

International Conference on Uncertainty Quantification & Optimisation (UQOP 2020)

TECHNICAL PROGRAMME

CET	Symposium: RBDO Mon 16 Nov	Symposium: IP Tue 17 Nov	Symposium: ENG Wed 18 Nov	Symposium: UQ Thu 19 Nov
9		Symposium opening remarks		
	Opening talk Prof Massimiliano Vasile, UTOPIAE ETN	Keynote: On nonlinear semigroups and model uncertainty in finance <i>Prof Max Nendel, Universität Bielefeld</i>	Symposium opening remarks	Symposium opening remarks
10	Technical Session: Trajectory design and optimisation under epistemic uncertainty	Invited talk: Computing bounds for imprecise continuous-time Markov chains using normal cones <i>Prof Damjan Skulj, Ljubljana University</i>	Keynote: From Uncertainty to Shape Optimization: Cross-Fertilization of Methods for Dimensionality Reduction <i>Dr Matteo Diez, CNR-INM</i>	Invited talk: Bayes Linear Approach to UQ and Decision Support with application to Energy Systems <i>Dr Dario Domingo, Durham University</i>
11			Invited talk: Quantification of uncertainties of a 1.5 stage axial compressor with cavity leakage flows <i>Dr Dirk Wunsch, NUMFLO</i>	Technical Session: Bayesian Statistics & Machine Learning
12	Technical Session: Optimisation under uncertainty using reliability, robustness or resilience metrics	Technical Session		
13			Technical Session	Technical Session: UQ for Dynamic Models & Inverse Problems I
14	Technical Session: Surrogate-based uncertainty quantification in aerospace optimisation	Keynote: Imprecise probability for reliable and robust engineering analysis <i>Prof Edoardo Patelli, University of Strathclyde</i>		
15		Invited Talk: Imprecise inferences over Boolean functions made easy <i>Dr Sebastien Destercke, CNRS</i>	Technical Session	Technical Session: UQ for Dynamic Models & Inverse Problems II
	Keynote: Probabilistic Machine Learning for Simulation-Based Engineering Design and Data-Driven Failure Prognostics <i>Prof Chao Hu, Iowa State University</i>			
16		Technical Session		Keynote: Explaining the distribution of energy consumption at slow charging infrastructure for electric vehicles from socio-economic data <i>Prof Rui Carvalho, Durham University</i>
17	Technical Session: Surrogate-based optimisation	Invited Talk: Imprecise Probability Approaches for the Statistical Modelling of Set-Valued Data <i>Prof Thomas Augustin, LMU Munich</i>	Technical Session	Concluding Remarks
	Wrap up	Wrap up		