

**Workshop on: "Numerical Solution of Stochastic Partial Differential Equations"**

**Programme schedule**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>
9:30 – 10:30		<b>Dongbin Xiu</b> Uncertainty analysis for complex systems: algorithms and data – I	<b>Christoph Schwab</b> Convergence rates of stochastic Galerkin FEM for elliptic SPDEs	<b>Roger Ghanem</b> Identification of probabilistic models from data – II
10:30 – 10:50		Coffee Break	Coffee Break	Coffee Break
10:50 – 11:50		<b>Christoph Schwab</b> Sparse adaptive tensor FEM for operator equations with stochastic data	<b>Raul Tempone</b> Stochastic collocation for PDEs with random input data - II	<b>Nicholas Zabarar</b> Data-driven model reduction of stochastic input models with applications to multiscale materials modeling
11:50 – 12:20		<b>Claude J. Gittelsohn</b> Representation of Gaussian Fields in Series with Independent Coefficients	<b>Lorenzo Tamellini</b> A numerical comparison between Stochastic Galerkin and Collocation techniques for elliptic equations with uniform and lognormal random variables	<b>Discussion and Closing remarks</b>
12:20 – 12:50		<b>Giovanni Pistone</b> Computer commutative algebra and polynomials in normal variables	<b>Monica Riva</b> Geostatistical inversion of moment equations of groundwater flow	
12:50 – 14:30	<b>Registration</b>	Lunch	Lunch	Lunch
14:30 – 15:30	<b>Raul Tempone</b> Stochastic collocation for PDEs with random input data - I	<b>Roger Ghanem</b> Identification of probabilistic models from data – I	<b>Olivier Le Maitre</b> Reduced basis approximations for uncertainty propagation	
15:30 – 16:30	<b>Olivier Le Maitre</b> Stochastic projection methods for uncertain flow models	<b>Nicholas Zabarar</b> A dimension-reduction method for stochastic PDEs	<b>Dongbin Xiu</b> Uncertainty analysis for complex systems: algorithms and data – II	
16:30 – 16:50	Coffee Break	Coffee Break	Coffee Break	
16:50 – 17:20	<b>Julie Tryoen</b> A Galerkin method for uncertain hyperbolic systems: Roe solver and Entropy corrector	<b>Lucia Parussini</b> Integration of Fictitious Domain and Chaos Collocation methods for the analysis of geometric uncertainties in Fluid Dynamics	<b>Short communications</b>	
17:20 – 17:50				
20:30		<b>Social Dinner</b>		