



October 16 – 18, 2023

Monday, October 16

11:30 – 12:00 *Arrival*

12:00 – 13:30 *Lunch*

Session 1 (Chair: Martin Hanke-Bourgeois)

13:45 – 14:00 *Opening remarks*

14:00 – 14:30 Simon Schneider

14:30 – 15:00 Noemi Naujoks Diffraction tomography and inversion with beams

15:00 – 15:30 Manfred Faldum A space-time adaptive low-rank method for
high-dimensional parabolic PDEs

15:30 – 16:30 *Coffee break & room occupation*

Session 2 (Chair: Andrea Thomann)

16:30 – 17:00 Niklas Bockius

17:00 – 17:30 Maximilian Braun

17:30 – 18:00 Fawad Malik Inverse acoustic scattering via rational
approximations

18:00 – 19:00 *Dinner*

Tuesday, October 17

Session 3 (Chair: Maria Lukacova)

9:00 – 10:00 Eduard Feireisl Dissipative vs. conservative systems in fluid
dynamics

10:00 – 10:30 Andreas Schömer

10:30 – 11:00 *Coffee break*

Session 4 (Chair: Stephan Gerster)

11:30 – 12:00 Viktor Klippenstein A Gauss-Newton type method for Markovian
embedding in many-body systems

11:00 – 11:30 Niklas Wolf Enforcing cross-correlations to the conservative
force in a generalized Langevin thermostat

12:00 – 12:30 Fabio Frommer

12:30 – 14:00 *Lunch*

14:00 – 18:00 *Hike*

18:30 – 19:30 *Dinner*

Wednesday, October 18

Session 5 (Chair: Eduard Feireisl)

9:00 – 9:30 Hendrik Ranocha

9:30 – 10:00 Joshua Lampert Structure-preserving numerical methods for dispersive shallow water models

10:00 – 10:30 Marco Artiano Performance and error analysis of structure preserving time-integration procedures for incompressible flows

10:30 – 11:00 *Coffee break*

Session 6 (Chair: Aaron Brunk)

11:00 – 11:30 Sebastian Bleecke

11:30 – 12:00 Andrea Thomann

12:00 – 13:30 *Lunch*

Session 7 (Chair: Hendrik Ranocha)

13:30 – 14:00 Aaron Brunk Variational modeling and structure-preserving approximation of a non-isothermal phase-field model for sintering

14:00 – 14:30 Stephan Gerster

14:30 *Departure*
