

Program DISC Summer School

A Systems and Control Perspective in Human-Robot-Environment Interaction
Center Parcs, Zandvoort, The Netherlands, June 14-17, 2016

Tuesday June 14, 2016

08.45 – 10.15 Registration
10.15 – 10.30 Organisers
10.30 – 12.00 Bruno Siciliano (1)

12.00 – 13.15 Lunch
13.15 – 14.45 Roy Featherstone
14.45 – 15.00 Break
15.00 – 16.30 Bruno Siciliano (2)
16.30 – 16.45 Break
16.45 – 18.15 Tutorials
18.15 – 20.00 Dinner

Robot Dynamics and Control

Opening Summer School
Past, Present, and Future of Robotics /Applications and Challenges

Robot Multi-Body Dynamics Modeling

Robot Interaction Control

Practice and exchange your ideas with the expert

Wednesday June 15, 2016

08.45 – 10.15 Arjan van der Schaft
10.15 – 10.30 Break
10.30 – 12.00 Stefano Stramigioli
12.00 – 13.15 Lunch
13.15 – 14.45 Aaron Ames

14.45 – 15.00 Break
15.00 – 16.30 Tutorials
16.30 – 16.45 Break
16.45 – 18.15 DISC Researchers
18.15 – 20.00 Dinner

Manipulation and Locomotion

Modeling the Interaction of Physical Systems and Control

Impedance Control and Variable Stiffness Actuation

Control of Hybrid System Models of Robotic Systems:
Bipedal Walking

Practice and exchange your ideas with the expert

Short pitches about DISC robotic research

Thursday June 16, 2016

08.45 – 10.15 Jorge Cortés
10.15 – 10.30 Break
10.30 – 12.00 Ming Cao
12.00 – 13.15 Lunch
13.15 – 14.45 Bert Kappen
14.45 – 15.00 Break
15.00 – 16.30 Tutorials
16.30 – 16.45 Break
16.45 – 18.15 PhD students
18.15 – 20.00 Dinner

Robotic Networks

Distributed Control of Robotic Networks for Deployment

Distributed Control of Robotic Networks for Formation Control

Stochastic Control Theory in Robotic Applications

Practice and exchange your ideas with the expert

Poster session on DISC Robotic Research

Friday June 17, 2016

08.45 – 10.15 TBA
10.15 – 10.30 Break
10.30 – 12.00 David Abbink

12.00 – 13.15 Lunch
13.15 – 14.45 Tutorials
14.45 – 15.00 Closing

Tele-robotics

to be announced

Haptic shared control for physical human-robot interaction – a sensorimotor perspective for design and evaluation

Practice and exchange your ideas with the expert