

Sunday, June 21st, 2009, Afternoon

15:00 – 18:00 - Registration

18:30 – Departure by bus to the Welcome Cocktail

Monday, June 22nd, Morning

08:30	Late Registration	
09:20	Opening Session	
09:40	Keynote Address # 01 – “Simulation will soon eliminate the need for Dynamic Tests”. Discuss <i>Ewins, D., University of Bristol / Imperial College, U.K.</i> Chair: Maia, N., Instituto Superior Técnico, Lisbon, Portugal	
10:30	Coffee Break	
	Room A – Session 1A – Linking Analysis & Tests I Chair: Bregant, L., University of Trieste, Italy	Room B - Session 1B – Damage/SHM I Chair: Santos, J., State University of Campinas, Brazil
11:00	#13 <i>On the Modeling of a Spatially Curved Cable and Casing with a Focus on their Interaction</i> Otrin, M., Boltežar, M. University of Ljubljana, Slovenia	#05 <i>Damage Detection Using Pzt Networks with Tuned Lamb Waves</i> Silva, C., Rocha, B., Suleman, A. University of Victoria, Canada and IDMEC-IST, Portugal
11:20	#15 <i>Inverse Force Identification on Large Marine Engines' Foundations</i> Bregant L., Fabro G., Pestelli C., Bogatec D. University of Trieste and Wärtsila Italia, San Dorligo della Valle, Italy	#10 <i>A Forward Approach to Model-Based Structural Health Assessment</i> Barthorpe, R. J., Manson, G., Worden, K. The University of Sheffield, UK
11:40	#53 <i>Influence of the Manufacturing Process on Brakes Caliper Structural Dynamics</i> Uhl, T., Nicolas, G. University of Science and Technology AGH, Krakow, Poland	#18 <i>Structural Health Monitoring in Changing Operational Conditions using Transmissibility Measurements</i> Devriendt, C., Vanbrabant, K., De Sitter, G., Presznak, F., De Troyer, T., Deckers, K., Steenackers, G., Vanlanduit, S., Guillaume, P. Vrije Universiteit Brussel, Belgium
12:00	#58 <i>Analytical, Numerical and Experimental Study of the Dynamical Response of a Multi-Laminated Periodic Bar</i> Policarpo, H., Ribeiro, A. R., Neves, M. M. IDMEC-IST, Inst. Superior Técnico, Lisboa, Portugal	#30 <i>Continuing Structural Health Monitoring after Repair: Experimental Results</i> Kullaa, J. Helsinki Univ. of Technology and Helsinki Metropolia University of Applied Sciences, Metropolia, Finland
12:20	Lunch	

Monday, June 22nd, Afternoon

14:00	<p>Keynote Address # 02 – “Damping Prediction of Structures with Bolted Joints” <i>Gaul, L., Becker, J, University of Stuttgart, Germany</i> Chair: Maia, N., Instituto Superior Técnico, Lisbon, Portugal</p>	
14:50	<p>Short break to divide rooms</p>	
	<p>Room A - Session 2A - Damping I Chair: Koumousis, V., National Tech. Univ. of Athens, Greece</p>	<p>Room B - Session 2B – Analytical Methods Chair: Mottershead, J., University of Liverpool, UK</p>
15:00	<p>#19 <i>Modeling of Damping Force of Dynamically Loaded Specimen of Polyurethane Foam in Dependence on Its Density</i> Cirkl, D. Technical University of Liberec, Czech Republic</p>	<p>#26 <i>Response of Timoshenko Beam on Viscoelastic Foundation to Moving Load using Coiflet Expansion</i> Hryniewicz, Z. Technical University of Koszalin, Poland</p>
15:20	<p>#45 <i>Experimental Estimation of Damping and Seismic Design: an Assessment</i> Rainieri, C., Fabbrocino, G., Cosenza, E. Univ. of Molise and Univ.y of Naples “Federico II”, Italy</p>	<p>#28 <i>Computational Problems in Vibration Analysis for Fast Moving Train Models – Wavelet Approach</i> Koziol, P., Mares, C. Technical University of Koszalin, Poland and Brunel University, UK</p>
15:40	<p>#06 <i>Damping Characteristics of Impact Damper on SDOF System Vibrations under Different Excitations</i> Zahrai, S. M., Rod, A. F. University of Tehran, Iran</p>	<p>#44 <i>Performance of Various Mode Indicator Functions</i> Radeş, M. Polytechnic University of Bucharest, Romania</p>
16:00	<p>Coffee Break</p>	
	<p>Room A - Session 3A - Non-linear Dynamics I Chair: Vakakis, A., National Tech. Univ. of Athens, Greece / Univ. of Illinois at Urbana-Champaign, U.S.A.</p>	<p>Room B - Session 3B – Optimization/Identification Chair: Neves, M., Instituto Superior Técnico, Lisbon, Portugal</p>
16:30	<p>#22 <i>Detection of Nonlinearity in a Dynamic System using Deformation Modes Obtained from the Wavelet Transform of Measured Responses</i> Nguyen V. H., Peeters M., Golinval J.-C. University of Liege, Belgium</p>	<p>#09 <i>Multicriteria Optimization of Injury Prevention Systems to Impact</i> Cardoso, J. B., Moita, P. P., Valido A. J. Instituto Superior Técnico and Escola Superior de Tecnologia de Setúbal, Portugal</p>
16:50	<p>#36 <i>Prediction of Modal Parameters of Linear Time-Varying Systems</i> Marchesiello, S., Bellino, A., Garibaldi, L. Politecnico di Torino, Torino, Italy</p>	<p>#93 <i>Optimal Inelastic Design of Multistorey Reinforced Concrete Buildings Towards Uniform Distribution of Minimal Damage</i> Chatzi, N. E., Koumousis, K. V. Fu Foundation School of Eng. and Applied Science at Columbia Univ., New York, USA and National Technical University of Athens, Zografou Campus, Greece</p>
17:10	<p>#88 <i>Non-Linear Response of Torsionally Coupled Base-Isolated Structure with Considering Two Horizontal Components of Earthquake Simultaneously</i> Khoshnoudian, F., Azad, A. I. Amirkabir University of Technology, Tehran, Iran</p>	<p>#100 <i>The Fitness Landscape for Parameter Estimates for Hysteretic Systems</i> Worden, K. Dynamics Research Group, Department of Mechanical Engineering, University of Sheffield, Sheffield, UK</p>

