

Pre-nominated Session SM11

Impact and wave propagation

Co-Chair(s): **A. Norris (USA)**
 K. Wilmanski (Germany)

Paper ID	Title	Authors
SM11L_10072	Surface Waves on an Impermeable Boundary of a Poroelastic Medium	Bettina Albers
SM11L_10114	Bulk Solitons do not Decay in Elastic Wave Guides	Alexander M. Samsonov, Galina V. Dreiden, Irina V. Semenova
SM11L_10344	Stress - Focusing Effect in a Spherical Zirconia Inclusion with Dynamically Transforming Strains	Toshiaki Hata
SM11L_10422	Simultaneous Simulation of Dispersion Curves and H/V Spectra	Toshiro Maeda
SM11S_10426	Nonlinear Waves in Shock - Loaded Solids	Nikolai N. Myagkov
SM11L_10612	Critical Time for Acoustic Waves in Weakly Nonlinear Poroelastic Materials	Wilmanski Krzysztof
SM11S_10891	Rayleigh - Like Surface Waves on a Nonlinear Layered Elastic Half Space	Semra Ahmetolan, Mevlut Teymur
SM11L_11085	Non - Destructive Testing of Wood by Wave Propagation	Istvan A. Veres, Mahir B. Sayir
SM11S_11099	A Two - Dimensional Analysis of Surface Acoustic Waves in Finite Anisotropic Solids with Electrodes	Ji Wang, Jingbo Lin
SM11S_11242	Nonlinear Wave Processes in a Bi - Layer	Karima R. Khusnutdinova, Roger H. J. Grimshaw
SM11L_11271	Shock - Induced Surface Waves in Porous Reservoirs	G. Chao, D. M. J. Smeulders, M. E. H. van Dongen
SM11L_11360	Trapping of Plastic Waves by Adiabatic Deformation	Janusz R. Klepaczko
SM11S_11377	Modeling of Solitary Impulses in a Composite Material Using Wavelet Analysis	Kateryna V. Terletska

SM11S_11401	Some Degenerated and Extended Wave Models of Elasto - and Hydrodynamics with Finite Velocity Disturbance Propagation	Igor Selezov
SM11S_11596	Uniqueness Results for the Reflection - Transmission Problem	Angelo Morro
SM11S_11620	Wave Interaction Resonances in Inhomogeneous Elastic Materials	Andres Braunbrueck, Arvi Ravasoo
SM11S_11682	Acceleration Wavefronts in Random Media	Martin Ostoja - Starzewski, Jerzy Trebicki
SM11S_11812	Inhomogeneous Circularly Polarized Waves in Orthorhombic Crystals	Philippe S. Boulanger, Michael A. Hayes
SM11S_11813	Hidden and Driven solitons in Microstructured Media	Andrus Salupere, Juri Engelbrecht
SM11S_11853	Thermo-Mechanical Wave Propagation in Materials with Internal State Variables	Witold Kosinski, Kurt Frischmuth
SM11S_11989	Self - Consistent Methods in the Problem of Elastic Wave Propagation Through Matrix Composite Materials	Sergey K. Kanaun, Valery M. Levin
SM11S_12203	Waves of Deformation Propagation in Nonlinear Viscously Elastic Porous Material	Vladimir I. Erofejev, Anton G. Pegushin
SM11L_12313	Elastoplasticity of Gravel Protecting Rockfall-Endangered Steel Pipelines	Bernhard Pichler, Christian Hellmich, Herbert A. Mang
SM11L_12418	Flaw Identification by Angle Beam Electromagnetic Acoustic Transducers	Shumpei Hanada, Toshihiko Sugiura
SM11L_12481	Impact Fracture of Rock Materials Due to Percussive Drilling Action	Anton M. Krivtsov, Ekaterina E. Pavlovskaia, Marian Wiercigroch
SM11S_12514	Dispersion and Stability Analysis of Waves in Pre - Stressed Imperfectly Bonded Layered Composites	Anil C. Wijeyewickrema, Sasikorn Leungvichcharoen
SM11L_12568	On the Propagation of Solitary Waves in Microstructured Solids	Olari Ilison, Andrus Salupere

SM11L_12763 Level - Sets and Mixed Approaches for Dynamic Contact Problems Hachmi Ben Dhia, Chokri Zammali

SM11L_12772 Analysis and Design of Dispersive Materials and Structures Mahmoud I. Hussein, Gregory M. Hulbert, Richard A. Scott
