

Conference

”Perspectives in Applied Mathematics” in Honor of Felix Otto

May 26 – 29, 2026

organized by

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Theo Sturm, Maria G. Westdickenberg

• Tuesday, May 26

08:00 - 08:45	<i>Self Registration</i>
08:45 - 09:00	Opening remarks
09:00 - 09:50	Luigi Ambrosio Well posedness of ODE’s for nonsmooth velocities and in non Euclidean ambient spaces: a survey
10:00 - 10:50	Panagiotis Souganidis Large deviations for the eigenvalues of large random matrices
10:50 - 11:30	<i>Coffee break and group photo</i>
11:30 - 12:20	Svitlana Mayboroda Free boundary problems associated to partially reflective Brownian motion
12:20 - 14:30	<i>Lunch Break</i>
14:30 - 15:20	Bjoern Bringmann Construction of the 2D Yang-Mills-Higgs measure
15:20 - 16:00	<i>Coffee Break</i>
16:00 - 16:50	Mitia Duerinckx Batchelor’s formula and infra-red renormalization for sedimentation
17:00 - 17:50	Nicolas Perkowski Energy Lagrangian flows for singular SPDEs and applications
18:00 - 20:00	<i>Reception at the Mathematics Center at Endenicher Allee 60 Bonn</i>

• **Wednesday, May 27**

09:00 - 09:50	Camillo DeLellis Boundary Plateau laws
10:00 - 10:50	Adriana Garroni Phase-field model for polycrystals
10:50 - 11:30	<i>Coffee break</i>
11:30 - 12:20	Jiangfeng Lu Quantitative hypocoercive convergence estimates for underdamped Langevin equations
12:20 - 14:30	<i>Lunch break</i>
14:30 - 15:20	Antonin Chambolle "Flow matching" and optimal transport
15:20 - 16:00	<i>Coffee break</i>
16:00 - 16:50	Peter Constantin Radiation and reconnection
17:00 - 17:50	Hendrik Weber Solving the stochastic porous medium equation with regularity structures

• **Thursday, May 28**

09:00 - 09:50	Andrea Nahmod Invariant Gibbs measures, propagation of randomness and the theory of random tensors for NLS
10:00 - 10:50	Alexander Mielke Fast-slow gradient systems and non-equilibrium steady states
10:50 - 11:30	<i>Coffee break</i>
11:30 - 12:20	Alessio Figalli The De Giorgi conjecture for the free boundary Allen–Cahn Equation
12:20 - 14:30	<i>Lunch break</i>
14:30 - 15:20	John Ball Highly irregular microstructures and TN configurations
15:20 - 16:00	<i>Coffee break</i>
16:00 - 16:50	Julian Fischer Quantitative stochastic homogenization of nonlinear material models
16:50 - 17:50	<i>Welcome remarks</i>

• **Friday, May 29**

09:00 - 09:50	Martin Hairer TBA
10:00 - 10:50	Barbara Zwicknagl TBA
10:50 - 11:30	<i>Coffee break</i>
11:30 - 12:20	Selim Esedoglu Algorithms for triple junction drag, surface grooving, and sintering
12:30 - 13:20	Yann Brenier Recent examples of non-markovian behaviour in nonlinear PDEs
<i>afterwards</i>	<i>Closing</i>