

GENERAL INFORMATION

Advisory board

Germany

Benjamin Butz, University of Siegen
Andreas Graff, Fraunhofer Institute for Microstructure of Materials and Systems
Katharina Hipp, Max-Planck Institute for Biology Tübingen
Carsten Sachse, Forschungszentrum Jülich
Kerstin Volz, Philipps-University of Marburg
Marc Willinger, Technical University of Munich

Austria

Tom Heuser, Vienna Bio Center
Gerald Kothleitner, Technical University of Graz
Gerd Leitinger, Medical University of Graz
Michael Stöger-Pollach, Technical University of Vienna

Switzerland

Daniel Böhringer, Eidgenössische Technische Hochschule Zürich
Marco Cantoni, Ecole Polytechnique Fédérale de Lausanne
Christel Genoud, Ecole Polytechnique Fédérale de Lausanne
Robin Schäublin, Eidgenössische Technische Hochschule Zürich

Important deadlines 2025

10 Feb Abstract submission deadline
15 Apr Review deadline
30 Apr Notification of abstract acceptance
15 May Early bird registration

Registration

Please register online at www.microscopy-conference.de.

CONFERENCE FEES	EARLY BIRD 15 MAY	REGULAR
Member*	295 EUR	345 EUR
Non-member	355 EUR	405 EUR
Student	115 EUR	135 EUR
Day ticket	200 EUR	200 EUR
Pre-workshop	95 EUR	95 EUR
Accompanying person	155 EUR	185 EUR
Exhibitor	175 EUR	175 EUR
Conference dinner		
Student		10 EUR
Regular (member/non-member)		20 EUR
For day ticket holder		35 EUR

*DGE – German Society for Electron Microscopy e. V.
SSOM – Swiss Society for Optics and Microscopy
ASEM – Austrian Society for Electron Microscopy

GENERAL INFORMATION

Venue

Messe Karlsruhe,
Messeallee 1
76287 Rheinstetten, Germany

Date

31 August–4 September 2025

Conference Chairs

Prof. Dr. Christian Kübel

Karlsruhe Institute of Technology (KIT)
Institute of Nanotechnology & Karlsruhe Nano Micro Facility
and Technical University Darmstadt Department
of Materials & Earth Sciences

TT. Prof. Dr.-Ing Yolita M. Eggeler

Karlsruhe Institute of Technology (KIT)
Laboratory for Electron Microscopy (LEM) and
Microscopy of Nanoscale Structures & Mechanisms (MNM)

Prof. Dr. rer. nat. Astrid Pundt

Karlsruhe Institute of Technology (KIT)
Institute for Applied Materials Science (IAM-WK)


Prof. Dr. rer. nat. Rasmus R. Schröder

Cryo Electron Microscopy
Heidelberg University/Medical Faculty

Lunchtime lectures and industrial exhibition

The MC 2025 will be offering a large range of possibilities for exhibition, lunchtime lectures, advertisements and other marketing services, and is therefore the perfect platform to present your company and products to an outstanding audience of about 1,000 experts from all over the world.

Conference organiser

Conventus Congressmanagement & Marketing GmbH 
mc@conventus.de
www.conventus.de



31 August–4 September 2025
www.microscopy-conference.de

DREILÄNDERTAGUNG

The MC 2025 is jointly organised by
DGE – German Society for Electron Microscopy e. V.
SSOM – Swiss Society for Optics and Microscopy
ASEM – Austrian Society for Electron Microscopy



Based on the scientific quality, educational merits, international dimension, and student support of the present event, EMS (European Microscopy Society) has granted patronage over the Microscopy Conference 2025.



WELCOME NOTE

Dear Colleagues and Friends,

We are pleased to welcome you to the Microscopy Conference MC 2025, which will take place from August 31st to September 4th, 2025, in the charming city of Karlsruhe, Germany. Whether you're a student just starting out in the fascinating world of microscopy, a technician on the hunt for the latest gear and scientific techniques, or

an experienced scientist or renowned expert, this will be your European microscopy conference in 2025. Our goal is to create an inspiring atmosphere where ideas can flourish, and new collaborations can bloom.

Following the tradition of the 'Dreiländertagung', the Austrian, German, and Swiss Societies for Electron Microscopy (ASEM, DGE, SSOM) are excited to set the stage for vibrant scientific exchange and innovation sparked by the passion for science. We are expecting over 1,000 participants from around the globe, making this a truly international celebration of microscopy.

