


RehabWeek 2022 - Workshop Program

Day 1: July 25th / Pre-Congress Workshop Day

HALL	Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9	Hall 10	Hall 11	Hall 12
Setup												
08:15 - 09:45	<p><u>Novel Technology for Improving Gait Performance of Children with Cerebral Palsy in Daily Life: Analysis, Design and Development</u> Organizer: Christina Bayon</p>	<p><u>Upper Limb Spasticity After Stroke: Technology-Aided Approaches for Assessment and Treatment</u> Organizer: Raffaele Ranzani</p>	<p><u>Robot-Enhanced Therapy for Children with Neurodevelopmental Difficulties (NNDs)</u> Organizers: Arzu Güneşoğlu Özgür, Thomas Gargot, Salvatore Anzalone</p>		<p><u>Serious Games and Wearable Technologies in Adaptive Rehabilitation of Pediatric Population</u> Organizer: Ilirija Bartone</p>	<p><u>The Social Return on Investment Method to Address the Value of an Innovation, Lab Within a Rehabilitation Centre</u> Organizer: Stephanie Jansen-Kosteren</p>	<p><u>Targeting Function through Invasive and Non-Invasive Applications of Electrical Stimulation after Spinal Cord Injury</u> Organizer: Ashraf Gorgey</p>	<p><u>Intuitive Bidirectional Control of Bionic Limbs: Bridging across Academia, Clinics, and Industry</u> Organizer: Massimo Sartori, Jose Gonzalez, Srirajini Dosen</p>	<p><u>Challenges in Rehabilitation Based on Hybrid Neuroprosthesis</u> Organizer: Satoshi Endo</p>	<p><u>Neurorehabilitation technology: An uncertain journey from basic research to clinical deployment</u> Organizer: Zlatko Matijević</p>	<p><u>The use of lower limb exoskeletons in clinical practice: official launch of the ABLE Exoskeleton</u> </p>	<p><u>Upper Limb Robotics Group Therapy™ Concept: Interconnectivity and Gamification</u> </p>
09:45 - 10:30	Coffee Break											
10:30 - 12:00	<p><u>How Do Clinicians Combine Patient Goals, Clinical Evidence and Neurotechnology to Maximise Patient Recovery in Rehabilitation?</u> Organizer: Alison Bean</p>	<p><u>Modular Robots: A New Approach to Enhancing Rehabilitation Outcomes</u> Organizer: Arun Jayaraman</p>	<p><u>Robot-Enhanced Therapy for Children with Neurodevelopmental Difficulties (NNDs)</u> Organizers: Arzu Güneşoğlu Özgür, Thomas Gargot, Salvatore Anzalone</p>	<p><u>Clinical Protocols for Technology-Assisted Rehabilitation: Which Factors Should Be Addressed and How to Define Them?</u> Organizer: Serena Maggioni, Raffaele Ranzani</p>	<p><u>How to Measure Quality of Movement in Stroke Recovery: Showing the Scene of the SRRR Consensus Meeting</u> Organizer: Gert Kwakkel</p>	<p><u>The methodology of research in rehabilitation technology</u> Organizer: Chiara Arienti</p>	<p><u>Targeting Function through Invasive and Non-Invasive Applications of Electrical Stimulation after Spinal Cord Injury</u> Organizer: Ashraf Gorgey</p>	<p><u>Intuitive Bidirectional Control of Bionic Limbs: Bridging across Academia, Clinics, and Industry</u> Organizer: Massimo Sartori, Jose Gonzalez, Srirajini Dosen</p>	<p><u>Assessing Internal Joint Forces due to Misplacement of Rehabilitation Robots Using Instrumented Dummy Limbs in Context of Safety Testing</u> Organizer: Gerdenke Prange</p>	<p><u>It Takes three to assist: Users, clinicians and engineers to enable design client-centered assistive devices</u> Organizer: Verena Klamroth-Marganska</p>	<p><u>Translational Research using Advanced Rehabilitation Technologies</u> </p>	<p><u>Connection is Key - Experiences using the Tyro Therapy Rehabilitation Concept</u> </p>
12:00 - 13:45	Lunch											
13:45 - 15:15	<p><u>Music in neurorehabilitation - Nimmix®: Physiological and cognitive effects of music feedback training</u> </p>	<p><u>Opportunities to Rise Above: Innovative, Transdisciplinary Implementation of Body Weight Support in Inpatient Rehabilitation</u> Organizer: Jess Vaughn</p>	<p><u>High-end Interactive Gait Rehabilitation Technology: From Fundamental Research Towards the Clinic</u> Organizer: Maarten Prins</p>	<p><u>Modelling and Control Strategies in Lower Limb Exoskeletons for Gait Rehabilitation After Brain Injury</u> Organizer: Josep Maria Font-Llagunes, Joan Lobo-Prat, Laura Marchal-Crespo, Massimo Sartori</p>	<p><u>Ends of training with TeVi: a health application to support individualized home-based aerobic training</u> Organizer: Erik Voorn</p>	<p><u>Patients Engagement and Technologies for Rehabilitation and Prosthetics</u> Organizer: Giugino Barresi</p>	<p><u>Abdominal Functional Electrical Stimulation (AFES) for the treatment of Neurogenic Bowel</u> Organizer: Christine Singleton</p>	<p><u>Technologies in Optimize Ankle Foot Orthoses for Improving Patient Outcomes</u> Organizer: Niels Waterval</p>	<p><u>Can the Collaboration Between Engineers and Clinicians Enhance the Objectiveness, Sensitivity and Reproducibility of Clinical Functional Assessment Methods?</u> Organizer: Clara Sarr-Moreno</p>	<p><u>Soft-Robotic Glove: From Development to Market Uptake in Context of Medical Device Regulation</u> Organizer: Gerdenke Prange</p>	<p><u>From theory to practice: continuum of lower extremity gait and balance training</u> </p>	<p><u>Interactive Online Computer Gaming Platform for Rehabilitation of Children With Cerebral Palsy</u> </p>
15:15 - 16:00	Coffee Break											
16:00 - 17:30		<p><u>From Research to Clinic: Implementation of Technology Assisted Assessment and Training Protocols</u> Organizer: Evelyn Wiskerke</p>	<p><u>Clinical Implementation of a Robotics Program Into a Rehabilitation Continuum</u> Organizer: Trent Maruyama</p>	<p><u>Modelling and Control Strategies in Lower Limb Exoskeletons for Gait Rehabilitation After Brain Injury</u> Organizer: Josep Maria Font-Llagunes, Joan Lobo-Prat, Laura Marchal-Crespo, Massimo Sartori</p>		<p><u>Patients Engagement and Technologies for Rehabilitation and Prosthetics</u> Organizer: Giugino Barresi</p>		<p><u>Robot Typing in Human Motor Learning: Challenges and Opportunities</u> Organizer: Edoardo Iannettoni Avila-Mirales</p>	<p><u>Computational Modeling of Movement Control for Bionic Limbs and Hands</u> Organizer: Nils Chaffman</p>	<p><u>Digital Biomarkers and Prediction Models for Upper Limb Precision Neurorehabilitation after Stroke</u> Organizer: Christoph Matthias Fankner</p>	<p><u>Value-Based Healthcare Along the Continuum of Care: Real-Time Data, Measuring Outcomes, and Reporting</u> </p>	

Application of Rehabilitation Technology
Development of Rehabilitation Technology

FES
Virtual Rehabilitation

Industry
General Rehabilitation Topics

General Topics