

5th Summer School of the IMPRS Magdeburg for Advanced Methods in Process and Systems Engineering

“Decision making and uncertainty”

SPEAKER

	Morning (9:00 – 12:30)	Afternoon (14:00 – 17:30)
Monday, Aug 28, 2017	Sebastian Sager (Otto-von-Guericke University) <i>“Mathematical Optimization for Clinical Decision Support”</i>	Stratos Pistikopoulos (Texas A&M) <i>“Multi-Parametric Model-based Optimization & Control”</i>
Tuesday, Aug 29, 2017	Wolfram Wiesemann (Imperial College Business School) <i>“Introduction to Robust Optimization”</i>	Rolf Findeisen (Otto-von-Guericke University) <i>“Control and Estimation of Systems under Uncertainty”</i>
Wednesday, Aug 30, 2017	Angela Schoellig (University of Toronto) <i>Title: tba</i>	Peter M. Flassig (Rolls-Royce Dtl. Ltd & Co KG) <i>“Optimization Under Uncertainties: Perspectives From a Jet Engine Manufacturer”</i>
Thursday, Aug 31, 2017	Stefano Marelli (ETH Zürich) <i>“Uncertainty quantification and reliability analysis in Engineering”</i>	Stefano Marelli (ETH Zürich) <i>“Tutorial: The (Matlab-based) uncertainty quantification software UQLab”</i>
Friday, Sep 1, 2017	Ignacio E. Grossmann (Carnegie Mellon University) <i>“Recent Theoretical and Computational Advances in the Optimization of Process Systems under Uncertainty”</i>	

ABOUT

The International Max Planck Research School (IMPRS) is jointly organized by the Max Planck Institute for Dynamics of Complex Technical Systems and the Otto-von-Guericke University Magdeburg. A well established element of this graduate school are biennial Summer Schools devoted to specific problems of applied mathematics, chemical engineering and bioengineering.

Internationally well-known experts are invited to give overview lectures on their field of expertise. An important part are tutorials that allow the participants to apply the theoretical knowledge acquired. The doctoral students of the IMPRS Magdeburg as well as PhD students working on similar topics are invited to participate in order to gain new views on their fields of interest. The upcoming Summer School will focus on the currently intensively investigated topic of “Decision making and uncertainty”.

August 28 – September 1, 2017 in Magdeburg, Germany
Max Planck Institute | Otto-von-Guericke University
www.mpi-magdeburg.mpg.de/summerschool