| Time | Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|---|
| 8:00 - 8:50 | Registration | | | | |
| 8:50 - 9:20 | Opening | 19 | 79 | 57 | 54 |
| 9:20 - 10:00 | 27 | 25 | 22 | 40 | 55 |
| | | 52 | 23 | 44 | 6 |
| 10:00 - 10:30 | Coffee Break | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| 10:30 - 10:50 | 5 | 29 | 73 | 28 | 17 |
| 10:50 - 11:10 | 15 | 30 | 1 | 60 | 26 |
| 11:10 - 11:30 | 35 | 50 | 18 | 64 | 36 |
| 11:30 - 11:50 | 46 | 58 | 24 | 65 | 67 |
| 11:50 - 12:10 | 77 | 63 | 34 | 68 | Closure |
| 12:10 - 12:30 | 2 | 66 | 56 | 75 | |
| 12:30 - 14:00 | Lunch | Lunch | Lunch | Lunch | |
| 14:00 - 14:30 | 80 | 81 | | 83 | |
| 14:30 - 14:50 | 7 | 9 | | 12 | |
| 14:50 - 15:10 | 72 | 49 | | 13 | |
| 15:10 - 15:30 | 11 | 69 | | 20 | |
| 15:30 - 16:00 | Coffee Break | Coffee Break | Tourist Tour | Coffee Break | |
| 16:00 - 16:20 | 16 | 61 | | 8 | |
| 16:20 - 16:40 | 41 | 62 | | 45 | |
| 16:40 - 17:00 | 42 | 71 | | 51 | |
| 17:00 - 17:20 | 47 | 82 (open to general public) | | 53 | |
| 17:20 - 17:40 | 48 | | | 59 | |
| 17:40 - 18:00 | End | End | | End | |
| | La Couronne (additional fee) | | Gala Dinner | | |

| | | |
|---|---|---|
| 1 | Ammar Grous and Kamel Mirouh | Uncertainties Estimation of Roughness and Reliability Assessments of Parts Design based on Experimental models |
| 2 | Fabian Molina, Valder Steffen Jr and Edson Hideki Koroishi | FUZZY STOCHASTIC DYNAMIC ANALYSIS OF FLEXIBLE ROTORS |
| 3 | Ahmed Dallil | management of uncertainty in the data association problem using belief function |
| 4 | Donghun Yeo, René Gabbai and Emil Simiu | Uncertainties in the estimation of wind effects on tall buildings |
| 5 | Joseir Percy and Thiago Ritto | Stochastic Analysis of the Natural Frequencies of a Drill-string |
| 6 | Marcelo Tulio Piovan, Sebastian Domini and Rubens Sampaio | Stochastic dynamics of curved FG beams resting on elastic foundations and subjected to electromechanical loads: Parametric and Non-parametric approaches |
| 7 | Benedict Götz, Roland Platz and Tobias Melz | Consistent approach to describe and evaluate uncertainty in vibration attenuation using resonant piezoelectric shunting and tuned mass dampers |
| 8 | Roland Schöbi and Bruno Sudret | PC-Kriging: A new metamodelling method combining Polynomial Chaos Expansions and Kriging |
| 9 | Diego Estumano, Helcio Orlande, Marcelo Colaço, Thiago Ritto, George Dulikravich and Jorge Riera Diaz | BAYESIAN ESTIMATION OF PARAMETERS IN HODGKIN-HUXLEY´S MODEL OF BIOMEDICAL ELECTRIC SIGNALS |
| 11 | Roberta Lima and Rubens Sampaio | UNCERTAINTIES ON THE STICK-SLIP DYNAMICS |
| 12 | Americo Cunha Jr and Rubens Sampaio | Effects of a random cubic spring on the longitudinal dynamics of a bar excited by a Gaussian white noise |
| 13 | Diego A. Garcia, Rubens Sampaio and Marta B. Rosales | Uncertainty in the dynamic behavior of timber beams with knots |
| 15 | Emmanuelle Sarrouy, Emmanuel Pagnacco and Eduardo Souza de Cursi | A constant phase approach for the frequency response of stochastic linear oscillators |
| 16 | Bruno Gabriel G.L.Z. Vicente, Victor Augusto Da Costa Silva and Antonio Marcos Gonçalves de Lima | Robust-optimal Design of Composite Structures Incorporating Piezoelectric Shunt Circuits to the Problem of Passive Vibration Attenuation |
| 17 | Sergio Bellizzi, Edson Cataldo and Rubens Sampaio | Targeted energy transfer in incertain systems with a nonlinear ungrouned attachement as nonlinear energy sink |
| 18 | Fabio Dorini, Rubens Sampaio and Giuseppe Pintaude | Effect of worn material hardness uncertainties on abrasive wear |
| 19 | Mikhail Dimentberg | Dynamics of Systems with Randomly Disordered Periodic Excitation |
| 20 | Jorge Ballaben, Marta Rosales and Rubens Sampaio | Uncertainties propagation in the dynamics of a cable-beam system |
| 22 | Marcelo Piovan | Parametric uncertainties in the modeling of non-local beam theories for vibratory and buckling problems |
