

**International Workshop on Advanced Methods for Control and Estimation of Dynamic Systems (AMCEDs)**

SIST Building, Room 1A-200, ShanghaiTech University, Zhangjiang Campus, 393 Middle Huaxia Road, Pudong, 201210 Shanghai

Monday, July 23, 2018

Time	Speaker	Affiliation	Title
08:30 – 08:45	Welcome and opening		
08:45 – 09:30	Sigurd Skogestad	Norwegian University of Science and Technology, Norway	An overview and evaluation of approaches for online process optimization
09:30 – 10:15	Cesar De Prada	University of Valladolid, Spain	Modifier adaptation methods for RTO
10:15 – 10:30	Coffee break		
10:30 – 11:15	Rolf Findeisen	Otto-von-Guericke University Magdeburg, Germany	Predictive, contract based control for connected autonomous systems
11:15 – 12:00	Gabriele Pannocchia	University of Pisa, Italy	Optimization based control in the presence of uncertainties: offset-free design principles
12:00 – 13:00	Lunch		
13:00 – 13:45	Miroslav Fikar	Slovak University of Technology in Bratislava, Slovakia	Optimal control of membrane processes
13:45 – 14:30	Ali Mesbah	University of California, Berkeley, USA	Generalized chaos expansions with arbitrary probability measures for uncertainty quantification of stochastic nonlinear systems
14:30 – 14:45	Coffee break		
14:45 – 15:15	Radoslav Paulen	Slovak University of Technology in Bratislava, Slovakia	Bi-level optimization approaches to model-based design of experiments
15:15 – 15:45	Jie Lu	ShanghaiTech University, China	Fenchel dual gradient methods for distributed convex optimization over time-varying networks
15:45 – 16:15	Mario E. Villanueva, Boris Houska	ShanghaiTech University, China	Set-based methods for robust control
16:15 – 16:30	Coffee break		
16:30 – 17:30	Discussion on open challenges		
19:00	Dinner		