

Program at a glance

Monday, July 5, 2010

8:30	DYCOPS Opening Ceremony (Room ZVH)			
9:00	<u>Plenary 1</u> : John Baras (Institute of Systems Research, University of Maryland, USA) "Architectures, Modularity and Robustness in Networked Control Systems" (Room ZVH)			
10:00	Coffee Break (Hall)			
10:20	<u>Keynote 1</u> : "Modeling, Control and Inversion of Multi-Phase Equilibrium Reactor Systems", Mohit Aggarwal, Balaji Sukumar, B. Erik Ydstie (Room ZVH)		<u>Keynote 2</u> : "Partial Enumeration MPC: Robust Stability Results and Application to an Unstable CSTR", Gabriele Pannocchia, James B. Rawlings, Stephen Wright (Room A)	
10:50	Room ZVH	Room A	Room B	Room C
	Batch Process Modeling and Control	Modeling and Control of Chemical Processes I	Design, Optimization and Control of Network Systems	Fault Detection, Supervision and Safety of Technological Processes
12:30	Lunch (Leuven)			
14:00	<u>Plenary 2</u> : Biao Huang (Chemical and Materials Engineering, University of Alberta, Canada) "Solid Oxide Fuel Cell: Perspective of Dynamic Modeling and Control" (Room ZVH)			
15:00	Flash Poster Presentation I (Room ZVH)		Flash Poster Presentation II (Room A)	
	Poster Session + Coffee Break (Hall)			
16:30	Room ZVH	Room A	Room B	Room C
	Control of Biomedical and Pharmaceutical Processes	Model Predictive Control	Systems Biology I	Modeling and Identification Methodologies
18:30				

Tuesday, July 6, 2010

8:30	<p align="center"><u>Plenary 3</u>: Marc Lacroix (SOLVAY S.A., Brussels, Belgium) "Control theory, practice and benefits in the chemical industry: status and perspectives" (Room ZVH)</p>			
9:30	<p align="center">Coffee Break (Hall)</p>			
9:50	<p><u>Keynote 3</u>: "A Comparison of Nonlinear State Estimators for Closed-loop Control of Batch Crystallizers", Ali Mesbah, Adrie Huesman, Herman Kramer, Paul M.J. Van den Hof (Room ZVH)</p>		<p><u>Keynote 4</u>: "Rapid Design of System-Wide Metabolic Network Modifications Using Iterative Linear Programming", Laurence Yang, William Cluett, Radhakrishnan Mahadevan (Room A)</p>	
10:20	Room ZVH	Room A	Room B	Room C
	Population Balance Modeling	Monitoring, Modeling and Control of Tubular Reactors	Integrated (Plant Wide) Design and Control	Modeling and Control of Biological Processes
12:00	<p align="center">Lunch (Leuven)</p>			
13:30	Room ZVH	Room A	Room B	Room C
		Modeling and Control of Chemical Processes II	Modeling, Control and Optimization of Energy Systems I	Robust and Reliable Model Identification
15:10	<p align="center">Coffee Break (Hall)</p>			
16:00	<p align="center">Bus departure</p>			
17:00	<p align="center">Visit of « Grand Hornu »</p>			
19:00	<p align="center">DYCOPS Banquet in « Le Pass »</p>			
24:00				

Wednesday, July 7, 2010

8:30	CAB Opening Ceremony (Room ZVH)			
9:00	<u>Keynote 5</u> : "Optimal Control of Transport-Reaction System with Time Varying Spatial Domain", Stevan Dubljevic, James Ng (Room ZVH)	<u>Keynote 6</u> : "Self-Optimizing Control and NCO Tracking in the Context of Real-Time Optimization", Johannes Jäschke, Sigurd Skogestad (Room A)		
9:30	Room ZVH	Room A	Room B	Room C
	Process Analytical Tools (joint with CAB 2010)	Nonlinear Model Predictive Control	Systems Biology II (joint with CAB 2010)	Modeling and Control of Environmental Processes (joint with CAB 2010)
11:10	Coffee Break (Hall)			
11:30	<u>Plenary 4</u> : Olivier Bernard (INRIA-Sophia Antipolis) (joint with CAB 2010) "Hurdles and challenges for modeling and control of microalgae for CO2 mitigation and biofuel production"			
12:30	Lunch (Leuven)			
14:00	Room ZVH	Room A	Room B	Room C
	Process and Performance Monitoring I	Optimization and Control of Continuous Chemical Reactors	Dynamic Process Optimization	Control of Biological Processes (joint with CAB 2010)
16:00	Coffee Break (Hall)			
16:30	Room ZVH	Room A	Room B	Room C
	Process and Performance Monitoring II	Modeling, Control and Optimization of Energy Systems II	Systems Biology III (joint with CAB 2010)	Multi(scale) Modeling of Chemical Processes
18:30				
19:00	DYCOPS - CAB Farewell - Welcome Reception (City Hall Leuven)			