

Pre-nominated Session SM12

Material instabilities

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Paper ID	Title	Authors
SM12L_10265	Material Instabilites in Thermo - Mechanical Processes	Ahmed Benallal, Davide Bigoni
SM12S_10314	Dynamical Systems Theory in Material Instabilities	Peter B. Beda
SM12S_10867	An Idea and Theory of Hypothetical Device for Investigating the Localization Phenomena	Eugene I. Ryzhak
SM12L_10996	Incremental Energy Minimization in Material Instability Problems	Henryk Petryk, Klaus Thermann
SM12L_11254	Dynamics of Perturbations and Shear Band Instabilities	Bigoni Davide, Capuani Domenico
SM12L_11277	On Convexity Conditions in Spatial and Material Settings of Hyperelasticity	Paul Steinmann, Ellen Kuhl, Harm Askes
SM12L_11432	Computational Characterization of Micro - to Macroscopic Mechanical Behavior of Carbon Black - Filled Rubber	Yoshihiro Tomita, Wei Lu, Yasuhiro Furutani
SM12L_11705	Material Instabilities of Fiber - Reinforced Nonlinearly Elastic Solids	Jose Merodio, Ray W. Ogden
SM12L_12025	Ultrastiff Elastic Composites via Negative Stiffness Inclusions, and Material Stability Implications	Walter J. Drugan
SM12S_12223	Stability of Ideal Infinite Crystal Under Finite Uniform Deformation	Pavel V. Tkachev
SM12S_12419	Explosive Instabilities in a Class of Hyperelastic Materials with Higher - Order Gradients	Igor Dobovsek
SM12L_12682	On the Concept of "Dynamic (In)Stablility of Quasi - Static Paths"	Joao A. C. Martins, F. M. F. Simoes, A. Pinto da Costa, Isabel Coelho
SM12L_12751	Strain Localization at the Brittle - Ductile Transition of the Earth's Continental Crust.	Yves M. Leroy, Frédéric Gueydan, Laurent Jolivet