

Symposium programme

ISUME 2011

Monday, 2 May

CTU in Prague, Faculty of Civil Engineering, room No. B367

9.00 - 12.00	9.00-10.00	J. Chleboun Modeling Uncertainty with Emphasis on Non-Stochastic Approaches
	10.00-10.30	J. Šejnoha Pragmatic Probabilistic Models for Quantification of Tunnel Excavation Risk
	10.30-11.00	D. Jarušková Statistical Modelling of the Thickness of Tunnel Primary Lining Using Random Functions and Principal Component Analysis
	11.00-11.30	O. Špačková Dynamic Bayesian Network Model for Assessment of Tunnel Excavation Risk
	11.30-12.00	M. Krejsa Direct Optimized Probabilistic Calculation - DOProC Method
Lunch		
13.30 - 15.30	13.30-14.30	D. Straub Optimal Decision Making with Incomplete Information or What's the Point of Modeling Uncertainty in Engineering?
	14.30-15.00	J. Fischer Spatial Reliability Assessment of Deteriorating Reinforced Concrete Slabs with Monitoring and Inspection Data
	15.00-15.30	S. Miraglia A Risk Based Approach for the Robustness Assessment of Timber Roof
Coffee break		
16.00 - 18.00	16.00-16.30	C.M.W. Mok Coping With Uncertainty in Water Resources Problems Using Reliability Approach
	16.30-17.00	O.G. Ruíz Santamaría Delays in Construction Tasks
	17.00-17.30	D. Lehký Inverse Reliability Analysis in Structural Design
	17.30-18.00	M. Holický Optimization of the Target Reliability Level in Engineering
Social Evening		

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9.00-12.00	9.00-10.00	H.G. Matthies Parametric Problems, Uncertainty Quantification, and Model Reduction
	10.00-10.30	A. Kučerová Uncertainty Updating in Description of Coupled Transport Processes in Heterogeneous Materials
	10.30-11.00	B.V. Rosić Bayesian Identification for Non-Gaussian Parameters
	11.00-11.30	O. Pajonk A Deterministic Filter for non-Gaussian Bayesian Estimation
	11.30-12.00	K. Runtemund Parameter Identification Using the Skewed Kalman Filter
	Lunch	
13.30-15.30	13.30-14.30	G. Cottone Recent Developments of Fractional Calculus Based Models in Engineering
	14.30-15.00	A. Litvinenko Low-rank Response Surface with Application in Numerical Aerodynamic
	15.00-15.30	M. Sýkora Competitive comparison of load combination models
Coffee break		
16.00-18.00	16.00-16.30	D. Novák Uncertainty Modelling Using Software FReET
	16.30-17.00	M. Vořechovský Correlation Control in Monte Carlo Type Sampling: Theoretical Analysis and Performance Bounds
	17.00-17.30	D. Jürgens A Multi-Scale Framework for Stochastic Analysis of Multi-Phase Material
	17.30-18.00	J. Zeman Microstructurally-Informed Random Field Description: Case Study on Chaotic Masonry
Social Evening		

