

## SCHEDULE LIA COPDESC WORKSHOP 2019

Time	Monday, 25.03.2019	
13:15 - 13:55	Antonin Chambolle	Minimizers of the Griffith energy
13:55 - 14:35	Adriana Garroni	Variational models for material defects in solids
14:35 - 15:00	Francesco Della Porta	A moving mask hypothesis to select physically relevant microstructures
15:00 - 15:40	<i>COFFEE BREAK</i>	
15:40 - 16:20	Joachim Escher	The Rayleigh-Taylor condition for the Muskat Problem
16:20 - 17:00	Francesca Crispo	Some remarks on the partial regularity of a suitable weak solution to the Navier-Stokes Cauchy problem
17:00 - 17:25	Jehan Oh	Regularity for multi-phase variational problems
17:25 - 17:50	Oliver Tse	Dynamical-variational transport costs: Towards a framework for "generalised" gradient flows
Time	Tuesday, 26.03.2019	
08:30 - 09:10	Enrique Zuazua	Dynamics and control for multi-agent networked systems
09:10 - 09:50	Stefan Ulbrich	Optimal boundary control of hyperbolic conservation laws with state constraints
09:50 - 10:15	Stephanie Thomas	Optimal control of a rate-independent system constrained to balanced viscosity solutions
10:15 - 10:50	<i>COFFEE BREAK</i>	
10:50 - 11:30	Filippo Santambrogio	New estimates for the JKO scheme
11:30 - 12:10	Maurizio Grasselli	Diffuse interface models for incompressible binary fluids with moving contact lines
12:10 - 12:35	Artur Stephan	Evolutionary Gamma-convergence for a linear reaction-diffusion system with different time scales
12:35 - 14:00	<i>LUNCH</i>	
14:00 - 14:40	Olivier Glass	One-side boundary controllability of the p-system
14:40 - 15:20	Marius Tucsnak	The piston problem: well-posedness, stability and controllability
15:20 - 15:45	Matthias Ruf	From the N-clock model to the XY-model: emergence of concentration effects in the variational analysis
15:45 - 16:30	<i>COFFEE BREAK/POSTER SESSION</i>	
16:30 - 17:10	Benedikt Wirth	Variational models for transportation networks: weak-* relaxation and flat chains
19:30	<i>CONFERENCE DINNER</i>	

Time	Wednesday, 27.03.2019	
08:30 - 09:10	Riccarda Rossi	Visco-Energetic solutions to rate-independent systems, with applications to brittle fracture
09:10 - 09:50	Lorenzo Giacomelli	A nonlinear fourth-order approximation of forward-backward parabolic equations
09:50 - 10:15	Giorgio Saracco	The Cheeger problem of a Jordan domain without "necks"
10:15 - 10:50	<i>COFFEE BREAK</i>	
10:50 - 11:30	Anna Dall'Acqua	On the elastic flow
11:30 - 12:10	Emil Wiedemann	Measure-Valued Solutions for Fluids and Biology
12:10 - 12:35	Antonella Ritorto	Shape optimization problems involving the fractional Laplacian
12:35 - 14:00	<i>LUNCH</i>	
14:00 - 14:40	Ilaria Fragala	Optimal partition problems and the honeycomb conjecture
14:40 - 15:20	Aldo Pratelli	Some existence and regularity results for an isoperimetric-type problem
15:20 - 16:15	<i>COFFEE BREAK</i>	
16:15 - 16:55	Didier Smets	Stability of vortex columns
16:55 - 17:35	Angkana Rüland	On the magnetic fractional Calderon problem

Time	Thursday, 28.03.2019	
08:30 - 09:10	Lars Diering	Boundary Values of Functions with Bounded Deviatoric Variation
09:10 - 09:50	Stefan Neukamm	Quantitative homogenization in nonlinear elasticity
09:50 - 10:15	Anna Kh. Balci	Higher Regularity of the p-Poisson Equation in the Plane
10:15 - 10:50	<i>COFFEE BREAK</i>	
10:50 - 11:30	Antoine Gloria	Effective equations for the Schrödinger flow in quasiperiodic scenery
11:30 - 12:10	Alexander Mielke	Effective kinetic relations and EDP convergence