Tuesday, June 23rd, Morning

08:30	Keynote Address # 03 – “Some Modern Problems in Structural Engineering Dynamics” <i>Elishakoff, I., Pentaras, D., Florida Atlantic University, U.S.A.</i> Chair: Maia, N., Instituto Superior Técnico, Lisbon, Portugal	
09:20	Short break to divide rooms	
	Room A - Session 4A – Experimental Modal Analysis/Operational Modal Analysis Chair: Peeters, B., LMS International, Leuven, Belgium	Room B - Session 4B – Experimental Techniques/Specific Applications Chair: Uhl, T., University of Science and Technology AGH, Krakow, Poland
09:30	#76 <i>On Vibration Signal Records Recondition. Application to Unpredictable Signal Levels</i> Căplescu, C., Cioara, T. G. University "Politehnica" of Timișoara, Romania	#49 <i>Measurement of ODSs on Operating Machines using a Continuous-Scan LDV</i> Stanbridge, A. B., Ewins, D. J. Imperial College London, UK
09:50	#104 <i>The use of Transmissibility Properties to Estimate FRFs in Modified Structures</i> Almeida, R. A. B., Urgueira, A. P. V., Maia, N. M. M. New Univ. of Lisbon and Inst. Sup. Técnico, Portugal	#106 <i>Modal Testing of a Large Satellite Structure and Data Analysis</i> Feng, Y., Li, N., Yue, Z. Beijing Institute of Spacecraft Environment Eng., China
10:10	#69 <i>An Approach for Decentralized Mode Estimation Based on the Random Decrement Method</i> Friedmann, A., Mayer, D., Kauba, M. Fraunhofer Institute for Structural Durability and System Reliability, Darmstadt, Germany	#74 <i>Fiber Optical High Resolution Esophagus Manometry Based on Draw-Tower-Fiber-Bragg-Gratings</i> Becker, M., Rothhardt, M., Voigt, S., Teubner, A., Lüpke, T., Thieroff, C., Bartelt, H. Institute of Photonic Technology Jena, Technische Universität Chemnitz, Clinical Center Chemnitz and Kunststoff-Zentrum in Leipzig, Germany
10:30	Coffee Break	
	Room A - Session 5A – Damping II Chair: Gaul, L., University of Stuttgart, Germany	Room B - Session 5B - Damage/SHM II Chair: Kullaa, J., Helsinki Univ. of Technology and Helsinki Metropolia University of Applied Sciences, Metropolia, Finland
11:00	#62 <i>Implementation of a New Method for the Computation of Fractionally Damped Structures into Discretization Methods</i> Schmidt, A., Lotsch, M., Gaul, L. University of Stuttgart, Germany	#103 <i>Advanced Feature Selection for Simplified Pattern Recognition within the Damage Identification Framework</i> Manson, G., Barthorpe, R.J. University of Sheffield, UK
11:20	#81 <i>A Comparison of Eigenvalue Following Algorithms Applied to Structures with Symmetric Complex-Valued Stiffness Matrices</i> Miller, U., Bograd, S., Schmidt, A., Gaul, L. University of Stuttgart, Germany	#47 <i>Identification of Damage in a Beam Structure by using Mode Shape Curvature Squares</i> Rucevskis, S., Wesolowski, M. Riga Technical University, Latvia
11:40	#91 <i>A Generalized Frequency-Temperature Viscoelastic Model</i> Moreira, R.A.S., Corte-Real, J.D., Dias Rodrigues, J. University of Aveiro and University of Porto, Portugal	#54 <i>Lamb Wave Interaction with Defects in Homogeneous Plates</i> Willberg, C., Vivar-Perez, J. M., Gabbert, U. Otto von Guericke University of Magdeburg, Germany
12:00	#07 <i>The New Approach to the Design of Impact Damper vs. Harmonic Load and Comparison of Optimum ID_{opt} with TMD_{opt}</i> Dehghan-Niri, E., Zahrai, S. M., Rod, A. F. University of Tehran, Iran	#48 <i>The Boundary Integral Equation Based Method for Damages Detection in the Multilayered Composites</i> Soloviev, A. N., Vatulyan, A. O., Spogakin, A. S., Shevtsov, S. N. Southern Fed. University, Don State Tech. University and South Center of Russian Academy, Russia
12:20	Lunch	

