



GAMM2025

Tuesday 8 April 2025

**PP03: Variational Methods for Predicting Complex Phenomena in Engineering Structures and Materials: PP03.01 - Room 8 (14:00 - 16:00)**

-Conveners: Dorothee Knees; Klaus Hackl

time	[id] title	presenter
14:00	[731] Material Design for Multiple Loads	SOMMELLA, Lorenzo
14:20	[732] Predicting plastic activity in disordered solids via geometric measures	SHEKH ALSHABAB, Somar
14:40	[733] A dimensionally reduced capillary problem and its phase-field approximation	SCIARAFFIA, Luciano WANG, Yizhen
15:00	[734] Arclength methods and dissipative processes – Analysis and numerical experiments	RÖRENTROP, Felix
15:20	[735] Towards dynamic phase-field fracture in finite strains	TORNQUIST, Sven
15:40	[736] Computational Semiconvexification for Relaxation in Isotropic Damage	NEUMEIER, Timo