

## Scientific Committee

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**M. Brandt**, RMIT University, Australia  
**J. P. Bergmann**, Technische Universität Ilmenau, Germany  
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**H. P. Huber**, Munich University of Applied Sciences, Germany  
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**A. Kaplan**, Luleå University of Technology, Sweden  
**Y. Kawahito**, JAMSTEC, Japan  
**H.-J. Krauß**, Bayerisches Laserzentrum GmbH, Germany  
**A. Lasagni**, TUD Dresden University of Technology, Germany  
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**A. Otto**, Vienna University of Technology, Austria  
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**B. Vrancken**, KU Leuven, Belgium  
**K. Wudy**, Technische Universität München, Germany  
**M. F. Zäh**, Technische Universität München, Germany

**LiM 2027** in cooperation with



## Conference Chairs



General Chair:  
Prof. habil. Dr.-Ing.  
Stephan Barcikowski,  
University of  
Duisburg-Essen,  
Germany



Co-Chair:  
Dr. Anna Rosa  
Ziefuß,  
University of  
Duisburg-Essen,  
Germany

## Conference Office

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E-mail: [lim@blz.org](mailto:lim@blz.org) | URL: [www.wlt.de/lim-conference](http://www.wlt.de/lim-conference)

## Conference Venue

ICM – International Congress Center Messe München  
Munich, Germany

## Plenary Speaker

### Prof. Dr. Vassilia Zorba

Deputy Director, Energy Technologies and Systems Division  
Senior Scientist & Group Leader, Laser Technologies Group  
Lawrence Berkeley National Laboratory  
USA

### Prof. Dr. Brian Giera

Associate Program Director, AI &  
Manufacturing  
Lawrence Livermore National Laboratory  
USA



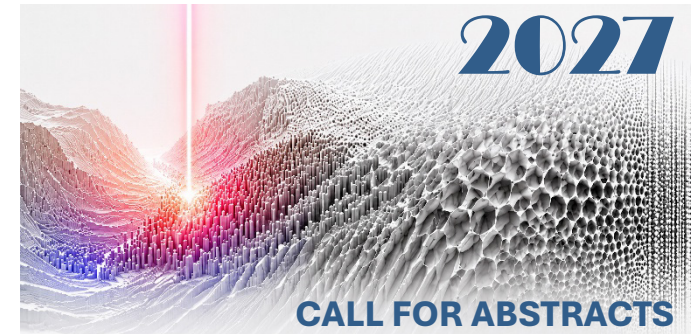
## Invited Speakers

...will be announced continuously on the LiM website.



Nowadays things are changing fast.  
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[www.wlt.de/lim-conference](http://www.wlt.de/lim-conference)



## LASERS IN MANUFACTURING

**LiM 2027**

Munich, June 21 - 24, 2027

[www.wlt.de/lim-conference](http://www.wlt.de/lim-conference)



**WORLD OF  
PHOTONICS  
CONGRESS**



## 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 2027 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.

Essen/Ilmenau, September 2026

Stephan Barcikowski  
(General Chair LiM 2027)

Jean Pierre Bergmann  
(President of the WLT)

## Conference Topics



### MACRO PROCESSING

**Chair:** *Univ.-Prof. Dr.-Ing. habil.  
Jean Pierre Bergmann  
Technische Universität Ilmenau  
Germany*

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



### MICRO AND NANOPROCESSING

**Chair:** *Prof. Dr.-Ing.  
Andreas Ostendorf  
Ruhr-Universität Bochum  
Germany*

- Ablation, drilling, micro-cutting and micro- and nano-joining
- Surface patterning, thin film and 2D-materials processing and functionalization
- Multiphoton processes
- Laser- and laser chemistry-generated micro- and nano-structures
- Nanoparticle laser synthesis and processing
- Fundamentals: optics, photonics and simulation



### ADDITIVE MANUFACTURING

**Chair:** *Prof. Dr.-Ing.  
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 modelling 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

## Submission of Abstracts

**January 31, 2027**

### Abstract submission deadline

The abstracts have to be uploaded to our conference management tool 'ConfTool': [www.conftool.org/lim2027](http://www.conftool.org/lim2027)

Please find detailed information on the LiM website [www.wlt.de/lim-conference](http://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.

**March 26, 2027**

### Notification of acceptance

Accepted contributions have to be presented either orally or as a poster at the conference. The conference chairs will select outstanding contributions on-site at the conference for publication in special issues of peer-reviewed journals after the conference.

## Joint Session with CLEO

LiM works together with CLEO Conference on Lasers and Electro-Optics for a joint session on „Advanced Laser Processing: Fundamentals and Applications“ open for contributions.

## Social Events

### Evening reception

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

An evening reception will take place on June 23, 2027.

Participation is included in the conference fee, pre-registration is required.

### We keep lasers running

Morning run for LiM participants: Start your conference day with a relaxed run through Munich and connect with fellow researchers and industry experts.

## 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.

## 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.