

Program

Day 0 - Tuesday April 22nd, 2014

18:00 - 19:00	Registration	Dozentenfoyer
18:30 - 21:00	Ice Breaker	ETH main building, Dozentenfoyer

Day 1 - Wednesday April 23rd, 2014

08:30 - 09:15	Registration	Foyer Audi Max
09:15 - 09:30	Opening Talk, B. Sudret / D. Ginsbourger	HG F5
09:30 - 10:30	Opening Lecture by C. Schillings (ETH Zürich)	HG F5 (Chair: C. Schwab)
10:30 - 10:50	Coffee Break	HG EO Süd
10:50 - 11:20	S. Sukys (ETH Zürich). <i>Multi-level Monte Carlo finite volume methods for stochastic systems of hyperbolic conservation laws.</i>	HG F5 (Chair: L. Pronzato)
11:20 - 11:50	D. Jacquemart (University Rennes I). <i>Adaptive particle methods for rare event simulation in a Markovian framework.</i>	
11:50 - 12:30	J. Nagel (ETH Zürich). <i>Bayesian multilevel model calibration for inversion of "perfect" data in the presence of uncertainty.</i>	
12:20 - 13:30	Lunch Break	HG EO Süd
13:30 - 15:00	Poster Session	HG EO Süd
15:00 - 15:30	A. Ahidar (Université Paul Sabatier). <i>Multivariate quantile surfaces and application to an aircraft problem.</i>	HG F5 (Chair: F. Gamboa)
15:30 - 16:00	R. Fischer (Université Paris-Est). <i>Modeling dependence under constraint.</i>	
16:00 - 16:20	Coffee Break	HG EO Süd
16:20 - 16:50	F. Zertuche (Université Joseph Fourier). <i>Multi-fidelity regression using a non-parametric relationship.</i>	HG F5 (Chair: F. Wahl)
16:50 - 17:20	S. Nanty (Université Joseph Fourier). <i>Uncertainty quantification and visualization for functional random variables.</i>	

Day 2 - Thursday April 24th, 2014

08:30 - 09:00	Registration	HG EO Süd
09:00 - 09:15	Conference opening - W. Kröger (ETH Risk Center)	HG F5
09:15 - 09:30	MascotNum news - C. Prieur (Université Joseph Fourier)	
09:30 - 10:30	F. Nobile (EPF Lausanne). <i>Discrete least-square polynomial approximations for high dimensional uncertainty propagation.</i>	HG F5 (Chair: B. Sudret)
10:30 - 10:50	Coffee Break	HG EO Süd
10:50 - 11:50	J.P. Vert (Institut Curie). <i>Machine learning for personalised genomics.</i>	HG F5 (Chair: O. Roustant)
11:50 - 12:50	A. Krause (ETH Zürich). <i>Focusing exploration with confidence.</i>	
11:50 - 12:50	Lunch Break	HG EO Süd
14:15 - 15:15	F.S. Koutsourelakis (TU Munich). <i>Simulation-based, high-dimensional stochastic optimization: application in robust topology optimization under large material uncertainties.</i>	HG F5 (Chair: F. Nobile)
15:15 - 16:00	S. Marelli (ETH Zürich). <i>UQLab: A framework for Uncertainty Quantification in Matlab.</i>	
16:00 - 16:20	Coffee Break	HG EO Süd
16:20 - 17:20	D. Ginsbourger (University of Bern). <i>Incorporating structural priors in Gaussian random field models.</i>	HG F5 (Chair: F. Nobile)
19:30 - 22:30	Conference Dinner	Mensa UZH Zentrum

Day 3 - Friday April 25th, 2014

09:00 - 10:00	P. Koumoutsakos (ETH Zürich). <i>Data driven, molecular dynamics for nanoscale fluid mechanics.</i>	HG F5 (Chair: C. Prieur)
10:00 - 10:30	C. Chevalier (University of Bern), Y. Richet (IRSN), O. Roustant (EMSE). <i>ReDICE Consortium</i>	
10:30 - 10:50	Coffee Break	HG EO Süd
10:50 - 11:50	P. Renard (Université de Neuchâtel). <i>Multiple-point statistics as a tool to assess complex spatial uncertainty.</i>	HG F5 (Chair: H. Monod)
11:50 - 12:50	J. Irving (University of Lausanne). <i>Stochastic inverse methods for near-surface geophysical problems.</i>	
12:50 - 14:15	Lunch Break	HG EO Süd
14:15 - 15:15	J. Wiart (Orange Labs). <i>Contribution of statistics to the numerical assessment of the electromagnetic fields human exposure.</i>	HG F5 (Chair: B. Iooss)
15:15 - 15:30	Closure	HG F5