

Program at a glance

Special Sessions (SS) and Workshops (WS)			
Tuesday 12 June 2007	08.00-20.00	Registration	(Conference Service Desk – Foyer)
	09.00-13.00	WS1 - Clinical Perspectives of Hybrid Bionic Systems	(Rvb)
		SS2- Human Motion Analysis and Neurorehabilitation	(JdR2)
		SS5a - Robot Aided Identification of Neuromuscular Properties I	(VSg)
	11.00-13.00	SS1 - Human-Robot Interfaces	(JdR1)
		SS3 - Robotic Wheelchairs (JdR3)	
	13.00-14.00	Lunch (Brasserie and Lounge Circles)	
	14.00-18.00	WS2 - Stroke Rehabilitation	(Rvb)
		SS5b - Robot Aided Identification of Neuromuscular Properties II	(JdR1)
		SS6 - Neural Interfaces for the Control of Robotic Artefacts	(JdR2)
SS7 - Rehabilitation of Hand Function		(JdR3)	
15.00-18.00	SS4 – Touch Sensing for Neurocontrolled Prosthetic Hands	(VSg)	

Day 1			
Wednesday 13 June 2007	07.00-14.00	Registration	(Conference Service Desk – Foyer)
	08.15-08.30	Opening	(JdR1-3)
	08.30-09.15	Plenary Lecture Professor Homayoon Kazerooni	(JdR1-3)
		<i>That which does not stabilize, will only make us stronger.</i>	
	09.15-10.00	Fast Forward Presentations	(JdR1-3)
	10.00-11.30	INT1 - Interactive Sessions	(JdR4-7)
	11.30-13.00	POD1 - Podium Presentations Therapy Robotics I	(JdR1-3)
		1. <i>Task-Oriented Biofeedback System for the Rehabilitation of the Upper Limb (81)</i>	
		2. <i>Intuitive human interactive with an arm robot for severely handicapped people - A One Click approach (113)</i>	
		3. <i>An fMRI compatible haptic interface with pneumatic actuation (136)</i>	
		4. <i>Methods for Evaluating and Improving Interlimb Coordination for Bimanual Robotic Therapy after Stroke (90)</i>	
		5. <i>Development of a Systems Architecture for Robot-Aided Telerehabilitation (36)</i>	
	13.00-14.00	Lunch	(Brasserie and Lounge Circles)
14.00-14.30	Forum Discussion Users on Assistive Robotics	(JdR1-3)	
14.30-16.00	POD2 - Podium Presentations Assistive Robotics I	(JdR1-3)	
	1. <i>Design and Construction of a Robotic Gripper for Activities of Daily Living for people with Disabilities (89)</i>		
	2. <i>The SDM Hand as a Prosthetic Terminal Device: A Feasibility Study (179)</i>		
	3. <i>Grasp force optimization in the design of an underactuated robotic hand (147)</i>		
	4. <i>Progress Towards the Development of a Highly Functional Anthropomorphic Transhumeral Prosthesis (54)</i>		
	5. <i>Optoelectronic-Based Flexible Contact Sensor for Prosthetic Hand Applications (86)</i>		
16.00-16.45	Fast Forward Presentations	(JdR1-3)	
16.45-18.15	INT2 - Interactive Sessions	(JdR4-7)	
18.15-19.00	LAB - Laboratory Presentations	(JdR1-3)	
19.00	Steering Committee Assembly		

Day 2			
Thursday 13 June 2007	08.15-08.30	Opening	(JdR1-3)
	08.30-09.15	Plenary Lecture prof. Frans van der Helm <i>Diagnostic Robotics: Robot manipulators for quantifying position, velocity and force reflex gains.</i>	(JdR1-3)
	09.15-10.00	Fast Forward Presentations	(JdR1-3)
	10.00-11.30	INT3 - Interactive Sessions	(JdR4-7)
	11.30-13.00	POD3 - Podium Presentations Assistive Robotics II 1. <i>Assistive Technology: A novel approach to evaluation (152)</i> 2. <i>Compiling a Medical Device File and a Proposal for an International Standard for Rehabilitation Robots (99)</i> 3. <i>Rehabilitation walker system with standing assistance (42)</i> 4. <i>Design of the Modular Arm Robot System (64)</i> 5. <i>Developing An Intelligent Robotic Arm for Stroke Rehabilitation (180)</i>	(JdR1-3)
	13.00-14.00	Lunch	(Brasserie and Lounge Circles)
	14.00-14.30	Forum Discussion Users on Assistive Robotics	(JdR1-3)
	14.30-16.00	POD4 - Podium Presentations Control 1. <i>Real-Time Control of the Hand by Intracortically Controlled Functional Neuromuscular Stimulation (92)</i> 2. <i>Low level control in a semi-autonomous rehabilitation robotic system via a Brain-Computer Interface (137)</i> 3. <i>Development of Vision-Based Navigation for a Robotic Wheelchair (174)</i> 4. <i>A Configuration-Space Approach to Controlling a Rehabilitation Arm Exoskeleton (51)</i> 5. <i>Biomechanical Design of a Powered Ankle-Foot Prosthesis (68)</i>	(JdR1-3)
	16.00-16.45	Fast Forward Presentations	(JdR1-3)
	16.45-18.15	INT4 - Interactive Sessions	(JdR4-7)
18.15-18.30	"Rock & Rolstoel"	(JdR1-3)	
19.00-23.00	Beach Barbeque Dinner	(Het Zuiderbad – outside hotel)	

Day 3			
Friday 12 June 2007	08.15-08.30	Opening	(JdR1-3)
	08.30-09.15	Plenary Lecture Just Child's Play? <i>- Applications of Robot Assisted Play in Autism Therapy - Professor Kerstin Dautenhahn</i>	(JdR1-3)
	09.15-10.00	Fast Forward Presentations	(JdR1-3)
	10.00-11.30	INT5 – Interactive Sessions	(JdR4-7)
	11.30-13.00	POD5 – Podium Presentations Therapy Robotics II 1. <i>Assistive Technology: A novel approach to evaluation (152)</i> 2. <i>Compiling a Medical Device File and a Proposal for an International Standard for Rehabilitation Robots (99)</i> 3. <i>Rehabilitation walker system with standing assistance (42)</i> 4. <i>Design of the Modular Arm Robot System (64)</i> 5. <i>Developing An Intelligent Robotic Arm for Stroke Rehabilitation (180)</i>	(JdR1-3)
	13.00-13:30	Conference Closing & Awards Ceremony	
	13.30-14.00	Take away Lunchbox	
	14.00-18.00	Rehabilitation Robotics Research Roadmap Discussion	(JdR1-3)