part of the World of Photonics Congress 2023 and is co-located to LASER World of PHOTONICS, the world's leading trade fair and congress for components, systems and applications of photonics.

We invite you to join the **LiM** and be a part of our international community sharing ideas in inspiring talks and discussions.

Dresden/Hannover, November 2022

Christoph Leyens
(General Chair LiM 2023)

Ludger Overmeyer
(President of the WLT e.V.)

Conference Topics

Macro Processing

Chair: Constantin Haefner, Fraunhofer ILT, Germany

- Joining (welding and brazing)
- Cutting
- Surface treatment and cladding
- Fundamentals and process simulation
- Process control and digital methods
- System technology

Micro Processing

Chair: Andreas Ostendorf, Ruhr-Universität Bochum, Germany

- Ablation, drilling and micro-cutting
- Micro-joining
- Surface patterning, thin film processing and functionalization
- Processing of semiconductors and transparent materials
- Multiphoton processes
- Laser-generated nanostructures
- Fundamentals and process simulation
- Optics in laser micro processing

Additive Manufacturing

Chair: Michael F. Zaeh, Technische Universität München, Germany

- Laser-based Additive Manufacturing
- Laser Powder Bed Fusion of metals, polymers and glass
- Laser Metal Deposition
- Simulation and modeling of laser-based Additive Manufacturing production chains
- System engineering and process control

Joint Session with CLEO

LiM works together with CLEO Conference on Lasers and Electro-Optics for a joint session on „Light-Matter-Interaction“.

Social Event

Organizer: Michael F. Zaeh, iwb, TU München, Germany

An evening reception will take place on June 28, 2023. Participation is included in the conference fee, pre-registration is required.

The World of Photonics Congress

The World of Photonics Congress brings together a large number of different conferences and meetings covering all topics relevant to the development of modern laser and photonic science and technology.

Submission of Contributions

January 27, 2023

Abstract submission deadline

The abstracts have to be uploaded to our Conference Management Tool 'ConfTool'. Please find detailed information on the LiM website www.wlt.de/lim-conference.

- *Length:* 150 words
- *Language:* English
- *Data type:* As plain text in 'ConfTool' entry mask

All abstracts will be reviewed by the Scientific Committee and published in the abstract booklet after acceptance.

March 20, 2023

Notification of acceptance

Accepted contributions have to be presented orally at the **LiM 2023**. The template available on the LiM website must be used for writing the full paper. The total length of the paper has to be between two and ten pages.

June 26, 2023

Paper submission deadline

The camera-ready papers have to be uploaded to 'ConfTool' www.conftool.org/lim2023.

Conference Proceedings

The conference proceedings of the **LiM** will be published online.

Editors

Christoph Leyens, Fraunhofer IWS, Germany
Constantin Haefner, Fraunhofer ILT, Germany
Andreas Ostendorf, Ruhr-Universität Bochum, Germany
Michael F. Zaeh, Technische Universität München, Germany

The WLT and its targets

The German Scientific Society for Lasers and Photonics (WLT) supports all scientific aspects of laser technology and photonics. The main targets are coordination of scientific work, technology transfer and the stimulation of cooperation.