Tuesday, June 23rd, Afternoon

14:00	<p>Keynote Address # 04 - <i>Slow-Fast Partitions in Nonlinear Vibration Analysis and System Identification</i> Vakakis, A., National Tech. Univ. of Athens, Greece / Univ. of Illinois at Urbana-Champaign, U.S.A. Chair: Maia, N., Instituto Superior Técnico, Lisbon, Portugal</p>	
14:50	<p>Short break to divide rooms</p>	
	<p>Room A - Session 6A – Non-linear Dynamics II Chair: Garibaldi, L., Politecnico di Torino, Torino, Italy</p>	<p>Room B - Session 6B - Modelling Chair: Link, M., University of Kassel, Germany</p>
15:00	<p>#107 <i>Robust Optimal Design of a Nonlinear Dynamic Vibration Absorber Combining Sensitivity Analysis</i> Borges, R. A., Lima, A. M. G., Steffen Jr, V. Fed. Univ. of Tocantins, Fed. Univ. of Itajubá and Fed. Univ. of Uberlândia, Brazil</p>	<p>#57 <i>Energy Spectral Element Method for Vibrating Membranes</i> Pereira, V. S., Dos Santos, J. M. C. State University of Campinas – UNICAMP, Brasil</p>
15:20	<p>#52 <i>A Bouc Wen Type Hysteretic Plane Stress Element</i> Triantafyllou, S. P., Koumoussis, V. K. Inst. of Structural Analysis & Aseismic Research, National Technical University of Athens, Athens, Greece</p>	<p>#78 <i>Numerical Investigations and Validation of an Acoustic Finite Element Model for Aircraft Interiors</i> Teuma, F., Kletschkowski, T. Helmut Schmidt Universität/University of the Federal Armed Forces Hamburg, Hamburg, Germany</p>
15:40	<p>Coffee Break</p>	
	<p>Room A - Session 7A – Updating/Uncertainty Chair: Golinval J.-C., University of Liege, Belgium</p>	<p>Room B - Session 7B – Active/Passive Control Chair: Halevi, Y., Technion – Israel Institute of Technology, Haifa, Israel</p>
16:10	<p>#23 <i>Stochastic Model Updating by Covariance Matrix Adjustment</i> Govers, Y., Link, M. Institute of Aeroelasticity, Göttingen and University of Kassel, Germany</p>	<p>#42 <i>Simulation of Piezoelectric Lamb Waves in Plate Structures</i> Vivar-Perez, J. M., Willberg, C., Gabbert, U. Otto-von-Guericke University of Magdeburg, Germany</p>
16:30	<p>#25 <i>Uncertain Parameter Numerical Model Updating according to Variable Modal Test Data in Application of Large Composite Fuselage Panel</i> Luczak, M., Vecchio, A., Peeters, B., Van der Auweraer, H., Gielen, L. LMS International, Leuven, Belgium</p>	<p>#56 <i>Absolute Vibration Suppression (AVS) Control – Modeling, Implementation and Robustness</i> Halevi, Y., Peled, I. Technion – Israel Institute of Technology, Haifa, Israel</p>
16:50	<p>#33 <i>Launcher's Structural Parameters Updating using Flight Measurements</i> Charbonnel, P. E., Ladevèze, P., Louf, F., Pechnik, N. LMT-Cachan and EADS, France</p>	<p>#98 <i>Power Flow Control and Travelling Waves of Vibration, the Optimal Force Distribution</i> Gabai, R., Setter, E., Plat, H., Bucher, I. Technion, Israel Institute of Technology, Haifa, Israel</p>
17:10	<p>#40 <i>Estimation of Flutter Boundaries in The Presence of Structural Uncertainty by Probabilistic and Fuzzy Methods</i> Khodaparast, H. H., Marques, S., Badcock, K. J., Mottershead, J. E. University of Liverpool, UK</p>	<p>#89 <i>The Evaluation of Soil-Foundation-Structure Interaction Effects on Dissipated Energy by Passive Control Devices</i> Shadlou, M., Ansari, M., Amini, F. Iran University of Science and Technology, Tehran, Iran</p>
17:30	<p>#108 <i>Stochastic Modeling of Surface Viscoelastic Treatments</i> Lima, A. M. G., Rade, D. A., Bouhaddi, N. Federal University of Itajubá, Federal University of Uberlândia, Brazil and University of Franche-Comté, France</p>	<p>#90 <i>The Evaluation of Modal Period of Building Including Soil-Foundation-Structure Interaction Effects</i> Shadlou, M., Ansari, M., Amini, F. Iran University of Science and Technology, Tehran, Iran</p>

