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, 20)16 Robot	Dynamics and Control
08.45 – 10.15 Regist	ration	
10.15 – 10.30 Organ	isers Openir	ng Summer School
10.30 – 12.00 Bruno	Siciliano (1) Past, P Challer	resent, and Future of Robotics /Applications and nges
12.00 – 13.15 Lunch		
•		Multi-Body Dynamics Modeling
14.45 – 15.00 Break		
	-	pace control / Control of Redundant Manipulators
16.30 – 16.45 Break		
16.45 – 18.15 Tutori		e and exchange your ideas with the expert
18.15 – 20.00 Dinne	r	
Wednesday June 15	5, 2016 Manip	ulation and Locomotion
08.45 – 10.15 Arjan	van der Schaft Passivi	ty-based Control and Port Hamiltonian Formalism
10.15 – 10.30 Break		
10.30 – 12.00 Stefan	no Stramigioli Impeda	ance Control and Variable Stiffness Actuation
12.00 – 13.15 Lunch		
13.15 – 14.45 Aaron	Ames Hybrid	Systems formalisms for Impact Robotics: Bipedal Walking
14.45 – 15.00 Break		
15.00 – 16.30 Tutori	ials Practic	e and exchange your ideas with the expert
16.30 – 16.45 Break		
	-	itches about DISC robotic research
18.15 – 20.00 Dinne	r	
Thursday June 16, 2	2016 Robot	ic Networks
08.45 – 10.15 Jorge	Cortés Distrib	uted Control of Robotic Networks
10.15 – 10.30 Break		
10.30 – 12.00 Ming (Cao Graph	Theory applications in the control of robotic networks
12.00 – 13.15 Lunch		
		stic Control Theory in robotic applications
14.45 – 15.00 Break		
15.00 – 16.30 Tutori		e and exchange your ideas with the expert
16.30 – 16.45 Break		
		session on DISC robotic research
18.15 – 20.00 Dinne	r	
Friday June 17, 2016	6 Tele-r	obotics
08.45 – 10.15 Cristia	n Secchi Telerol	ootics / Control of Multiple Aerial Vehicles
10.15 – 10.30 Break		
10.30 – 12.00 David	Abbink Haptics	5
12.00 – 13.15 Lunch		
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13.15 – 14.45 Tutori	ials Practic	e and exchange your ideas with the expert
13.15 – 14.45 Tutori 14.45 – 15.00 Closin	ials Practic	e and exchange your ideas with the expert