

## Proposed themes

The topics will include, but are not limited to

- Scientific and engineering computing
- Modelling and simulation
- High performance computing
- Computational optimisation
- Computational fracture
- Phase-field modelling
- Space-time formulations
- Data-driven modelling
- Uncertainty quantification
- Machine learning and Artificial Intelligence
- Reduced order modelling

## Additional information

The workshop is completely based on ZOOM, so no travel expenses or any other fees are required. We will provide a timetable and organize the technical framework.

We ask for active participation especially by young female researchers within this workshop.

## About the workshop

The CSE online workshop has been developed within the Corona pandemic to create a forum for young scientists to present their latest developments in the area of CSE, to discuss them and to connect to other young scientists within Germany and abroad.

Maintaining this forum as a cost effective approach with entry requirements adjusted to young academics in their PhD phase allows to meet on a yearly basis outside traditional conferences. Promotion and supporting young researchers is one of our key objectives as activity group within the GAMM, which we intend to carry on in the field of Computational Science and Engineering. This by definition interdisciplinary field of research depends heavily on the interaction between various groups, scattered throughout Germany and abroad.

Therefore, discussions are given more space within the schedule as usual allowing to extensive interaction of the participants.

## How to apply

Please send a half page abstract to [christian.hesch@uni-siegen.de](mailto:christian.hesch@uni-siegen.de). We will inform you about the acceptance and schedule one week after end of registration (01. November 2023). For any further question, do not heisted to ask one of the organizers directly. You will find us on <https://www.mb.uni-siegen.de/nm/gamm-cse> under the tab "Contact".

## Talks

Talks will be presented in English. Every talk is 20 minutes long and 10 minutes open for discussion. Note that depending on the number of registered talks we will extent the workshop until November, 24th.



GAMM Fachausschuss  
Computational Science and Engineering (CSE)

# CSE Online Workshop 2023

Coordinated by

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Registration until 01. November 2023

Talks on Friday, 13:00-15:00  
November, 10th and 17th, 2023