18:30 - Departure by bus to the Conference Dinner

Wednesday, June 24th, Morning

	<p>Room A - Session 8A – Linking Analysis & tests II Chair: Radeş, M., <i>Polytechnic University of Bucharest, Romania</i></p>	<p>Room B - Session 8B – Seismic Topics Chair: Cichowicz, A., <i>Council for Geoscience, Pretoria, South Africa</i></p>
09:10	<p>#31 <i>Towards a Justification for the use of a Modal Model Consolidation Technique</i> Lisowski, W. AGH Univ. of Science and Technology, Kraków, Poland</p>	<p>#94 <i>On the Dynamic Behavior of a Lightweight Isolator for Museum Artifacts</i> Koumouis, V., Kefala, G. National Technical University of Athens, Greece</p>
09:30	<p>#16 <i>Modal Characteristics of the Electric Transmission Pole Line System</i> Dai, K., Chen, S. University of North Carolina at Charlotte, USA</p>	<p>#92 <i>Near-Field Ground Motion Model versus Wave Propagation Analysis</i> Cichowicz, A. Council for Geoscience, Pretoria, South Africa</p>
09:50	<p>#75 <i>On Excitation Forces Defining in a Mechanical Press Vibration Isolation</i> Ţirdea, A., Cioara, T. G. University "Politehnica" of Timișoara, Romania</p>	<p>#55 <i>Assessment of an Existing RC Building before and after Strengthening using Nonlinear Static Procedure and Incremental Dynamic Analysis</i> Hedayat, A. A., Yalciner, H. Eastern Mediterranean Univ., Gazimagusa – North Cyprus, Turkey</p>
10:10	<p>#105 <i>Comparison of Measured Dynamic Characteristics of a Real Structure to its Theoretical Model</i> Sayari, A. Kingston University, London, UK.</p>	<p>#35 <i>Multi Stage Performance of Triple Pendulum Bearing</i> Malekzadeh, M., Movahednejad, M., Mohammadi, S. A. Amirkabir University of Technology, Tehran, Iran and Wayne State University, Detroit, USA</p>
10:30	Coffee Break	
	<p>Room A - Session 9A – Human Induced Vibrations Chair: Chen, S., <i>Univ. of North Carolina at Charlotte, USA</i></p>	<p>Room B - Session 9B – Modelling II Maia, N., <i>Instituto Superior Técnico, Lisbon, Portugal</i></p>
11:00	<p>#60 <i>Vertical and Lateral Horizontal Forces of Walking Area Running Pedestrians</i> Pirner, M., Urushadze, S. Academy of Sciences of Czech Republic, Prague, Czech Republic</p>	<p>#39 <i>A Study to Determine the Content & Procedures in Structural Performance Evaluation</i> Mohammadi, S. A., Malekzadeh, M., Khoushroudian, F., Movahednejad, M. <i>Amirkabir University of Technology, Tehran, Iran</i></p>
11:20	<p>#37 <i>Analysis and Design of a Structure Susceptible to Human-Induced Vibration</i> Setareh, M., Lovelace, M. Virginia Polytechnic Inst. and State University, U.S.A.</p>	
11:40	<p>#38 <i>Studies of a Building Floor System Subjected to Rhythmic Human Activities</i> Setareh, M. Virginia Polytechnic Inst. and State University, U.S.A.</p>	
12:00	Lunch	

End of the Conference