ICEDyn 2013

REGULAR SESSIONS

Accepted abstracts

ID	Title	Speaker's name	Speaker's institution
4	Transmissibility-based Operational Modal Analysis Revisited: Is One Loading Condition Sufficient?	Patrick Guillaume	Vrije Universiteit Brussel
7	Comparative study of excitation signals for time-frequency analysis of time-variant systems	Kajetan Dziedziech	AGH, University of Science and Technology
8	Thermo-Structural Analysis of the Separation System of VLS Payload for Aluminium and Steel	Cláudio Gilberto Bautzer dos Santos	Institute of Aeronautics and Space- IAE
9	Investigation of the Satellite Attitude Control System Performance and Robustness Using Reaction Wheels with Current and Speed Feedback Compensation	Luiz Carlos Gadelha de Souza	Instituto Nacional de Pesquisas Espaciais-INPE
10	STRUCTURAL RESPONSE TO BLAST LOADING	Hakan YALCINER	European University of Lefke
11	The use of strain sensors in an experimental modal analysis of small and light structures	Miha Boltežar	Uni Ljubljana, Slovenia
12	Satellite Attitude Control System Design Considering the Interactions between Fuel Slosh and Flexibility Dynamics	Luiz Carlos Gadelha De Souza	National Institute for Space Research – INPE
13	Comparison and assessment of time- and frequency-domain-based approaches for damage detection of bridges	NGUYEN Viet Ha	University of Luxembourg
14	Model Selection of a Nonlinear System via Bayesian Inference: an Evaluation of Markov Chain Monte Carlo Methods	P L Green	University of Sheffield
15	SHM of aluminium plates subjected to fatigue damage: a neural network approach based on modelling	Claudio Sbarufatti	Politecnico di Milano, Department of Mechanical Engineering
16	NUMERICAL AND OPERATIONAL IDENTIFICATION AND	Simone Manzato	LMS International

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	ASSESSMENT OF MOTORCYCLE DYNAMICS AND COMFORT		
18	PROBLEMS OF VIBROACOUSTICS AIROCRAFTS	Baklanov Viatcheslav	TUPOLEV
22	Concept modelling of vehicle joints and beam-like	Giovanni De Gaetano	Dipartimento di Meccanica - Università della Calabria
23	Experimental and Numerical Investigation of the Damage-Dependent Vibration Behaviour of Textile Reinforced Composite Structures	Robin Höhne	Institute of Lightweight Engineering and Polymer Technology (ILK), Technical University of Dresden
24	Experimental studies of soldier fly halteres for gyroscopic oscillations	Rizuwana Parween	Indian Institute of Science (IISc)
25	Active Control of a Nonlinear Flexible Aircraft Wing	Shakir Jiffri	The University of Liverpool
26	FATIGUE ANALYSIS OF VISCOELASTIC STRUCTURES	Antonio Marcos G. de Lima	Federal University of Uberlândia, School of Mechanical Engineering
28	Helicopter Blade Structural Health Monitoring Based on Vibration and Modal Parameters	Fábio Luis Marques dos Santos	LMS International
30	Automatic damage detection in car dampers	Hendrik Buff	Fraunhofer Institute for Structural Durability and System Reliability LBF
34	Updating the Finite Element Model of a wind turbine blade section using experimental modal analysis results	Marcin Luczak	Institute of Fluid-Flow Machinery Polish Academy of Sciences
39	Transmissibilitiy based modal analysis: recent developments	Wout Weijtjens	VUB
41	Continuous monitoring of an offshore wind turbine using automated state-of-the art operational modal analysis techniques	Christof Devriendt	Vrije Universiteit Brussel
42	Damping effects on a moving mass system	S. Marchesiello	Politecnico di Torino
43	Predictive Control for Earthquake Response Mitigation of Buildings with Semi-active Fluid Dampers	Fernando Oliveira	Laboratório Nacional de Engenharia Civil (LNEC), Lisboa, Portugal.
47	Damping of hollow beams using metal swarf	Jem Rongong	The University of Sheffield
55	Structural Health Monitoring in Cables by Ultrasonic Waves	Steffan Bischoff	University of Stuttgart
57	Performance Assessment of Some Reinforced Concrete Buildings Under Construction: The Case of North Cyprus	Hakan YALCINER	European University of Lefke
60	Fully equipped dynamic model of the bus	Tadeusz Uhl	University of Science and Technology AGH
62	A NOTE ON THE ESTIMATION OF CORK COMPOSITE ELASTO-DYNAMIC PROPERTIES AND THEIR FREQUENCY DEPENDENCE	Hugo Policarpo	IDMEC-IST
68	Modeling of Damping in Bolted Joints	Michael Theiler	Institute of Structural Mechanics, Bauhaus-University