| 23 | Marcelo Piovan and Rubens Sampaio | Dynamics of thin-walled composite beams with random fields in the hygro- thermal constitutive components |
| 24 | Thaís Pegoretti, Marcela Machado, José Roberto Arruda and José Maria Santos | Uncertainty analysis of porous material parameters using random fields |
| 25 | Luciana Justino and José Juliano Junior | Epistemic Uncertainty Quantification for the Increasing of Reliability of the Structural Dynamic Models |
| 26 | Luciana Justino and José Juliano Junior | Parametric and Nonparametric Uncertainty Quantification of Structural Dynamic Models |
| 27 | Peter Hagedorn | Uncertainties in MDGKN-systems |
| 28 | Rafael Lopez, Leandro Miguel, José Eduardo Souza de Cursi and André Torii | Dealing with several probabilistic constraints in reliability analysis using a black-box full characterization method |
| 29 | Rafael Lopez, Leandro Miguel, André Torii and Eduardo Souza De Cursi | An approach for the global reliability based design optimization of truss structures |
| 30 | André Torii, Rafael Lopez and Leandro Miguel | A generalization of SORA for RBDO problems |
| 34 | Marcela Machado, Sondipon Adhikari and Jose Maria Campos Dos Santos | Damage characterization in structures with random properties |
| 35 | Yassine Karim and Claude Blanze | Vibration reduction by piezo-electric shunt: taking into account of uncertainties by non-intrusive methods |
| 36 | Walter Wedig and Walter Wedig | Bi-Linear Simulation Schemes Applied to Multi-Body Vehicles Riding on Randomly Profiled Road Surfaces |
| 40 | Ndrianary Rakotovao Ravahatra, Thomas De Larrard, Frédéric Duprat, Emilio Bastidas Arteaga and Franck Schoefs | Sensitivity of simplified models of carbonation with respect to random fields of concrete physical parameters |
| 41 | Rosangela Cintra and Steve Cocke | A local ensemble transform Kalman filter data assimilation system for the global FSU atmospheric model |
| 42 | Ivan Sendin and Marcos Batista | An Ant Colony to Affine Linear System |
| 43 | Indiara Vale, Ivan Sendin and Marcos Batista | Stochastic Proximity Embedding with Uncertainties |
| 44 | Mario R. Escalante, Marta B. Rosales and Rubens Sampaio | Parameter sensitivity study and uncertainties propagation in the dynamic response of a 3d cable model |
| 45 | Maliki Moustapha, Bruno Sudret, Jean-Marc Bourinet and Benoît Guillaume | Surrogate models for lightweight design of a car body structure |
| 46 | Adriano Fabro, Tarun Jain, Neil Ferguson, Roger Halkyard and Brian Mace | An experimental investigation of the natural frequency statistics of a beam with spatially correlated random masses |
| 47 | Helaine Furtado, Rosangela Cintra, Haroldo Campos Velho and Elbert Macau | Neural network for data assimilation method applied to shallow water equation |
| 48 | Sabrina Bergoch Monteiro Sambatti, Vitor Conrado Faria Gomes, Helaine C. M. Furtado, Eduardo F. P. Luz, Haroldo Fraga de Campos Velho and Andrea S. Charão | Determining Initial Condition by FPGA |
| 49 | Thanh-Binh Tran, Emilio Bastidas-Arteaga, Stéphanie Bonnet and Franck Schoefs | Bayesian updating for optimization of inspection schedules of chloride ingress into concrete |
| 50 | Younes Aoues, Emmanuel Pagnacco, Leila Khalij and Didier Lemosse | Reliability based design optimization of a cantilver beam under fatigue life constraints by using the spectral approach. |
| 51 | Nassim Kernou, Youssef Youssef Bouafia Bouafia, Younes Aoues and Eduardo Souza De Cursi | Adaptive Kriging approximation by using pilot points for structural reliability analysis |
| 52 | Sami Daouk, François Louf, Olivier Dorival and Laurent Champaney | On the lack-of-knowledge theory for low and high values of uncertainties |
| 53 | Luca Margheri and Pierre Sagaut | An approach to account uncertainties in a simplified problem of urban pollutant dispersion by means of POD/Kriging-based response surfaces |
