

**Program DISC-NWO-DFG Summer School on
Modeling and Control of Distributed Parameter Systems**

**Conferentiehotel Drienerburght, University of Twente, Enschede, The Netherlands
June 17-June 20, 2013**

Monday, June 17, 2013

09.30 - 11.00	Registration and opening	
11.00 - 11.45	Birgit Jacob/Hans Zwart	Welcome and Introduction
12.00 - 12.45		
12.45 - 14.15	Lunch	
14.15 - 15.00	Stefano Stramigioli	PCHS for mechanical systems
15.15 - 16.00	Best Thesis Award	
16.15 - 17.00		Modelling distributed parameters systems
17.15 - 18.00	Laurent Lefèvre	using the port-Hamiltonian approach, part 1
19.00	Dinner	

Tuesday, June 18, 2013

08.45 - 09.30		Modelling distributed parameters systems using
09.45 - 10.30	Laurent Lefèvre	the port-Hamiltonian approach, part 2.
11.00 - 11.45		Hamiltonian finite element methods for
12.00 - 12.45	Onno Bokhove	hydrodynamic waves.
12.45 - 14.15	Lunch	
14.15 - 15.00	Siep Weiland	Structure preserving discretizations of
		infinite dimensional port-Hamiltonian systems
15.15 - 16.00	Arjan van der Schaft	Port-Hamiltonian modeling and analysis
		of reaction-diffusion systems
16.15 - 17.00		Balanced truncation for infinite-dimensional systems
17.15 - 18.00	Timo Reis	- analysis and numerics
19.00	Dinner	

Wednesday, June 19, 2013

08.45 - 09.30		
09.45 - 10.30	Instruction by L.L.	
11.00 - 11.45		Energy-based control of distributed
12.00 - 12.45	Alessandro Macchelli	port-Hamiltonian systems, part 1
12.45 - 14.15	Lunch	
14.15 - 15.00		Linear port-Hamiltonian systems on
15.15 - 16.00	Birgit Jacob	infinite-dimensional spaces
16.15 - 17.00		
17.15 - 18.00		Tour in the Control Engineering Lab
19.00	Dinner	

Thursday, June 20, 2013

08.45 - 09.30		Energy-based control of distributed
09.45 - 10.30	Alessandro Macchelli	port-Hamiltonian systems, part 2
11.00 - 11.45		
12.00 - 12.45	Instruction by A.M.	
12.45 - 14.15	Lunch	
14.15 - 15.00	Markus Schöberl	Geometric Modelling, Analysis and Control of
		Infinite-Dimensional Port-Hamiltonian Systems.
15.15 - 16.00	Closing	