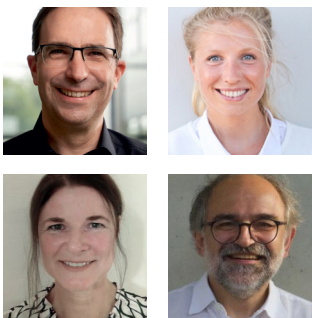
The Karlsruhe Institute of Technology (KIT), celebrating its 200th anniversary in 2025, will host pre-conference workshops on August 31. These workshops promise an intense exchange with experienced researchers and a warm invitation to young microscopists to dive right in.

The Messe Karlsruhe, with its spacious halls and well-equipped conference rooms, is the perfect location for our main scientific programme. It offers excellent facilities for both, instrument exhibitions and scientific presentations, along with ample space for coffee and lunch breaks, ensuring that our shared passion for microscopy research has both, the room –and the refreshments– it needs to thrive!

Our scientific programme will feature plenary talks on the hottest current topics. You'll hear about the latest advances in instrumentation and methods, materials science, and life sciences through invited talks, as well as oral and poster presentations. The event will be completed by the opening and closing ceremonies, award presentations, and prize lectures. We are looking forward to seeing you all in Karlsruhe – you will make our conference a truly special and genuine experience, a unique platform for exchanging ideas and insights.

Warm regards,

Christian Kübel, Yolita M. Eggeler, Astrid Pundt, Rasmus Schröder
Conference Chairs, MC 2025



PRELIMINARY PROGRAMME STRUCTURE

	Sun 31 Aug	Mon 1 Sept	Tue 2 Sept	Wed 3 Sept	Thu 4 Sept
Pre-Workshops		Opening & Plenary 1	Plenary 2 + 3	Ernst Ruska Lectures	Harald Rose Lecture & Plenary 4
		Opening Industrial Exhibition		Coffee Break	
		MS 1 LS 1 IM 1	MS 2 LS 2 IM 2	MS 4 LS 4 IM 4	MS 6 LS 6 IM 6/LS 7
		Break & Lunchtime Lectures			
Registration		Poster Presentations	Poster Presentations	Poster Presentations	MS 7 MS 8 IM 7
		Exhibitor's Presentations	MS 3 LS 3 IM 3	MS 5 LS 5 IM 5	Closing & Farewell
		Networking within the Exhibition			
Welcome Reception		Individual cultural programme or Invitation by Sponsors			
				Conference Dinner	

ABSTRACT SUBMISSION

Conference topics

A detailed description of all listed sessions can be found online.

Materials Science

- MS 1 Energy-related materials and catalysts
- MS 2 Metals and alloys
- MS 3 Disordered materials
- MS 4 Low-dimensional and quantum materials
- MS 5 Functional organics, carbon-based and hybrid materials
- MS 6 Ceramics, composites and geoscience
- MS 7 Multi-scale and correlative *in-situ/operando* electron microscopy
- MS 8 Beyond ideal 2D and van der Waals materials: Disorder, defects, adatoms, and contamination

Life Sciences

- LS 1 Structure and functions of cells and organelles – Cryo ET
- LS 2 Structure and functions of cells and organelles – Imaging of large volumes and plastic section tomography
- LS 3 Cryo-EM and image analysis of macromolecules and molecular assemblies
- LS 4 Correlative microscopy and multimodal microscopy
- LS 5 Pathology, pathogens and diagnostics
- LS 6 Advances in sample preparation

Instrumentation and Methodes

- IM 1 Progress in instrumentation and ultrafast EM
- IM 2 Advanced spectroscopy
- IM 3 SEM and FIB developments
- IM 4 4D STEM and phase-related techniques
- IM 5 Beam shaping and analysis
- IM 6 Big data and AI techniques
- IM 7 Electron crystallography

Workshops

- 4D-STEM in materials and life sciences
- Electron optics, microscope equipment and new approaches for imaging and spectroscopy
- *In-situ/operando* TEM and SEM
- Practical aspects of aberration correction in TEM and STEM
- Research data management
- Materials meets life science microscopy – From critical preparation to advanced microscopy of sensitive/reactive specimens
- Volume EM – selected topics

The scientific programme will offer a variety of plenary lectures, scientific talks and poster sessions as well as workshops covering the topics above.

PLEASE SUBMIT YOUR ABSTRACTS UNTIL 10 FEBRUARY
ONLINE AT www.microscopy-conference.de

