

# PARTEC 2025

International Congress on Particle Technology

September 23-25, 2025, Nuremberg, Germany

**PARTICLES EMPOWERING TOMORROW:  
INNOVATIONS FOR OUR GLOBAL WORLD**

**CALL FOR PAPERS**

[www.partec.info](http://www.partec.info)

Submission Deadline

January 10, 2025

Together with

**POWTECH**  **TECHNOPHARM**

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**NÜRNBERG**  **MESSE**

# PURPOSE

Today, particles are the building blocks of traditional industries such as chemicals, pharmaceuticals and minerals and also driving forces in the substantial sector of energy transition technologies, including hydrogen and energy harvesting and storage as well as advanced production methods such as powder and spray-based materials processes. In this ever-evolving landscape of particle technology, we combine innovation and global impact.

As we convene for the PARTEC 2025, one of the largest international gatherings in the field, our focus extends beyond traditional realms to encompass both established and emerging research and applications in particle technology. Against the backdrop of climate change, our overarching theme, **“Particles Empowering Tomorrow: Innovations for our Global World”** reflects the commitment of our community to address the evolving needs of our world.

Our emphasis goes beyond product quality alone; we strive to maximize material utilization and energy efficiency in processes. The dynamics of climate change have underscored the importance of sustainability and circular economy principles, guiding our exploration of how particle technology can contribute to a more sustainable future.

# SCIENTIFIC COMMITTEE

Antonyuk, S. – RPTU Kaiserslautern-Landau, DEU

Arastoopour, H. – Illinois Tech (IIT), USA

Braun, M. – Ansys Germany GmbH, DEU

Breitkreutz, J. – Heinrich Heine University Duesseldorf, DEU

Butt, H.-J. – MPIP Mainz, DEU

Chaouki, J. – Polytechnique Montréal, CAN

Coppens, M.-O. – University College London (UCL), GBR

Dave, R.-N. – NJIT, USA

Fan, L.-S. – The Ohio State University, USA

Först, P. – TU Munich, DEU

Fritsching, U. – University of Bremen, DEU

Frye, L. – Bayer AG, DEU

Fuji, M. – NITech, JPN

Garnweitner, G. – TU Braunschweig, DEU

Herrmann, H. J. – ESPCI Paris, FRA

Juhnke M. – F. Hoffmann-La Roche Ltd, CHE

Kind, M. – KIT, DEU

Klupp-Taylor, R. – FAU Erlangen-Nürnberg, DEU

Kraus, T. – Leibniz INM, DEU

Kuipers, J.A.M. – TU Eindhoven, NLD

Lenz, J. – Novartis Pharma AG, CHE

Li, J. – Chinese Academy of Sciences (CAS), CHN

Luding, S. – University of Twente, NLD

Matsusaka, S. – Kyoto University, JPN

Meesters, G.M.H. – TU Delft, NLD

Mühlenweg, H. – Evonik Operations GmbH, DEU

Muzzio, F. J. – Rutgers University, USA

# EXECUTIVE COMMITTEE

Ghadiri, M. – University of Leeds, GBR

Heinrich, S. – Hamburg University of Technology, DEU

Kleine Jäger, F. – BASF SE, DEU

Kwade, A. – TU Braunschweig, DEU

Mädler, L. – University of Bremen & Leibniz Institute, DEU

PARTEC 2025 is a congress that brings together academia and industry. The synergetic effects created here are unique and offer opportunities for intensive discussions and knowledge transfer. Our connection with POWTECH TECHNOPHARM, the international exhibition for process operations creates a unique bridge between research and application.

I cordially invite you from all parts of the world. Join us in Nuremberg for PARTEC 2025, where together we will push the boundaries of particle technology, drive progress and contribute to innovations that will shape a global future.

Looking forward to your active participation and valuable contributions.



**Prof. Dr.-Ing. habil. Lutz Mädler**

University of Bremen

Chairman for PARTEC 2025

Naito, M. – Osaka Metropolitan University, JPN

Nakamura, H. – Osaka Metropolitan University, JPN

Palzer, S. – Nestlé, CHE

Peglow, M. – IPT-Pergande GmbH, DEU

Peukert, W. – FAU Erlangen, DEU

Prastinis, S. – ETH Zürich, CHE

Pui, D.Y.H. – University of Minnesota, USA

Riebel, U. – BTU Cottbus, DEU

Salman, A.D. – University of Sheffield, GBR

Satoru, W. – Osaka Metropolitan University, JPN

Scherließ, R. – Kiel University (CAU), DEU

Schmidt, E. – University of Wuppertal, DEU

Schneider, H. – Zeppelin Systems GmbH, DEU

Seville, J.P.K. – University of Birmingham, GBR

Smith, R. – The University of Sheffield, GBR

Teipel, U. – TH Nürnberg & University of Ulm, DEU

Tsotsas, E. – OVGU Magdeburg, DEU

van Ommen, J.R. – TU Delft, NLD

Vogel, N. – FAU Erlangen, DEU

Walter, J. – FAU Erlangen, DEU

Weber, A. – TU Clausthal, DEU

Weimer, A.W. – University of Colorado, USA

Weinekötter, R. – Gericke AG, CHE

Witt, W. – Sympatec GmbH, DEU

Wollny, M. – Merck KGaA, DEU

Yu, A. – Monash University, AUS

Nirschl, H. – Karlsruhe Institute of Technology, DEU

Peuker, U. – TU Bergakademie Freiberg, DEU

Pirker, S. – University Linz, AUT

Schilde, C. – TU Braunschweig, DEU

Segets, D. – University of Duisburg-Essen, DEU

## TOPICS AND SUBJECTS

PARTEC welcomes contributions from researchers in universities, industrial companies and other research organizations. Industry specific and also joined research between industry and research organizations are appreciated. Contributions covering all aspects of particle science and applications are welcome.

