

Invitation to the SWZ Mini Workshop “Simulation for Sustainability” on June 11 + 12, 2026 – Call for Papers –

On June 11 and 12 of this year, the SWZ Mini Workshop 2026 will take place at the Institute for Informatics of Clausthal University of Technology under the title “Simulation for Sustainability”. We would like to cordially invite you to this event.

Simulation Science Center Clausthal-Göttingen

Simulation Science Center Clausthal-Göttingen (SWZ) is a joint scientific facility of Clausthal University of Technology and Georg-August University Göttingen. The aim of SWZ is to strengthen research in the field of simulation science at both universities and to create greater visibility for the subject area. For this purpose, SWZ, founded in 2013, offers various exchange formats and supports the implementation of joint research projects. In addition to the regular SWZ lecture series and the international “SimScience” conference (next event planned for spring 2027), the SWZ Mini Workshop is a low-threshold format for discussing current research questions and gaining insights into new research areas.

SWZ Mini Workshop “Simulation for Sustainability”:

Simulating sustainable solutions together – from theory to application

The workshop planned for mid-June will focus on the central theme of “Simulation for Sustainability” – the targeted application of simulation methods to solve pressing social and environmental challenges. The focus will be on the development and application of mathematical models and innovative simulation methods for complex processes relevant to sustainability: from the simulation of energy and transport networks to material simulations with a focus on recycling and resource efficiency to simulation approaches for complex.

The workshop is particularly aimed at young researchers and doctoral students, who - after presenting their own work and ideas - can then also discuss with experts from “the other field”. The mini-workshop therefore sees itself more as a discussion forum for generating new ideas than as a format for finalizing completed projects.

Keynotes

The following keynote speakers have been invited for the Mini Workshop:

- **Dr.-Ing. Michael Bosse**, SimpaTec Engineering GmbH (Aachen)
- **Prof. Dr.-Ing. Min-Kyu Paek**, Institute of Metallurgy, Clausthal University of Technology
- **Prof. Dr. Aleš Ude**, Jožef Stefan Institute (Slovenia)

Call for Papers

If you would like to participate in the Mini Workshop with a **presentation** or a **poster**, we would be pleased if you could submit an **abstract of approx. 1/3 page by May 4, 2026** (see contact details below). The aim of the Mini Workshop is deliberately to present and discuss research projects in progress; doctoral students in particular are cordially invited to present their research projects.

Schedule

Thursday, June 11, 2024

9:00	Get together at lecture hall building of Institute for Informatics, TU Clausthal
9:30	Welcome address
9:40	Keynote & Session 1
11:10	Coffee break
11:30	Session 1 – Part 2

12:30	Lunch at TU Clausthal Mensa
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14:00	Keynote & Session 2
15:30	Coffee break
15:50	Session 2 – Part 2
16:30	Poster session and strategy discussion for SWZ

19:00	Group dinner, at restaurant Ju Bin Lou restaurant in Clausthal-Zellerfeld
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Friday, June 12, 2024

9:00	Get together at lecture hall building of Institute for Informatics, TU Clausthal
9:20	Keynote & Session 3
11:10	Coffee break
11:30	Session 3 – Part 2
12:10	Summary and conclusion of the workshop

12:30	Lunch at TU Clausthal Mensa
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Lunch and dinner have to be paid for by the participants themselves, but there is no conference fee.

Organizing Committee

- **Jun.-Prof. Dr. Robert Brederick**, Institute for Informatics, Clausthal University of Technology
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- **Dr. Anita Just**, Department of Anesthesiology, University Medical Center Göttingen, Georg-August University Göttingen
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- **Prof. Dr. Nina Merkert**, SWZ, Clausthal University of Technology
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- **Dr. Robert Mettin**, 3rd Physics Institute, Georg-August University Göttingen
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- **Dr.-Ing. Daniel Thürmer**, SWZ, Clausthal University of Technology
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- **Prof. Dr. Florentin Wörgötter**, 3rd Physics Institute, Georg-August University Göttingen
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Contact for questions and abstract submission

Both the SWZ office and the local workshop organization in Göttingen will be happy to answer any questions and to submit abstracts:

Local organisation

Prof. Dr. Nina Merkert

Chairwoman of the Board of Directors of
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We look forward to receiving your submissions and welcoming you to Clausthal in June!