

Pre-nominated Session SM15

Mechanics of porous materials

Co-Chair(s): W. Ehlers (Germany)
 J.M. Huyghe (Netherlands)

Paper ID	Title	Authors
SM15L_10198	Biodegradation in Porous Landfill Bodies	Tim Ricken, Reint de Boer, Veronika Ustohalova, Renatus Widmann
SM15S_10790	Mandel and Cryer Problems For Fluid - Saturated Foams With Negative Poisson's Ratio	Michio Kurashige, Keiichi Sato, Kazuwo Imai
SM15L_10792	Localization and Stability of Unsaturated Soil	Wolfgang Ehlers, Martin Ammann, Tobias Graf
SM15L_11119	Convolution Quadrature Based Boundary Element Method for Quasi - Static Poroelasticity	Martin Schanz, Thomas Rueberg
SM15L_11194	Theory and Numerics of Multicomponent Mixture Models for Soft Biological Tissues	Bernd Markert, Wolfgang Ehlers, Ayhan Acartuerk, Nils Karajan
SM15L_11463	Probabilistic Homogenization of Hyperelastic Solid Foams	Joerg Hohe, Wilfried Becker
SM15L_11941	Coupling Between Permeability and Damage: a Micromechanical Approach	Luc Dormieux, Djimedo Kondo
SM15L_12114	Thermo - Hydro - Chemical - Mechanical Analysis of Concrete at High Temperatures	Stefano Dal Pont, B. A. Schrefler, A. Ehrlacher
SM15S_12358	FE - Investigations on Shear Localizations in Granular Bodies within Hypoplasticity	Tejchman Jacek
SM15S_12518	Modelling of Composites Processing Using a Two - Phase Porous Media Theory	Maciej Wysocki, Ragnar Larsson, Staffan Toll
SM15S_12566	Wave Propagation in High Porosity Bones-a Cellular Model	Pakula Michal, Kaczmarek Mariusz, Jozef Kubik
SM15S_12567	Soft Porous Media Model of Magnetic Fluid	Mariusz Kaczmarek, Tomasz Hornowski

SM15L_12577	Mechanics of Saturated High Porosity / Soft Materials	Jozef Kubik, Mariusz Kaczmarek, Michal Pakula
SM15S_12614	A Three Layer Porous Media Model of Cutaneous Circulation with Application to Mechanical Skin Irritation	Daniela Bauer, Reinhard Grebe, Alain Ehrlacher
SM15S_12713	Identification of Some Chemoporoelastic Parameters of a Reactive Shale from Experimental Data	J. Sarout, E. Detournay
SM15L_12771	Mesoscale Predictions for the Thermomechanics of Granular Energetic Composites	Michael W. Crochet, Keith A. Gonthier
SM15L_12903	The Structure of Constitutive Laws for Powder Metallurgical Components	Alan C. F. Cocks, Csaba I. Sinka, Ludwig C. R. Schneider
SM15L_12917	Experimental Characterisation and Numerical Modelling of Density Distribution in Tablets	Csaba I. Sinka, J. C. Cunningham, A. Zavaliangos
SM15L_13006	Stresses and Fractures in Capillary - Porous Materials Under Drying	Stefan J. Kowalski, Jacek Banaszak