

**8:00 Registration****9:00 Opening: Drahomír Novák, Petr Štěpánek, Christian Bucher, Zdeněk Bittnar****Block 1 9:15 – 10:45 Chairman: Drahomír Novák**

9:15	Thomas Most	Christian Bucher	Utilization of the Natural Neighbour Interpolation to simulate random fracture of concrete
9:30	Alfred Strauss	Konrad Bergmeister	Probabilistic modeling as a base for the life time planning
9:45	Barbara Bonfiglioli	Konrad Bergmeister	Numerical modelling and sensitivity analysis at the FRP-concrete interface using SARA
10:00	David Lehký	Drahomír Novák	Material Parameters Identification for Concrete Failure Modeling
10:15	M. Lepš, A. Kučerová, Z. Bittnar	Zdeněk Bittnar	Search for microplane model parameters
10:30	Denise Eberspächer	Konrad Bergmeister	Structural glazing - Geometrical dimensions and statistic evaluations

10:45 Coffee/Tea break**Block 2 11:00 – 12:30 Chairman: Zdeněk Bittnar**

11:00	Benjamin Winkel	Christian Bucher	Development of soft tissue models using finite elements
11:15	Tomáš Koudelka		General Lateral Pressure Theory and Numerical Methods of Solutions
11:30	Richard Vondráček	Zdeněk Bittnar	Application of Sparse Direct Solver on Large Systems of Linear Equations
11:45	Petr Frantík, Jiří Macur	Zbyněk Keršner, Jiří Macur	Special Fast Discrete Dynamic Model of Slender Cantilever Beam
12:00	Václav Losík	Vlastislav Salajka	Dynamic Response of Structure in Fluid Flow
12:10	Zbyněk Vlk	Vlastislav Salajka	Nonlinear dynamics calculations in structure FEM-solvers
12:20	Jiří Buček	Ivan Němec	Structure-soil interaction - contact stress and settlement

12:30 Lunch**Block 3 14:00 – 15:30 Chairman: Petr Štěpánek**

14:00	Shoko Higuchi	Christian Bucher	Life-Cycle-Oriented Reliability-Based Optimum Design of Structures
14:15	Jiří Surovec	Petr Kabele	Modeling the behavior of concrete exposed to high temperatures
14:30	Stefan Häfner	Carsten Könke	A multigrid finite element method for the mesoscale analysis of concrete
14:45	Stefan Eckardt	Carsten Könke	Simulation of the fracture behaviour of concrete using continuum damage models at the mesoscale
15:00	Aleš Kunca	Robert Černý	Lime Plasters with Pozzolanic Admixtures for Historical Buildings...
15:10	Florentina Pernica	Drahomír Novák, Petr Štěpánek	Modelling of Anchorage Block Tests
15:20	Aleš Nevařil	Vlastislav Salajka	Flow-Induced Vibrations of Slender Line-Like Structures
15:30	Jiří Krček	Michal Šejnoha	Homogenization method for the jointed rock mass

15:45 Tea/Coffee break**Block 4 16:00 – 17:50 Chairman: Christian Bucher**

16:00	Maik Brehm	Christian Bucher	The EAS-Method applied on a four-node plane element with internal iteration to model nonlinear...
16:15	Jan Novák	Michal Šejnoha	Modelling of the Charles Bridge Masonry Wall on Meso Scale with Commercial Software
16:30	Roman Gratz	Jiří Kytýr	Analysis of Thermoplastic Structures
16:40	Petr Vymlátíl	Vlastislav Salajka	Dynamic response of a bridge subjected to moving vehicles
16:50	Ladislav Svoboda		Adaptivity in nonlinear problems of elasto-plasticity
17:05	Jan Zeman	Miroslav Černý	Multiscale Modeling of Woven Composites with Imperfect Microstructure
17:20	Stanislav Seitl	Zdeněk Knés	Characterization of constraint effect and estimation of T-stress by finite element method
17:35	Dietmar Bobacz	Konrad Bergmeister	Approaches to Thermo-mechanical Material Modelling of Wood

17:50 Final discussion, closing**18:15 Departure to dinner**