

Pre-nominated Session SM4

Damage mechanics

Co-Chair(s): **M. Chrzanowski (Poland)**
 P. Steinmann (Germany)

Paper ID	Title	Authors
SM4S_10011	Stability and Creep Damage of Quasi - Brittle Materials	Noel Challamel, Christophe Lanos, Charles Casandjian
SM4L_10456	Modeling of the Damage Evolution at the Granular Scale in Polycrystals under Complex Cyclic Loadings	A. Abdul-Latif, M. Chadli
SM4L_10865	Continuumthermodynamic and Variationalmodeling and Simulation of Ductile Failure at Large Deformation with Application to Engineering Structures	Bob Svendsen, Frederik Reusch, Dietmar Klingbeil
SM4S_10960	Material Models for Hookean Materials with Voids or Cracks	Kari Santaoja, Anniina Kuistiala
SM4L_10961	Localized Necking Criterion Based on Acoustic Tensor for Materials with Anisotropic Damage	C. L. Chow, M. Jie
SM4L_10974	An Elasto - Viscoplastic Model Coupled to Damage and Grain Growth to Take Account of Material Variability	Benoit Vereecke, Rene Billardon
SM4L_11228	Damage and Failure of Brittle Solids	Andrzej Litewka, Leszek Szojda
SM4L_11406	Numerical Analysis of Nonlocal Anisotropic Continuum Damage	Sabine Ricci, Michael Brunig
SM4L_11414	Discrete Models and Their Application in Damagemechanics	Gian Antonio D'Addetta, Ekkehard Ramm
SM4L_11415	A Nonlocal Plasticity - Damage Formulation Based on the Micromechanics of Defect Growth	R. H. J. Peerlings, R. A. B. Engelen, M. G. D. Geers
SM4L_11665	Propagation of Cracks in Terms of Continuum Damage Mechanics	Adam Bodnar, Marcin Chrzanowski
SM4S_11779	An Asymptotic Analysis of Mode I Crack in Creepnig Damaged Solids	Larisa V. Stepanova, Maria E. Phedina

SM4L_11796	Damage Acquired Anisotropy in Elastic - Plastic Materials	Jacek J. Skrzypek, Halina Kuna - Ciskal, Jan Bielski
SM4L_11885	A CDM Approach of Ductile Damage with Plastic Volume Changes	J.L. Chaboche, K. Saanouni, M. Boudifa
SM4L_11886	Micromechanical Modelling of the Deformation and Damage of Inelastic Brittle Three - Phase Composites: Application to Fiber - Reinforced Concrete	A. Ouair, I. Doghri, J. Fr. Thimus, F. Hugel
SM4L_12021	Damage Field Identification using Full - Field Displacement Measurements	Damien Claire, Francois Hild, Stephane Roux
SM4L_12036	A New Energy - Based Elastoplastic Damage Model for Concrete	Jianying Wu, Jie Li
SM4L_12088	Lifetime Prediction with a Damage Model Based on Mixed-Mode Microcrack Propagation	Henning Schuette
SM4L_12116	A Micromechanically Based Network Model for Rubbery Polymers Incorporating Mullins - Type Stress Softening	Serdar Goektepe, Christian Miehe
SM4S_12277	Computational Micro - Meso Modeling for Laminates Under Thermomechanical Fatigue and an Oxidizing Atmosphere	Lubineau Gilles, Ladeveze Pierre
SM4S_12298	A Non-Associative Anisotropic Damage Model for Brittle Materials	Luigi Gambarotta, Ilaria Monetto
SM4S_12333	Robust Identification of an Augmented Gurson Model for Elasto-Plastic Porous Media	Andrzej Stachurski, Zdzislaw Nowak
SM4S_12335	Low Cycle Fatigue Based on Unilateral Damage Evolution	Artur Ganczarski
SM4L_12341	Coupled Meso-Macro Simulation of Masonry Cracking	T.J. Massart, R.H.J. Peerlings, M.G.D. Geers
SM4L_12749	Coupling Between Progressive Damage and Permeability of Concrete	George Chatzigeorgiou, Vincent Picandet, Abdelhafid Khelidj, Gilles Pijaudier-Cabot

