

Wednesday, April 23rd, 2014

- 08:30 **Registration**
- 09:15 **Opening talk - B. Sudret & D. Ginsbourger**
- 09:30 **Opening lecture - C. Schillings** (ETH Zürich). *Exploiting sparsity in Bayesian inverse problems of parametric operator equations*
- 10:30 **Coffee break**
- 10:50 **S. Sukys** (ETH Zürich). *Multi-level Monte Carlo finite volume methods for stochastic systems of hyperbolic conservation laws*
- 11:20 **D. Jacquemart** (University Rennes I). *Adaptive particle methods for rare event simulation in a Markovian framework*
- 11:50 **J. Nagel** (ETH Zürich). *Bayesian multilevel model calibration for inversion of "perfect" data in the presence of uncertainty*
- 12:20 **Lunch Break**
- 13:30 **PhD Students - Posters session**
- 15:00 **A. Ahidar** (Université Paul Sabatier). *Multivariate quantile surfaces and application to an aircraft problem*
- 15:30 **R. Fischer** (Université Paris-Est). *Modeling dependence under constraint*
- 16:00 **Coffee Break**
- 16:20 **F. Zertuche** (Université Joseph Fourier). *Multi-fidelity regression using a non-parametric relationship*
- 16:50 **S. Nanty** (Université Joseph Fourier). *Uncertainty quantification and visualization for functional random variables*

Thursday, April 24th, 2014

- 08:30 **Registration**
- 09:00 **Conference opening - W. Kröger** (ETH Risk Center)
- 09:15 **C. Prieur** (Université Joseph Fourier). *MascotNum news*
- 09:30 **F. Nobile** (EPF Lausanne). *Discrete least-square polynomial approximations for high dimensional uncertainty propagation*
- 10:30 **Coffee break**
- 10:50 **J.P. Vert** (Institut Curie). *Machine Learning for personalised genomics*
- 11:50 **A. Krause** (ETH Zürich). *Focusing exploration with confidence*
- 12:50 **Lunch Break**
- 14:15 **F.S. Koutsourelakis** (TUM). *Simulation-based, highdimensional stochastic optimization: application in robust topology optimization under large material uncertainties*
- 15:15 **S. Marelli** (ETH Zürich). *UQLab: A framework for uncertainty Quantification in Matlab*
- 16:00 **Coffee Break**
- 16:20 **D. Ginsbourger** (University of Bern). *Incorporating structural priors in Gaussian random field models*

Friday, April 25th, 2014

- 09:00 **P. Koumoutsakos** (ETH Zürich). *Data driven, molecular dynamics for nanoscale fluid mechanic*
- 10:00 **C. Chevalier** (University of Bern), **Y. Richet** (IRSN), **O.Roustant** (EMSE). *ReDICE Consortium*
- 10:30 **Coffee break**
- 10:50 **P. Renard** (Université de Neuchâtel). *Multiple-point statistics as a tool to assess complex spatial uncertainty*
- 11:50 **J. Irving** (University of Lausanne). *Stochastic inverse methods for near-surface geophysical problems*
- 12:50 **Lunch Break**
- 14:15 **J. Wiart** (Orange Labs). *Contribution of Statistics to the numerical assessment of the electromagnetic fields human exposure.*
- 15:15 **Closure**