

Program DISC Summer School on Optimization in Control Theory

Conference Centre De Baak Seaside, Noordwijk, The Netherlands
June 11 – June 14, 2012

Monday, June 11, 2012

09.30 - 11.00	Registration and opening	
11.00 – 11.45	Siep Weiland	Introduction to Optimization
12.00 – 12.45	Siep Weiland	Introduction to Optimization
12.45 – 14.15	Lunch	
14.15 – 15.00	Miroslav Krstic	Extremum Seeking I
15.15 – 16.00	Miroslav Krstic	Extremum Seeking I
16.15 – 17.00	Wil Schilders	Optimization via Model Approximation
17.15 – 18.00	Wil Schilders	Optimization via Model Approximation
19.00	Dinner	

Tuesday, June 12, 2012

08.45 – 09.30	Anders Rantzer	Optimal Control and Dynamic Programming
09.45 – 10.30	Anders Rantzer	Model Predictive Control (MPC)
10.30 – 11.00	break in the lounge	
11.00 – 11.45	Anton Stoorvogel	On Stochastic Optimization and Monte-Carlo Experiments
12.00 – 12.45	Anton Stoorvogel	On Stochastic Optimization and Monte-Carlo Experiments
12.45 – 14.15	Lunch	
14.15 – 15.00	Miroslav Krstic	Extremum Seeking II
15.15 – 16.00	Miroslav Krstic	Extremum Seeking II
16.15 – 17.00	Instruction	
17.15 – 18.00	Instruction	
19.00	Dinner	

Wednesday, June 13, 2012

08.45 – 09.30	Anders Rantzer	Performance of MPC Controllers
09.45 – 10.30	Anders Rantzer	Distributed Model Predictive Control
10.30 – 11.00	break in the lounge	
11.00 – 11.45	Anders Helmersson	Tools for LMI-Based Synthesis and Analysis
12.00 – 12.45	Anders Helmersson	Solvers for LMI-Based Synthesis and Analysis
12.45 – 14.15	Lunch	
14.15 – 15.00	Instruction	
15.15 – 16.00	Instruction	
16.15 – 17.00	Tamas Keviczky	Distributed Optimization-Based Control and Estimation
17.15 – 18.00	Orest Iftime	Finite-Dimensional Controller Synthesis for Infinite-Dimensional Systems
19.00	BBQ	

Thursday, June 14, 2012

08.45 – 09.30	Anders Helmersson	LMI-based Synthesis and Analysis
09.45 – 10.30	Anders Helmersson	LMI-based Synthesis and Analysis
10.30 – 11.00	break in the lounge	
11.00 – 11.45	Instruction	
12.00 – 12.45	Instruction	
12.45 – 14.15	Lunch	
14.15 – 15.00	Thijs van Keulen	Numerical Solution for State Constrained Optimal Control Problems
15.15 – 15.45	Gunn Larsen	Distributed Model Predictive Control in an Electrical Power Network
15.45 – 16.00	Closing	