

Scientific Committee

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LiM 2025 in cooperation with



SWISS PHOTONICS

General Chair

Prof. Jean Pierre Bergmann
Technische Universität Ilmenau, Germany

Conference Office

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Conference Venue

ICM – International Congress Center Messe München
Munich, Germany

Conference Fees

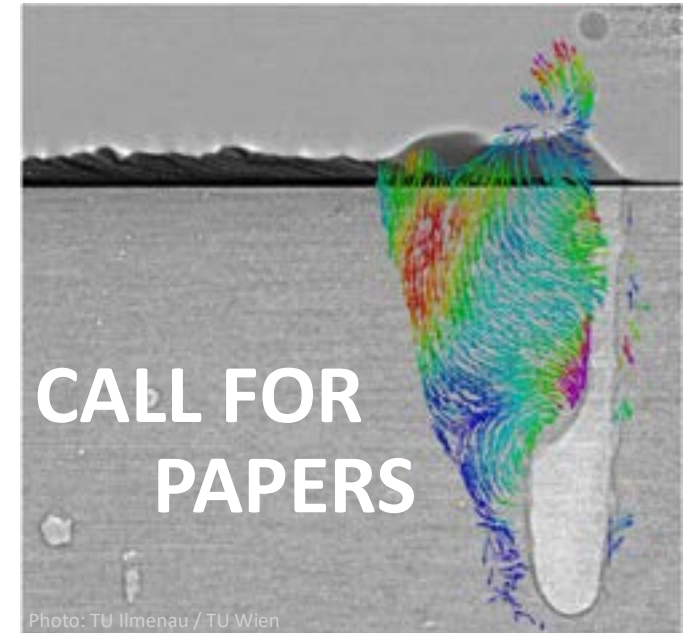
Included are the digital conference proceedings, the **LiM** social event, visit of the trade fair, and participation at all World of Photonics Congress conferences.

Registration “Early Bird” until June 02, 2025:

	<i>excl. VAT</i>	<i>incl. 19 % VAT</i>
Full WLT and cooperation partner members	575,63 €	685,00 €
Non-WLT member	714,29 €	850,00 €
Student WLT member	205,88 €	245,00 €
Student non-WLT member	260,50 €	310,00 €
One-day participation	264,71 €	315,00 €

Registration after June 02, 2025 and registration on-site:

	<i>excl. VAT</i>	<i>incl. 19 % VAT</i>
Full WLT and cooperation partner members	668,07 €	795,00 €
Non-WLT member	802,52 €	955,00 €
Student WLT member	260,50 €	310,00 €
Student non-WLT member	285,71 €	340,00 €
One-day participation	331,93 €	395,00 €



LASERS IN MANUFACTURING

LiM 2025

Munich, June 23 - 26, 2025

www.wlt.de/lim-conference



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Conference Scope

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

The **LiM** conference 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** conference 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** conference to bring together international experts from research and industry, in order to match scientific advances and economic needs for mutual benefit.

The **LiM** conference is a part of the World of Photonics Congress 2025 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** conference and be a part of our international community sharing ideas in inspiring talks and discussions.

Ilmenau/Stuttgart, November 2024

Jean Pierre Bergmann
(General Chair LiM 2025)

Thomas Graf
(President of the WLT e.V.)

Conference Topics

Macro Processing

Chair: Michael Rethmeier, Bundesanstalt für Materialforschung und -prüfung (BAM), Germany

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

Micro and Nano Processing

Chair: Stephan Barcikowski, University of Duisburg-Essen, Germany

- Ablation, drilling, micro-cutting and micro-joining
- Surface patterning, thin film processing and functionalization
- Multiphoton processes
- Laser-generated nanostructures
- Nanoparticle laser synthesis and processing
- Fundamentals: optics, photonics and simulation

Additive Manufacturing

Chair: Michael Schmidt, Friedrich-Alexander-Universität Erlangen-Nürnberg, 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
- System engineering and process control
- In situ radiography and monitoring
- Rapid alloy development
- Multi-material additive manufacturing
- Additive manufacturing for medical applications

Joint Session with CLEO

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

Social Event

Organizer: Michael F. Zäh, iwB, TU München, Germany

An evening reception will take place on June 25, 2025. 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 modern laser and photonic science and technology.

Publications

The proceedings of the LiM conference will be made available on the LiM website. Please note that paper submission is optional.

NEW ADD-ON: The conference **chairs will select** outstanding contributions from the conference **on-site** for publication in special issues of **peer-reviewed journals** after the conference.

Submission of Contributions

January 26, 2025

Abstract submission deadline

The abstracts have to be uploaded to our conference management tool 'ConfTool': www.conftool.org/lim2025
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. Accepted abstracts will be published online on the LiM website.

March 20, 2025

Notification of acceptance

Accepted contributions have to be presented orally at the conference. Please be advised that, should you wish to submit a full paper, you are required to use the template which will be made available on the LiM website. The total length of your paper has to be between two and ten pages.

July 31, 2025

Paper submission deadline (optional)

The camera-ready full papers, which will be published on the LiM website, have to be uploaded to 'ConfTool'. You will get detailed information with the notification of acceptance.

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.