Subjects of interest can include:

- **Bulk powder technologies, gas-solid-multiphase flow**
- **Comminution, breakage, agglomeration and granulation**
- **Separation, fractionation and sorting**
- **Mixing and Dispersing, Liquid-Solid-Multiphase flow**
- **Product synthesis and formulation, particle interactions, interfaces and stabilization in liquid media**
- **Innovative analytical methods for lab and production**
- **Nano and aerosol particle technology**
- **Particle technologies for sustainable products**
- **Innovation in modelling, simulation, machine learning and generative artificial intelligence (AI)**
- **Automated process chains in particle technology**



## GENERAL INFORMATION

The congress will last three days, comprising keynote addresses and presentations in a series of plenary and parallel sessions. The official language of the congress will be English. No simultaneous translation will be provided. The congress programme will be available in April 2025. Travel expenses will not be paid.

**Congress Venue:** Exhibition Centre Nuremberg, Messezentrum, 90471 Nuremberg, Germany

**Cooperation Partner – Abstract Management:** VDI Wissensforum GmbH, VDI-Platz 1, 40468 Dusseldorf, Germany

**Organizer:** NürnbergMesse GmbH, Messezentrum, 90471 Nuremberg, Germany

# CALL FOR SUBMISSION OF CONTRIBUTIONS

Are you an expert on one of the areas of our topics? Then we call on you to make an active contribution to the success of the congress with a presentation.

**Please submit a brief abstract of max. one A4 page by January 10, 2025**, summarizing your presentation. You can submit your paper at [www.partec.info](http://www.partec.info)

## Types of contribution

Your contribution can take the form of:

### 1. a full presentation:

If your paper is accepted you will be allowed to speak 15 minutes, with additional 5 minutes for discussion

### 2. a poster presentation:

The posters will be present throughout the entire conference

## Submission of abstracts

- Title of the paper and/or poster
- An abstract summarizing your paper
- Information about the lecturer and co-authors: name, title(s), company address, department, affiliation, e-mail, telephone and fax number
- In which topic area(s) your presentation should be listed
- How you would like to present your paper upon acceptance (full or poster presentation)

**Please note that abstracts and final papers will be only accepted if they are uploaded to the congress website: [www.partec.info](http://www.partec.info)**

All submissions must be either Microsoft WORD (DOC or DOCX) or Portable Document Format (PDF) files. Your abstract must be received by January 10, 2025. Based on the abstract, the executive committee will decide on the acceptance, type of presentation (oral or poster) and order of presentation in the congress programme.

## Submission of the final extended abstract

If you receive notification of acceptance, you will also receive instructions concerning the extended abstract and a question form to be returned to the VDI Wissensforum GmbH. The accepted abstract will be published in the congress proceedings provided to the congress participants.

## SCHEDULE

- Deadline for submission of abstracts: January 10, 2025
- Notification of acceptance: March 2025
- Final programme available in April 2025

## Possibility to publish research results in a scientific journal

The scientific journal "Forschung im Ingenieurwesen" (Research in Engineering) gives you the opportunity to publish an extended version of your congress publications. Expand your congress contribution by going into more detail about the underlying theories, methodology used and the results of your study. You can then submit your manuscript via the following link, [www.editorialmanager.com/fiin](http://www.editorialmanager.com/fiin) (online submission) taking the formal submission requirements into account. If your contribution passes the initial publisher's review, it will be further reviewed by independent experts in a double-blind process (peer review). [www.springer.com/journal/10010](http://www.springer.com/journal/10010)



# SUPPORTING ORGANISATIONS



International Association for Pharmaceutical Technology (APV), DEU



AIChE's Particle Technology Forum (AIChE's PTF), USA



DECHEMA, Society for Chemical Engineering and Biotechnology, DEU



German Association of Biotechnology Industries (DIB), DEU



German Ceramic Society (DKG), DEU



The German Powder and Bulk Association (DSIV), DEU



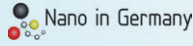
The Research Association of the German Food Industry (FEI), DEU



The Chemical Industry and Engineering Society of China, CHN



Association for Aerosol Research (GAeF), DEU



Nano in Germany, DEU



IChemE PTSIG, GBR



The Society of Powder Technology, JPN



VDI – The Association of German Engineers, VDI Society Chemical and Process Engineering (VDI-GVC), DEU

# FURTHER INFORMATION

For additional information and registration, please visit <https://www.partec.info/> or scan the QR Code on the right-hand side. If you have further questions please do not hesitate to contact us.

## Abstract Management:

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# WE'RE LOOKING FORWARD TO SEEING YOU AT PARTEC 2025 IN NUREMBERG!

