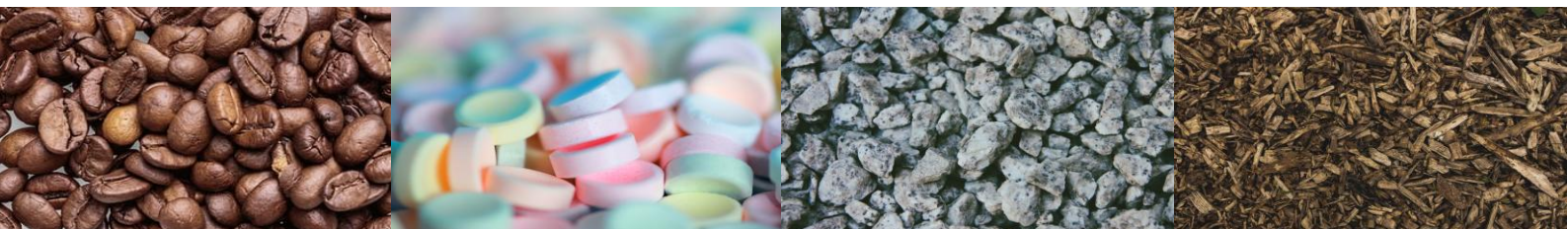


Call for Abstracts

CRC/TRR 287
BULK-REACTION

Reacting and moving granular
assemblies with gas flow



3rd International Workshop on Reacting Particle-Gas Systems

organized by the

Collaborative Research Centre BULK-REACTION

February 15th-17th, 2027

Bochum, Germany

See <https://bulk-reaction.de/3rd-international-workshop/>



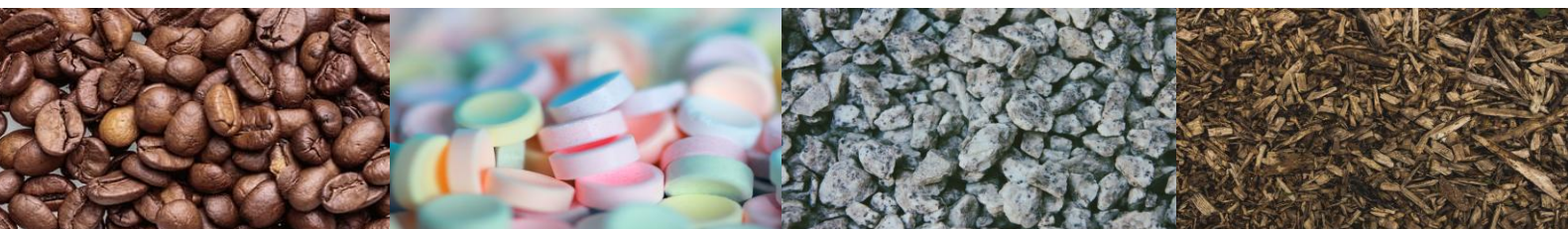
Call for Abstracts

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The 3rd International Workshop will take place in Bochum, Germany, in February 2027, focusing on the **modelling and experimental characterization of reactive particle-gas systems** for researchers from industry and academia.

The main topics of this workshop are:

- Advancement in simulations of reactive particle-gas systems (especially based on DEM/CFD)
- Single-particle reaction models (detailed, reduced, pore network models...)
- Gas flow and gas-phase reactions in particle-gas systems (DNS, LES, porous media models...)
- Advanced measurement techniques in particle-gas systems (laser diagnostics, tomographic techniques, radar, PET, MRI...)
- Reference experiments and benchmarks to validate corresponding simulations

We are pleased to invite you, your colleagues, and students to present your work in a talk or poster session. The registration fee for the workshop is 190€ for PhD candidates and 340€ otherwise.

Please submit an extended abstract (**max. 4 pages**) using the ConfTool system [here](#).

A template and further details can be found [here](#). The deadline for abstract submission is **October 15th, 2026** and the notification of acceptance is **November 15th, 2026**. Selected contributions will be published in a special issue of Particuology.

Confirmed speakers for keynote lectures:

- **Yali Tang**, University of Eindhoven, The Netherlands,
CFD-DEM modelling of reactive gas-solid flows
- **Christopher Windows-Yule**, University of Birmingham, UK
Applications of Positron Imaging
- **Jan-Bernd Hövener**, Christian-Albrechts-Universität zu Kiel, Germany
Applications of Magnetic Resonance Imaging
- **Dominique Thévenin**, Otto von Guericke University, Magdeburg, Germany
Direct Numerical Simulation of reactive particle-gas systems

Organizer of Workshop Series

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Ruhr University Bochum
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Spokesperson of the CRC 287

Dominique Thévenin
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Email: thevenin@ovgu.de