

Time Table

Monday, October 08

10:45 – 11:15	Registration	
11:15 – 11:25	Opening	
11:25 – 12:10	Roberto Alessi	Modeling fatigue phenomena in brittle and ductile materials with a variational phase-field approach
12:10 – 12:35	Michele Marino	Virtual Element Method for the Homogenization of Polycrystalline Materials
12:35 – 13:00	Andro Mikelić	A phase-field model of a fluid-driven fracture in a nonlinear poroelastic medium
13:00 – 13:45	Lunch break	
13:45 – 14:10	Stefan Frei	Fluid-structure interactions with contact using Nitsche's method
14:10 – 14:35	Rolf Krause	An Immersed approach to Contact in Fluid Structure Interaction
14:35 – 15:00	Fabian Castelli	The Numerical Simulation of Phase Segregation in Electrode Particles of Lithium Ion Batteries
15:00 – 15:20	Coffee break 1	
15:20 – 16:05	Anna Pandolfi	A Class of Electro-Active Anisotropic Material Models
16:05 – 16:30	David Neusius	Evolutional problem for knitted rotationally symmetric shell reduced to a periodic strip of meshes
16:30 – 16:55	Marijo Milicevic	Discretization of BV -regularized damage model and convergence to semi-stable energetic solution
16:55 – 17:15	Coffee break 2	
17:15 – 17:40	Bernhard Endtmayer	Adjoined Based Error Estimation for Nonlinear Problems
17:40 – 18:05	Marco Favino	Multigrid methods for non-linear incompressible elasticity
18:05 – 18:30	Timo Heister	A parallel, adaptive software for phase-field fracture problems
19:30 – 21:00	Conference dinner	

Tuesday, October 09

09:00 – 09:25	Nicolas Pignet	A Hybrid High-Order method for incremental associative plasticity with small deformations
09:25 – 09:50	Blaž Hudobivnik	Gradient-Thermo-Plasticity using an Efficient Virtual Element Method (VEM)
09:50 – 10:15	Nima Noii	A Variationally Consistent Phase-Field Modeling of Brittle Fracture Applied to Pressurized and Non-isothermal Elastic Media
10:15 – 10:35	Coffee break 3	
10:35 – 11:20	Grégoire Allaire	Optimal design of lattice materials
11:20 – 11:45	Bo Yin	Fracture Simulation of Anisotropic Media by a Phase-Field Method
11:45 – 12:10	Christian Steinke	On Energetically motivated Branching characterized by a Directional Phase-field Split
12:10 – 12:55	Lunch break	
12:55 – 13:20	Maria Laura De Bellis	A VEM formulation of Scalar damage in 2D solids
13:20 – 13:45	Fadi Aldakheel	A Virtual Element Method for Crack Propagation
13:45 – 13:55	Coffee break 4	
13:55 – 14:20	Marreddy Ambati	A phase-field model for brittle fatigue fracture
14:20 – 14:45	Daniel Jodlbauer	Matrix-Free Solvers for Phase-Field Fracture Problems
14:45 – 15:10	Katrin Mang	A Phase-field Model for Fractures in Incompressible Solids
15:10 – 15:15	Closing	