

**Program September 12th to 14th**

**Wednesday, September 12th**

10:50–11:10 Arrival

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Session 1 *Chair: Hanke-Bourgeois*

11:10–11:40 Markus Bachmayr Computational complexity of adaptive methods for random PDEs

11:50–12:20 Martin Dönges Tensor networks and highdimensional eigenvalue problems

12:30–13:30 *Lunch (Menu)*

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Session 2 *Chair: Spichtinger*

14:00–14:30 Nikolas Porz A semi-implicit time integration scheme for warm cloud micro physics

14:40–15:10 Yvonne Ruckstuhl State and parameter estimation using modifications of the Ensemble Kalman Filter

15:20–16:00 *Coffee, Cake*  
*Room occupation*

16:00–16:30 Maria Lukacova Convergence of finite volume methods for the Euler equations via dissipative measure-valued solutions

16:40–17:10 Aaron Brunk Analysis and numerics of a two-phase viscoelastic phase separation model of Peterlin-type

17:20–17:50 Paul Strasser Numerical analysis and simulation of viscoelastic phase field models for polymer-solvent mixtures

**Thursday, September 13th**

08:00–09:00 *Breakfast (Buffet)*

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Session 3 *Chair: Schneider*

09:00–09:30 Fabio Frommer The Henderson-problem

09:40–10:10 Julian Frech Error analysis of stochastic Stokes and Navier-Stokes equation

10:20–10:40 *Coffee*

10:40–11:10 Manuel Baumgartner Homogeneous nucleation from an asymptotic point of view

11:20–11:50 Juliane Rosemeier Combing a stroboscopic method with the spectral deferred correction method

12:00–13:00 *Lunch (Menu)*

13:20–18:30 *Hike* Train to Lorch 13:36, track 2; Rheinsteig Etappe 6

19:00–22:00 *Social Event*

## Friday, September 14th

08:00–08:30 *Breakfast (Buffet)*

08:30–09:00 *Leaving the rooms*

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Session 4		<i>Chair: Bachmayr</i>
09:00–09:30	Van Kien Nguyen	Identifiability of diffusion coefficients for source Terms of non-uniform sign
09:40–10:10	Sebastian Krämer	Stable low-rank and off-grid approximate interpolation in tree tensor formats
10:20–10:40	<i>Coffee</i>	
10:40–11:10	Bettina Wiebe	A stochastic Galerkin method for cloud simulation
11:20–11:50	Simon Schneider & Andreas Schömer	Uncertainty quantification for a cloud model
12:00–13:00	<i>Lunch (Menu)</i>	
Session 5		<i>Chair: Lukacova</i>
13:00–13:30	Mara Czich	A stochastic predator-prey model
13:40–14:10	Tobias Kremer	Algorithmic detection of coherent air streams in tropical storm Karl
14:20–14:50	<i>Coffee, Cake</i>	
14:50–15:20	Raul Borsche	Kinetic layers and coupling conditions for hyperbolic PDEs on networks
15:30–16:00	Ankit Ruhi	Continuum-kinetic hybrid model for complex fluids