



Session 1: Wednesday, 2025-10-15 (Chair: Hendrik Ranocha)

10:00 – 10:05	<i>welcome</i>	
10:05 – 11:10	Eduard Feireisl	Singular limits for Rayleigh-Benard convection problem
11:10 – 12:00	Evangelos Moulas	Petrology as an ill-posed problem
12:00 – 13:30	<i>lunch</i>	

Session 2: Wednesday, 2025-10-15 (Chair: Martin Hanke-Bourgeois)

13:30 – 14:10	Simon Boisserée	Analysis and numerics of nonlinear PDE systems in porous media flow models
14:10 – 14:50	Maximilian Braun	The generalized Langevin equation in a harmonic potential
14:50 – 16:00	<i>coffee break, room occupation</i>	

Session 3: Wednesday, 2025-10-15 (Chair: Mária Lukáčová-Medvidová)

16:00 – 16:40	Arpit Babbar	Compact Runge-Kutta methods for non-conservative hyperbolic equations
16:40 – 17:20	Mingye Na	Fifth-order A-WENO schemes based on the path-conservative central-upwind method
17:20 – 18:00	Jiahui Zhang	Well-balanced path-conservative discontinuous Galerkin methods with equilibrium preserving space for two-layer shallow water equations
18:00 – 19:30	<i>dinner</i>	

Session 4: Thursday, 2025-10-16 (Chair: Peter Spichtinger)

08:40 – 09:20	Hannah Bergner	Ice clouds as dynamical systems
09:20 – 10:00	Antonio Torregrosa-Abellan	Population balance equations for cloud hydrometeors
10:00 – 10:40	<i>coffee break</i>	
10:40 – 11:20	Tobias Sparmann	Path integrals for cloud physics
11:20 – 12:00	Marco Artiano	Structure-preserving high-order methods for the compressible Euler equations in potential temperature formulation for atmospheric flows
12:00 – 13:30	<i>lunch</i>	

Session 5: Thursday, 2025-10-16 (Chair: Hendrik Ranocha)

13:30 – 14:10	Dennis Schumann	Structure-preserving approximation of non-isothermal phase-field models
14:10 – 18:00	<i>hiking (similar to the linked blogpost) and discussions</i>	
18:00 – 19:30	<i>dinner</i>	

Session 6: Friday, 2025-10-17 (Chair: Kai Werth)

08:40 – 09:20	Vincent Marks	Modeling Lab Course 2025
09:20 – 10:00	Lukas Weißenfels	Stochastic modeling from autocorrelation data using methods from control theory
10:00 – 10:40	<i>coffee break</i>	

Session 7: Friday, 2025-10-17 (Chair: Eduard Feireisl)

10:40 – 11:20	Megala Anandan	Error estimates of an asymptotic preserving finite volume method for the barotropic Euler system
11:20 – 12:00	Saurav Samantaray	Asymptotic-preserving penalized IMEX-RK schemes for the Euler-Poisson system in the quasineutral limit
12:00 – 13:00	<i>lunch</i>	
13:15	<i>departure</i>	
