











The conference starts on Wednesday, March 21, at 9:30, and ends on Friday, March 23, at 16:30.



Lectures (including poster blitz) will take place in the amphitheater of building S. Coffee breaks will take place in the hall of building S.

Poster sessions, lunches and cocktail will take place in the hall of the building L. The conference dinner will take place in the Bar restaurant du Lieu Unique, 2 rue de la biscuiterie, Quai Ferdinand Favre, Nantes.

David Gaudrie GK. Delipei Shapley indices estimation in multi-physics nuclear transient modeling Thomas Galtier Dependence are structured Reliability with Incomplete modeling Shapley indices estimation in Structural Reliability with Incomplete Dependence Structure Seating Saussian surrogate model of the likelihood function: application to train suspensions monitorin Gaussian process regression for acoustic propagation David Interesting parasition under uncertainty through box representation Ture trainty quantification in large systems of solvers: application to reentering man-made space object trajectory prediction Assessment of Uncertainty Quantification Methods with Applicati		We	ednesday, March 21
Bubs-10465 Gulliaume Obozhaki A unified perspective on convex structured sparsity for vector			
10h45-11h00			
11h00-11h30			A unified perspective on convex structured sparsity for vectors
11h30-12h00 Sophie Marque-Pucheu Surrogate modeling of two nested codes with a functional intermediary variable Surrogate modeling of two nested codes with a functional intermediary variable Surrogates	10h45-11h00	Coffee break	
1360-12400 Sopine Sanquer-Fuched 1260-1240 Melians Ribaud Robustness criterion for kriging based optimization 1260-1240 Melians Ribaud Robustness criterion for kriging based optimization 1260-1240 Split, doubt and design in high dimension with general surrogates Statistical learning in tree-based tensor format 1560-15530 Poster Blitz 1 Estimating a Probability of Failure with Adaptive Multilevel Splitting Stochastic metamodeling applied to desimetry Estimating a Probability of Failure with Adaptive Multilevel Splitting Stochastic metamodeling applied to desimetry Estimating a Probability of Failure with Adaptive Multilevel Splitting Stochastic metamodeling applied to desimetry Estimating a Probability of Failure with Adaptive Multilevel Splitting Stochastic metamodeling applied to desimetry Estimating a Probability of Failure with Adaptive Multilevel Splitting Stochastic metamodeling applied to desimetry Estimating a Probability of Failure with Adaptive Multilevel Splitting Stochastic metamodeling applied to desimetry Estimating a Probability of Failure with Adaptive Multilevel Splitting Stochastic metamodeling applied to desimetry Estimation for computational codes Reliability based sensitivity analysis under distribution parameter uncertainty - Application to erospace systems Statistical metamodeling Stochastic	11h00-11h30	Joseph Mure	Emulation
14h00-14h30 Malek Ben Salem Split, doubt and design in high dimension with general surrogates		1 1	intermediary variable
14h00-14h30 Malek Ben Salem Split, doubt and design in high dimension with general surrogates Surroga			Robustness criterion for kriging based optimization
Statistical learning in tree-based tensor format	12h30-14h00	Lunch	
Lucie Bernard Soumaya Azzi Statimating a Probability of Failure with Adaptive Multilevel Splitting Soumaya Azzi Stochastic metamodeling applied to dosimetry Efficient estimation of the Shapley sensitivity indices for the linear Gaussian model with independent groups of variables Bayesian calibration for computational codes Reliability-based sensitivity analysis under distribution parameter uncertainty - Application to aerospace systems Statistical methodology for second level sensitivity analysis for numerical simulators Shapley effects for sensitivity analysis under distribution Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for numerical simulators Statistical methodology for second level sensitivity analysis for humanical simulators Statistical methodology for second level sensitivity analysis for advantage Statistical methodology for second level sensitivity analysis for porture Statistical methodology for second level sensitivity analysis for potential Statistical methodology for second level sensitivity analysis for potential Statistical methodology for second level sensitivity analysis for potential Statistical methodology for second level sensitivity analysis for potential Statistical methodology for second level sensitivity analysis for potential Statistical methodology for second level sensitivity analysis for potential Statistical me			surrogates
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piecewise deterministic Markovian processes		Xujia Zhu	Surrogating the response PDF of stochastic simulators using
17h30 18h30 Postor session		Thomas Galtier	
	17h30-18h30	Poster session	
18h30-19h30 Cocktail	18h30-19h30	Cocktail	

Thursday, March 22			
9h00-10h30	Julien Mairal	Course: Foundations of Deep Learning from a Kernel Point of View	
10h30-11h00	Coffee break		
11h00-11h45	Gabriel Peyré	Computational Optimal Transport for Imaging and Learning	
11h45-12h30	Nelly Pustelnik	Combining multiresolution analysis and non-smooth optimization for texture segmentation	
12h30-14h00	Lunch		
14h00-14h45	Claire Boyer	On the gap between local recovery guarantees in structured compressed sensing and oracle estimates	
14h45-15h30	Karim Lounici	Principal Component Analysis: a Berry-Esseen Bound for the Spectral Projectors of the Covariance Operator	
15h30-16h15	Julie Josse	Distributed Multi-Level Matrix Completion for Medical Databases	
16h15-16h45	Coffee break		
16h45-17h30	Anne Ruiz-Gazen	Using Invariant Coordinate Selection for outlier detection in high dimension	
17h30-18h15	Guillaume Perrin	Kernel representations for the approximation of the distribution of high-dimensional random vectors	
20h00	Conference dinner		

Friday, March 23			
9h00-10h30	Julien Mairal	Course: Optimization methods for large-scale machine learning and sparse estimation	
10h30-11h00	Coffee break		
11h00-11h45	Gérard Biau	Optimization by Gradient Boosting (joint work with B. Cadre)	
11h45-12h30	Victor Picheny	Combining game theory and Bayesian optimization to solve many-objective problems	
12h30-14h00	Lunch		
14h00-14h15	Rodolphe Le Riche	The OQUAIDO research chair in a nutshell	
14h15-15h00	Albert Cohen	Optimal sampling in weighted least-squares methods. Application to high-dimensional approximation	
15h00-15h45	Yohann De Castro	Un programme SDP pour résoudre le problème des plans d'expériences optimaux	
15h45-16h15	Hervé Monod	GDR Mascot-Num	
16h15-16h30	Closing remarks		