



# MoRePaS 2015 - Model Reduction of Parametrized Systems III

## Thursday, October 15, 2015

**CP2 Poster blitz - Aula Magna Paolo Budinich (4:55 PM - 6:05 PM)**

**-Conveners: Bernard Haasdonk**

time	[id] title	presenter
4:55 P	[M0] Model Order Reduction of Nonlinear Magnetodynamics with Manifold Interpolation	Mr PAQUAY, Yannick
5:00 P	[M5] Physical and constraint DOF reduction of redundant multibody systems using the Proper Orthogonal Decomposition	Mr STADLMAYR, Daniel
5:05 P	[M4] Efficient model reduction of nonlinear parametrized systems by matrix discrete empirical interpolation	Dr MANZONI, Andrea
5:10 P	[M1] Reduced Basis Approximation of Coupled Problems	Mr RADIC, Mladjan
5:15 P	[M9] Stochastic optimal control problem for Markov jump process: asymptotic analysis and algorithms	Dr ZHANG, Wei
5:20 P	[M7] Time-Galerkin integrators for the dynamic simulation of local reduced order models	Dr NAETS, Frank
5:25 P	[M1] Reduced Order Models for Distributed Adaptive Monitoring of Atmospheric Dispersion Processes	Mr RITTER, Tobias
5:30 P	[M5] RBniCS - reduced order modelling in FEniCS	Dr SARTORI, Alberto Dr BALLARIN, Francesco
5:35 P	[M] Model Order Reduction for Pattern Formation in FitzHugh-Nagumo Equation	Prof. KARASOZEN, Bulent
5:40 P	[M] Model order reduction of dynamic skeletal muscle models	MORDHORST, Mylena
5:45 P	[M8] Model Order Reduction via a Balanced Truncation-Interpolation Approach for Gas Networks	Mr LU, Yi
5:50 P	[M3] Isogeometric analysis based reduced order modelling for incompressible viscous flows in parametrized shapes: applications to underwater shape design	SALMOIRAGHI, Filippo
5:55 P	[M4] Computational reduction strategies for bifurcations and stability analysis in fluid-dynamics: applications to Coanda effect in cardiac flows	PITTON, Giuseppe
6:00 P	[M5] Optimal snapshot location for POD model order reduction in optimal control	Mrs GRÄSSLE, Carmen