| 54 | Wesley Pereira Marcos, José Jean-Paul Z. de S. Tavares and Marco Vinicius Muniz Ferreira | A Pest Control Model of Agriculture Production Systems using Markov Chains |
| 55 | Suélia Rodrigues Fleury, José Manoel Balthazar, Célia Aparecida Dos Reis, Diego Colón, Atila Madureira Bueno, Angelo Marcelo Tusset and Ramesh Raskar | Analysis of the effects of uncertainty applying polynomial chaos to the "Diabetic Passive Stride Dynamics" |
| 56 | Pettras Santos, Sandra Sandri and Haroldo Campos Velho | Uncertainties in dynamic formulated as a classification problem. |
| 57 | Juliana Anochi, Haroldo Campos Velho, Helaine Furtado and Eduardo Luz | Self-configuring two types neural networks by MPCA |
| 58 | Younes Aoues, Abderahman Makhloufi, Philippe Pougnet and Abdelkhalak El-Hami | Reliability –based design optimization of the solder joint of mechatronic systems under cyclic thermal loading |
| 59 | Abderahman Makhloufi, Younes Aoues and Abdelkhalak El-Hami | Reliability estimation of power modules using elctro-thermal-mechanical simulation and probabilistic-based kriging approach |
| 60 | Marcelo Trindade and Heinsten Santos | On the choice of probability density function for the stochastic bonding stiffness of piezoelectric structures |
| 61 | Franck Schoefs, Olivier Pasqualini, Mathilde Chevreuil and Mikael Cazuguel | Partial safety factor calibration from SFE Methods for the propagation of geometrical uncertainties: application to fatigue of marine structures |
| 62 | Changwu Huang, Jie Zhang and Abdelkhalakh El Hami | Parameter calibration in an elastoplastic-damage constitutive model using an inverse method |
| 63 | M Mansouri, A Makhloufi, B Radi and Abdelkhalakh El Hami | Uncertainties and Reliability Based Design Optimization Framework for boat propeller |
| 64 | S Ouhimmou, Abdelkhalakh El Hami and Rachid Ellaia | Reliability Analysis of structures using Probabilistic Transformation |
| 65 | Xingling Tang, Abdelkhalakh El Hami, Mohamed Eid and Khalil El-Hami | Reliability study for the electrostrictive property of single-walled carbon nanotubes based P(VDP-TrFE) composite |
| 66 | Liu Chu, Abdelkhalakh El Hami and Mohamed Eid | Probability design of material property in wing structure of aircrafts |
| 67 | Hafid Zidani, Rachid Ellaia and Eduardo Souza de Cursi | Operational infinite dimensional probabilities and applications |
| 68 | Leandro Cunha, Nubia Saad and Domingos Rade | RELIABILITY ANALYSES OF STRUCTURES INCORPORATING DYNAMIC VIBRATION ABSORBERS |
| 69 | Costas Papadimitriou, Costas Argyris and Dimitra Christina Papadioti | Bayesian Estimation in Complex Structural Dynamics Simulations using Analytical Approximations |
| 71 | Yacine Sahraoui, Alaa Chateauneuf and Rabia Khelif | Reliability-based optimization of maintenance under imperfect inspection of pipelines |
| 72 | Sonjoy Das and Sourish Chakravarty | Modeling of Micro-Cracks into Continuum Material Properties and Their Detection from Macro-scale Observables |
| 73 | Cesar Augusto L L Da Fonseca, Roberta Lima, Gustavo Brattstroem Wagner and Rubens Sampaio | Study of the dynamic absorber in a mechanical system using stochastic approach |
| 75 | Suzanne Varet, Nicolas Vayatis and Pierre Dossantos-Uzarralde | Scoring for the covariances determination of evaluated cross sections |
| 76 | Emilio Bastidas-Arteaga and Mark G. Stewart | Cost-effectiveness of climate change adaptation measures for existing RC structures subjected to chloride ingress |
| 77 | Sudip Dey and Sondipon Adhikari | Uncertainty assessment on natural frequency of laminated composite plates |
| 79 | Domingos Rade | Vibration control under uncertainty |
| 80 | Thiago Ritto | Drill-string dynamics and uncertainties |
| 81 | Franck Schoeffs | Uncertainties modelling from Structural Health monitoring: actual practices and stakes |
| 82 | Maurice Lemaire | Mécanique et Incertain |
| 83 | to be confirmed | to be confirmed |