Monday -- General Elastic Nonlinearity	Tuesday -- Granular & Geomaterials
Welcome and Overview of the Workshop -- Organizing Committee	In Situ Nonlinear Soil Response Applying an Active Source -- Fred Pearce, Paul Bodin, Zack Lawrence, Joan Gomberg, Farn-Yuh Menq, and Paul Johnson
State of the Art: Nonlinear Elasticity in Granular and Crystalline Solids -- Donatella Pasqualini	The Effect of Acoustic Waves on Stick-Slip Behaviour in Sheared Granular Media -- Paul A. Johnson, Heather Savage, Matt Knuth, Joan Gomberg, and Chris Marone
Slow Dynamics at Millisecond Time Scales -- Richard Weaver and Oleg Lobkis	Sound Propagation and Force Chains in Photoelastic Granular Materials -- Karen E. Daniels and Clifford E. Chafin
A PM Space Model of Irreversible Changes in Materials Subject to Loading -- Marco Scalerandi, A. Gliozzi, C. Bruno, A. Antonaci, D. Masera, P. Bocca	Nonlinear Dynamics of Stressed Granular Materials Near Acoustic Resonance -- Jérôme Laurent, Xiaoping Jia and Paul A. Johnson
End Point Memory Revisited -- James A. TenCate and Kevin E. Claytor	Lunch
Lunch	A FFT-Based Full-Field Model for the Study of the Elastic Properties of Rocks -- D. Pasqualini and R. A. Lebensohn
Frequency Sweep with Constant Strain Output -- Kristian Haller and Claes Hedberg	Experimental Study of Ultrasonic Harmonic Properties in Rock and Concrete -- Xiaozhou Liu, Xiufen Gong, Jinlin Zhu, Chang Yin
Phenomenological Universality -- Pier-Paolo Delsanto	Effect of Water Saturation on the Nonlinear Behaviour of Concrete -- Cedric Payan, Vincent Garnier and Joseph Moysan
Emergence and Interaction of Solitary Waves in Microstructured Solids -- Andrus Salupere, Kert Tamm, and Jüri Engelbrecht	

Wednesday -- Medical Applications	Thursday -- Time Reversed Acoustics
Can Nonlinear Ultrasound Detect Bone Microdamage In vitro? -- M. Muller, TJ. Ulrich, D. Mitton, M. Talmant, P. Johnson, P. Laugier	A Time Reversal Matrix for Nonlinear Elastic Wave Scattering -- R. A. Guyer
Exploration of Trabecular Bone Nonlinear Elasticity Using Time of Flight Modulation -- Guillaume Renaud, Samuel Calle, Jean-Pierre Remenieras and Marielle Defontaine	Experimental Time Reversal in Solids -- TJ Ulrich, B.E. Anderson and P.A. Johnson
Faster and Reliable Topology Optimisation Using Smooth Boundary Representation -- H. Alicia Kim	Time Reversal Acoustics (TRA) Reconstruction of Temporally Symmetric Sources and the Effects of Finite-Dimension Transducers on TRA in Solids -- Michele Griffa, P. A. Johnson, R. A. Guyer, T. J. Ulrich, B. E. Anderson
Lunch	Selective Localisation of Multiple Sources Using Time Reversal Modelling Results -- A.S.Gliozzi, M. Scalerandi, B. Anderson, M. Griffa, P. A. Johnson, and T. J. Ulrich
Free Afternoon	Lunch
	Improvement of Nonlinear Elastic Wave Spectroscopy with Time Reversal Acoustics; Numerical and Experimental Approaches -- Thomas Goursolle, Jérôme Fortineau, Samuel Callé, Olivier Bou Matar, and Serge Dos Santos
	Applying the Time Reversal Mirror to locate the Parkfield Earthquakes Sequence -- Carene Larmat, Paul Johnson, Lianje Huang, Jean-Paul Montagner, Mathias Fink, Arnaud Tourin
	Time-Reversed Acoustics for Focal Depth Estimation - Application to Local, Shallow Earthquakes in Southern California -- Fred Pearce, Rongrong Lu, and Nafi Toksöz

Friday -- Nondestructive Evaluation
Localization of Defects in Complex Structures by Nonlinear Wave Modulation and Time Reversal -- Zdenek Prevorovsky
Nonlinearity-Based Diagnosis and Localization Techniques for Microdamage Detection -- Pierre-Yves Le Bas, Koen Van Den Abeele
Nonlinear Resonant Ultrasound Spectroscopy Studies of Nanocrystalline Nickel Alloys -- Tarik Saleh, J. A. Tencate, TJ Ulrich and P. A. Johnson
Failure in Material Under Dynamic Loadings (Bird-Strike) -- Michele Meo
Lunch
Non-Destructive Damage Evaluation of Different Parts in Three Industrial Projects -- Yulian B. Kin, Krasimir Z. Zahariev, Bernard W. Parsons Eric Roades, Brian Smith, John P. Companik
Two-Scale Modelling of Nonlinearity During Damage Evolution -- Jan Carmeliet, S. Mertens, J. Vantomme
Multiscale Model for Hysteretic Moisture Behavior of Wooden Materials -- Dominique Derome, W. Zillig, H. Derluyn, J. Carmeliet