

Monday 16/09

8:15-8:50 Registration

8:50-9:00 Opening

9:00-9:50 M.G. Mora - Shape optimization for nonlocal anisotropic energies

9:50-10:40 E. Wiedemann - Strong convergence of vorticity in the 2D incompressible viscosity limit

10:40-11:10 Coffee Break

11:10-11:35 W. van Oosterhout - Linearization of finite-strain poro-viscoelasticity with degenerate mobility

11:35-12:00 M. Gau - Dimension reduction of a thermo-visco-elastic problem at small strains

12:00-14:00 Lunch

14:25-14:50 D. Engl - A variational perspective on auxetic metamaterials of checkerboard type

14:50-15:15 M. Kniely - Equilibrium solutions to thermodynamically correct electro-energy-reaction-diffusion systems

15:15-15:40 T. Dohnal - Standing waves at a material interface in nonlinear Maxwell equations

15:40-16:10 Coffee Break

Tuesday 17/09

9:00-9:50 D. Knees - Regularity results for a static relaxed micromorphic model

9:50-10:40 S. Almi - A fractional approach to strain-gradient plasticity

10:40-11:10 Coffee Break

11:10-11:35 A. Molchanova - Linearization in magnetoelasticity

11:35-12:00 G. Heinze - Fast-slow limits for gradient flows on metric graphs

12:00-14:00 Lunch

14:00-14:50 J. Fischer - Quantitative stochastic homogenization of energies in fracture mechanics

14:50-15:15 J. Ingmanns - Quantitative homogenization of forced mean curvature flow through a random field of obstacles

15:15-15:40 R. Grande - A convergence result for the horizontal mean curvature flow

15:40-16:10 Coffee Break

16:10-16:35 D. Wiedemann - Homogenisation of local colloid evolution induced by reaction and diffusion

16:35-17:00 F. Riva - Inertial Balanced Viscosity (IBV) solutions to rate-independent systems.

Wednesday 18/09

9:00-9:50 M. Kampschulte - Variational methods for dynamical PDEs

9:50-10:40 R. Zacher - Li-Yau and Harnack estimates for nonlocal diffusion problems

10:40-11:10 Coffee Break

11:10-11:35 A. Vikelis - Measure-valued solutions for non-associative finite plasticity

11:35-12:00 R. Voso - Weighted Energy-Dissipation approach to semilinear gradient flows with state-dependent dissipation

12:00-14:00 Lunch

14:00-14:50 R. Rossi - Gradient flow formulations for jump processes in metric spaces

14:50-15:15 E. Kokavcová - On different constitutive relations and boundary conditions for fluids

15:15-15:40 M. Morandotti - Dynamics of wedge disclinations

15:40-16:10 Coffee Break

16:10-17:10 Activity group meeting

19:00 Social Dinner at Strahov Monastery Brewery

Thursday 19/09

9:50-10:40 E. Zappale - Measure-valued structured deformations

10:40-11:10 Coffee Break

11:10-12:00 B. Kirchheim - Convexity and uniqueness in the Calculus of Variations

12:00 Closing