

Mittwoch, 08.10.2025

12:00 - 13:15	REGISTRATION WITH COFFEE AND TEA
13:15 - 13:30	OPENING
13:30	Jürgen Sprekels (Berlin) On a nonisothermal phase transition model with nonconserved order parameter
14:10	Pierluigi Colli (Pavia) Temperature distribution in a nonisothermal Cahn-Hilliard system with thermal memory
14:50	Heinrich Freistühler (Konstanz) On phase boundaries in relativistic Korteweg fluids
15:15	Jürgen Fuhrmann (Los Angeles-online) Thermodynamically consistent finite volume methods for generalized Nernst–Planck–Poisson problems
15:40 - 16:10	COFFEE BREAK
16:10	Alex Kaltenbach (Berlin) Analysis and numerics for an optimal insulation problem on polyhedral domains
16:35	Marita Thomas (Berlin) Analysis of visco-elastoplastic two-phase flows in geodynamics
17:15	Gerald Warnecke (Magdeburg) Balance laws and transport theorems for flows with singular interfaces
17:40	Torsten Hauck (Berlin) Elastic-plastic-creep deformation and damage in Sn-Ag-Cu solder alloys

Donnerstag, 09.10.2025

09:00	Alexander Mielke (Berlin) Thermodynamical and mathematical principles for energy-electro-reaction-diffusion systems
09:40	Tommaso Ruggeri (Bologna) The maximum entropy principle in nonequilibrium thermodynamics: A brief history and the contributions of Wolfgang Dreyer
10:20 - 10:50	COFFEE BREAK
10:50	Michal Pavelka (Prag) Smoothed particle hydrodynamics for complex fluids
11:30	Bilen Emek Abali (Uppsala) Damage modeling in batteries by coupling lithiation and mechanics by means of a finite element method
12:10 - 13:30	LUNCH
13:30	Jan Giesselmann (Darmstadt) Error analysis of a finite volume approximation of cross-diffusion models of ion transport
13:55	Chiara Gavioli (Prag) Bounded speed of propagation in porous media under gravity field
14:35	Holm Altenbach (Magdeburg) Generalized continua - advantages and limitation
15:00 - 15:30	COFFEE BREAK
15:30	Samuel Forest (Paris) Phase-field Cosserat modelling of grain boundary-pore interaction
16:10	Frank Duderstadt und Thomas Böhlke (Kiel/Karlsruhe) A common form of Gibbs free energy for liquids and solids
16:35	Rüdiger Müller (Würzburg) Evaluation of a novel Debye-Hückel-type model based on classical tests of electrolyte theory
17:00	Dieter Bothe (Darmstadt) Sharp-interface continuum-thermodynamical modeling of two-phase multicomponent fluid systems
18:00 - 20:00	FINGERFOOD AND DRINKS RECEPTION: BIBLIOTHEK
	u.a. mit Bildvortrag - Geschichten über/durch/mit Wolfgang Dreyer

Freitag, 10.10.2025

09:00	Maren Hantke (Halle) Baer-Nunziato model at pressure equilibrium
09:40	Lucca Nikita Schek / Florian Massing / W.Müller (Berlin) Anisotropic directors in nonlinear Cosserat continua
10:05	Manuel Torrilhon (Aachen) Maximum entropy
10:30 - 11:00	COFFEE BREAK
11:00	Maria Heckl (Keele) Which frequency bands are responsible for noise-induced triggering of thermoacoustic instabilities?
11:40	Alfons Noe (Soest) Temperature, crystallization, warpage and residual stress in an additively manufactured disk stack of polyamide 12 by continuum modeling and FE analyses
12:05	Ferdinand Thein (Mainz) Results for the relativistic Euler equations with synge energy
12:30	Evren Belenlioğlu (Bursa) Constitutive equations for non-linear isotropic elastic solids of limited compressibility
12:55 - 13:10	CLOSING