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			Weimar
70	Vibration Mitigation without Dissipative Devices First Large Scale Testing of a State Switched Inducer	Daniel Tirelli	European Laboratory for structural Assessment
74	Vibroacoustic Modal Analysis of a Brazilian Guitar Resonance Box	José Maria Campos Dos Santos	Faculdade de Engenharia Mecânica - UNICAMP
77	Limiting Performance Analysis of a Vehicle's Restraint System Including Pre-Acting Control.	Paulo Moita	Instituto Politécnico de Setúbal
81	FUNDAMENTAL PERIODS OF VIBRATION OF FOOTBRIDGES IN PORTUGAL FROM IN-SITU EXPERIMENTAL AND NUMERICAL TECHNIQUES	Carlos Sousa Oliveira	Instituto Superior Tecnico
82	The analysis of the system resonant response function based on experiment test	ZHENFANG XIN	Beijing Institute of Technology
83	Active Control of Flutter in a Wind-Tunnel Aerofoil Model	John Mottershead	University of Liverpool
86	Vibro-acoustic mitigation in composite structures using viscoelastic damping and soundproofing poroelastic technologies	Luís C. Cardoso	Faculdade de Engenharia da Universidade do Porto (FEUP) and Instituto de Engenharia Mecânica e Gestão Industrial (INEGI)
87	On the use of different functions in the Ritz method	Pablo Moreno-García	INEGI, Instituto de Engenharia Mecânica e Gestão Industrial, Porto, Portugal
88	Some Aspects of Time Domain Parameter Extraction Approaches for Operational Modal Analysis	Anders Brandt	ITI, University of Southern Denmark
91	GBT-Based Dynamic Analysis of Thin-Walled Members	Rui Bebiano	Instituto Superior Técnico (IST/UTL)
92	Aging of RC chimney detecting by dynamic response	Shota Urushadze	Institute of Theoretical and Applied Mechanics, Academy of Sciences of the Czech Republic
93	Blind Source Separation techniques for output-only modal identification of civil structures: review and perspectives	Carlo Rainieri	University of Molise
95	A hybrid simulation technique for the active control of engine noise	Leopoldo P.R. de Oliveira	University of Sao Paulo
97	Simulation of Helicopter Vibrations by SIMULINK Dynamic Model of Fully Articulated Rotor	Sergey Shevtsov	South Center of Russian Academy
98	On the use of Statistical Inference in Structural Model Updating	Tiago Silva	ISEL/IPL, Polytechnic Institute of Lisbon
99	Dynamic response of an open curved thin shell to a random pressure field arising from a turbulent boundary layer	Prof. A. A. Lakis	Ecole Polytechnique of Montreal
100	Damage detection of a bridge from response of a moving vehicle	Z.H. LI	Department of Civil Engineering, The University of Hong Kong

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126	Structural Synthesis for Prescribed Target Natural Frequencies and Mode Shapes	José Antonio Hernandes	Instituto Tecnológico de Aeronáutica, São José dos Campos, São Paulo 12228-900, Brasil
127	ON WAVE GENERATION IN AXISYMMETRIC SHEARED AND SWIRLING NON-ISENTROPIC MEAN FLOWS	L.M.B.C. Campos	Instituto Superior Técnico
128	On the bifurcations of non-linear sound waves in a relaxing medium	L.M.B.C Campos	Instituto Superior Técnico
129	On sound radiation from an open-ended non-uniformly lined cylindrical nozzle	L. M. B. C. Campos	Instituto Superior Técnico
130	ON AN ACOUSTIC HAMILTONEAN OR OSCILATION ENERGY FOR SHEAR FLOWS	L. M. B. C. CAMPOS	Instituto Superior Técnico
131	REDUCTION OF STRUCTURAL VIBRATIONS BY PASSIVE AND SEMI-ACTIVELY CONTROLLED FRICTION DAMPERS	Lothar Gaul	University of Stuttgart