

scales 2023

Multiscale Modeling of Complex Systems

1st SCALES Conference, 27–30 June 2023

Johannes Gutenberg University, Mainz, Germany



Topics include methods relevant to multiscale modelling of problems in atmospheric and geological sciences, soft-matter physics and biology:

1. Stochastic models
2. HPC and ML
3. UQ and inverse methods
4. Multiscale methods
5. Interdisciplinary applications

**Pre-conference Workshop
JGU Mainz, 26 June 2023:**

HPC using JULIA
by L. Räss, ETH Zurich &
B. Kaus, JGU Mainz

Registration deadline: April 30th

Abstract submission deadline: April 17th

<https://converia.uni-mainz.de/>

Invited Speakers:

- Eitan Tadmor, Univ. of Maryland
- Taras Gerya, ETH Zurich
- Maribel Núñez Valdés, GFZ Potsdam
- Masao Doi, Beihang Univ. Beijing
- Markus Deserno, Carnegie Mellon Univ.
- Wojciech Gabrowski, NCAR Boulder
- Alexandre Tkatchenko, Univ. Luxembourg
- George Karniadakis, Brown Univ.
- Nikki Vercauteren, Univ. of Oslo
- Benjamin Gess, MPI Leipzig
- Robert Scheichl, Univ. Heidelberg
- Albert Cohen, Sorbonne Univ. Paris
- Gerhard Hummer, MPI Frankfurt
- Virginie Ehrlacher, Paris Tech
- Heini Wernli, ETH Zurich
- Ludovic Räss, ETH Zurich
- Dave May, UCSD

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