

# Kompaktseminar 2016 Bad Münster am Stein-Ebernburg



Program September 14th to 16th

## Wednesday, September 14th

09:00-09:30 *Arrival*

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### Session 1

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09:30-10:00	Natascha Nitzl	Numerical Treatment of Risk Models.
10:10-10:40	Tobias Stein	Regularized Linear Regression and Variable Selection with the LASSO.
10:50-11:10	<i>Coffee</i>	
11:10-11:40	Martin Dönges	Numerical Optimization of Tensor Networks.
11:50-12:20	Alexandra Musahl	Identification of Chemical Reaction Networks.
12:30-13:30	<i>Lunch (Menu)</i>	

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### Session 2

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14:00-14:30	Stefanie Hollborn	Keeping up with the Weather.
14:40-15:10	Tijana Janjic Pfander	Ensemble Kalman Filter Algorithms.
15:20-16:00	<i>Coffee, Cake</i> <i>Room occupation</i>	
16:00-16:30	Bettina Wiebe	The Euler Equations Coupled with a Cloud Model.
16:40-17:10	Nikolas Porz	Online Parameter Identification on a Cloud Model.
17:20-17:50	Kai Werth	Snow vs Clouds.
18:00	<i>Dinner (Buffet)</i>	

## Thursday, September 15th

08:00-09:00 *Breakfast (Buffet)*

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### Session 3

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09:00-09:30	Juliane Rosemeier	Modelling of Microphysical Processes in Clouds.
09:40-10:10	Patrik Marschalik	Asymptotic Methods for Multiscale Problems in the Atmosphere.
10:20-10:40	<i>Coffee</i>	
10:40-11:10	Nehzat Emamy	Report on the Development of a Heterogeneous Multi-Scale Solver for Simulation of Complex Fluid Flows.
11:20-11:50	Anna Hundertmark	A Fixed Point Method for a Fluid-Structure Interaction Problem and its Convergence.
12:00-13:00	<i>Lunch (Menu)</i>	
13:00-13:15	<i>Group Photo</i>	
13:15-18:00	<i>Hike</i>	
18:00-22:00	<i>Barbeque</i>	

## Friday, September 16th

08:00–08:30 *Breakfast (Buffet)*

08:30–09:00 *Leaving the rooms*

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### Session 4

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09:00–09:30 Manuel Baumgartner The Concept of Saturation Adjustment in Cloud Models.

09:40–10:10 Jiequan Li A Two-Stage Fourth Order Time-Accurate Discretization for Lax-Wendroff Type Flow Solvers.

10:20–10:40 *Coffee*

10:40–11:10 Alexej Disterhoft Hybrid Particle-Continuum Simulation of Polymers.  
11:20–11:50 Nikolaos Sfakianakis (Re-)modeling.

12:00–13:00 *Lunch (Menu)*

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### Session 5

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13:00–13:30 Lukas Holbach Geodynamic Inversion Using the Adjoint Method.

13:40–14:10 Fabrice Delbary Determining a Pair Potential from a Radial Distribution Function.

14:20–15:00 *Coffee, Cake*

15:00–15:30 Benjamin Müller Jacobi-Davidson with Multigrid for Lattice QCD.

15:40–16:10 Paolo Ghinassi Identifying Rossby Wave Packets Using Local Finite Amplitude Wave Activity.

16:20–17:00 *Departure*