

Projekt	Uhrzeit	Titel	Vortragender	weitere Anwesende aus diesem Projekt
<b>Mittwoch, 22.09.2021 (Chair: Klaus Hackl)</b>				
19	14:00 – 14:15	Phase-field fracture simulation of spalling experiments	Kerstin Weinberg	--
18	14:20 – 14:35	Volume-surface coupling in the homogenisations of brittle high-contrast materials	Peter Wozniak	Felix Ernesti, Alok Mehta, Matti Schneider
17	14:40 – 14:55	Dimension reduction in an atomistic model for thin brittle rods	Jiri Zeman	Bernd Schmidt
	15:00 – 15:30	PAUSE		
16	15:30 – 15:45	On the Energy Scaling Behaviour of a Singularly Perturbed Tartar Square	Antonio Tribuzio	Ankana Rüland
15	15:50 – 16:05	A comparative study of different finite element formulations for the relaxed micromorphic model	Mohammad Sarhil	Lisa Scheunemann, Patrizio Neff, Jörg Schröder
14	16:10 – 16:25	Balanced-Viscosity solution for a Penrose-Fife model with rate-independent friction	Petr Pelech	Alexander Mielke, Matthias Liero
<b>Donnerstag, 23.09.2021 (Chair: Bernd Schmidt)</b>				
13	08:30 – 08:45	Rate independent systems: Analytic aspects and simulation of damage models	Samira Boddin Felix Roerentrop	Dorothee Knees Jörn Mosler
12	08:50 – 09:05	Variational formulations in the non-isothermal thermo-chemo-mechanics of nonlinear materials --- Recent developments	Stefan Prüger	Björn Kiefer, Oliver Rheinbach, Stephan Roth, Friederike Röver
11		Entschuldigt !		
02	09:10 – 09:25	First approaches for strain softening based on relaxed incremental continuum damage formulations at finite strains	Maximilian Köhler	Daniel Balzani, Malte Peter, David Wiedemann, Timo Neumeier
	09:30 – 10:00	PAUSE		
10	10:00 – 10:15	Construction of dipole singularity pairs for a non-linear Cosserat elasticity model	Vanessa Hüsken	Andreas Gastel
09	10:20 – 10:35	Variational quantitative phase-field modeling of non-isothermal sintering process	Bai-Xiang Xu Herbert Egger	Timileyin David Oyedeji, Vsevolod Shashkov
07	10:40 – 10:55	Analytical and numerical study of energies in pressure dependent plasticity	Florian Behr Ghina Jezdan	Georg Dolzmann, Klaus Hackl

11:00 – 12:30 Internes Treffen der PI und der YR (parallel)

### Wissenschaftliches Symposium

14:00 – 15:00 Phase-field approximation of cohesive fracture energies      Flaviana Iurlano      (Chair: Dorothee Knees)

15:00 – 15:30 PAUSE

15:30 – 16:30 Three new contributions to phase-field modeling of brittle fracture      Laura De Lorenzis      (Chair: Jörn Mosler)

### Freitag, 24.09.2021 (Chair: Georg Dolzmann)

06	08:30 – 08:45	Dislocation line tension and structure in random solid solutions	Le Thi Hoa,	Wolfram Nöhring, Lars Pastewka,
05	08:50 – 09:05	Twinning with variable volume fraction	Sergio Conti	
04	09:10 – 09:25	The impact of perimeter penalization on compliance minimization under hydrostatic pressure	Jonathan Fabiszisky	Peter Bella, Benedikt Wirth
	09:30 – 10:00	weitere Diskussion / PAUSE		
03	10:00 – 10:15	A history surrogate method for the data driven treatment of time dependent problems	Ben Schweizer	Adrien Ceccaldi
01	10:20 – 10:35	Finite Element Approximation of Thin Sheet Folding Problems	Phillipp Tscherner	Soeren Bartels

Anschließend Treffen aller Mitarbeitenden, Austausch der Ergebnisse der internen Diskussionen vom Donnerstag, Perspektiven für das SPP