

**Program DISC Summer School on  
Distributed Control and Estimation**

**Conference Centre Leeuwenhorst, Noordwijkerhout  
June 2-5, 2009**

**Tuesday, June 2, 2009**

09.30 - 11.00	Registration and opening	
11.00 - 11.45	Bassam Bamieh	The structure of optimal distributed controllers: what you get for free, and what you can impose
12.00 - 12.45		
12.45 - 14.15	Lunch	
14.15 - 15.00	Ali Jadbabaie	Distributed Motion Coordination: from flocking to synchronization and consensus
15.15 - 16.00	Ali Jadbabaie	Topological tools for coordinate-free coverage verification in mobile sensor networks
16.15 - 17.00	Reza Olfati-Saber	Flocking Theory: Distributed Control of Networked Multi-Robot Systems
17.15 - 18.00		
19.00	Dinner	

**Wednesday, June 3, 2009**

08.45 - 09.30	Reza Olfati-Saber	Distributed Kalman Filtering for Sensor Networks
09.45 - 10.30		
11.00 - 11.45	Cedric Langbort	Computational and Communication Complexity in Distributed Control
12.00 - 12.45		
12.45 - 14.15	Lunch	
14.15 - 15.00	Cedric Langbort	Computational and Communication Complexity in Distributed Control
15.15 - 16.00		
16.15 - 17.00	Andrej Jokic	On control of discrete-time nonlinear systems under arbitrary information constraints
17.15 - 18.00	Tamas Keviczky	On distributed optimization methods in control and estimation
19.00	Dinner	

**Thursday, June 4, 2009**

08.45 - 09.30	Bassam Bamieh	Randomness and Performance in Large Controlled Networks
09.45 - 10.30		
11.00 - 11.45	Karl H. Johansson	Event-based control for distributed systems
12.00 - 12.45		
12.45 - 14.15	Lunch	
14.15 - 15.00	Karl H. Johansson	Event-based control for distributed systems
15.15 - 16.00		
16.15 - 17.00	Michael Rotkowitz	On convex optimization of optimal decentralized controllers
17.15 - 18.00		
19.00	Dinner	

**Friday, June 5, 2009**

08.45 -	09.30	Joris Sijs	State estimation for various sampling methodologies
09.45 -	10.30	Ming Cao	Rigidity graph theory and formation control of teams of autonomous agents
11.00 -	11.45	Michael Rotkowitz	On linear (sub)optimality of decentralized controllers
12.00 -	12.45		
12.45 -	14.15	Lunch	
14.15 -	15.00	Ali Jadbabaie	Spectral analysis of large scale random networks
15.15 -	16.00	Ali Jadbabaie	Vision-based coordination in multi-vehicle systems
16.00 -	16.15	Closing	