

Pre-nominated Session FSM1

Acoustics

Co-Chair(s): **T. Geers (USA)**
 N. Peake (UK)

Paper ID	Title	Authors
FSM1S_10294	Dissipative Effects on Propagation of the Acoustic Solitary Waves	N. Sugimoto, M. Masuda, K. Yamashita, H. Horimoto
FSM1L_10907	An Empirical 'lower bound' on Free-Shear-Flow Noise	Jonathan B. Freund, Mingjun Wei
FSM1L_11249	Special Short Wave Finite Elements for Flow Acoustics	Jeremy Astley, Pablo Gamallo
FSM1S_11337	Wave Propagation in and Sound Emission from a Sandwich Plate Under Heavy Fluid Loading	Sergey Sorokin
FSM1L_11373	3-D Structural Acoustics Modeling with HP-Adaptive Finite Elements	David S. Burnett, Mario Zampolli
FSM1S_11508	The Low - Temperature Acoustical and Thermal Properties of Materials due to the Dynamics of Linear Topological Defects	Dmitry V. Churochkin, Vladimir Osipov
FSM1L_11561	Shock Leakage Through a Vortex-Laden Mixing Layer Causing Jet Screech	Takao Suzuki, Sanjiva K. Lele
FSM1S_11896	Transmission of Elastic Waves and Localised Modes in Composite Structures	Natasha V. Movchan, Alexander B. Movchan
FSM1S_11973	Arbitrarily Wide-Angle Wave Equations and their Applications to Unbounded Domain Modeling and Subsurface Imaging	Murthy N. Guddati, A. Homayoun Heidari, Keng-Wit Lim
FSM1S_12149	Ultrasonic Travel - Time Technique for Diagnostic of Grid - Generated Turbulence	Tatiana A. Andreeva, William W. Durgin
FSM1S_12180	The Acoustics of Two - Dimensional Leapfrogging Vortex Interactions	Jeff D. Eldredge
FSM1L_12477	A Theoretical Model for Resonances in Flow Past a Cavity	E. J. Kerschen, J. O. Alvarez, A. Tumin

FSM1L_12497	Structure of Sonic Booms in a Medium with Multiple Relaxation Modes	Paul W. Hammerton, M. E. Johnson
FSM1S_12516	Gas Oscillations in a Closed Tube at Resonance	Alexander Alexeev, Chaim Gutfinger
FSM1S_12527	The Effect of Viscosity on the Propagation of Acoustic Waves Through Fine Cylindrical Meshes	Iain D. J. Dupere, Ann P. Dowling, Tian J. Lu
FSM1S_12533	Modelling of Hydrophone Based on a DFB Fiber Laser	Lars V. Hansen, F. Kullander
FSM1S_12555	Numerical Analysis of the Texture and Acousto-Elastic Properties of Prestressed Polycrystalline Aggregate	Jozef Lewandowski
FSM1S_12586	Measurements and Calculations Related to Curve Squealing in the Railway System	Rossano Stefanelli, Juerg Dual, Eric Cataldi-Spinola, Mathias Goetsch
FSM1S_12643	Acoustic Wave Propagation Through a Random Array of Dislocations	Agnes Maurel, Jean F. Mercier, Fernando Lund
FSM1S_12691	Distributed Parameter Control of a 2D Acoustic Helmholtz Problem on a Halfspace	George Biros, Seong-Won Na, Loukas F. Kallivokas
FSM1S_12717	Frequency- and Directionality- Continuation Schemes for Scatterer Shape Detection in Acoustics	Seong-Won Na, Loukas F. Kallivokas