

RehabWeek 2022 - Workshop Program

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

HALL Setup	Workshop Room 1 Dock 10A (Level 2)	Workshop Room 2 Dock 10B (Level 2)	Workshop Room 3 Port 1A (Level 3)	Workshop Room 4 Port 1B (Level 3)	Workshop Room 5 Dock 13 (Level 2)	Workshop Room 6 Dock 14 (Level 2)	Workshop Room 7 Dock 15 (Level 2)	Workshop Room 8 Dock 16 (Level 2)	Workshop Room 9 Dock 12 (Level 2)	Workshop Room 10 Port 2 (Level 3)	Workshop Room 11 Port 3 (Level 3)	Workshop Room 12 Port 4 (Level 3)		
08:15 - 09:45	Novel Technology for Improving Gait Performance of Children with Cerebral Palsy in Daily Life: Analysis, Design and Development Organizer: Christina Bayon	Upper Limb Spasticity After Stroke: Technology-Aided Approaches for Assessment and Treatment Organizer: Raffaele Ranzani	The use of lower-limb exoskeletons in clinical practice: official launch of the ABLÉ Exoskeleton 	Upper Limb Robotics: Group Therapy™ Concept: Interconnectivity and Gamification Rehabilitation of Pediatric Population Organizer: Ilana Rortman	Serious Games and Wearable Technologies in Adaptive Rehabilitation of Pediatric Population Organizer: Ilana Rortman	The Social Return on Investment Method to Address the Value of an Innovation Lab Within a Rehabilitation Centre Organizer: Stephanie Jansen-Kosterink	Intuitive Bidirectional Control of Bionic Limbs: Bridging across Academia, Clinics and Industry Organizer: Massimo Sartori, Jose Gonzalez, Strahinja Dosen	Targetive Function through Invasive and Non-invasive Applications of Electrical Stimulation after Spinal Cord Injury Organizer: Ashraf Gorgey	Challenges in Rehabilitation Based on Hybrid Neuroprostheses Organizer: Satoshi Endo	NeuroRehabilitation Technology: An innovation journey from basic research to clinical deployment Organizer: Zlatko Malacic	Robot-Enhanced Therapy for Children with Neurodevelopmental Difficulties (NDDs) Organizers: Arzu Güneşoğlu Özgür, Thomas Gergot, Salvatore Arzuffante			
09:45 - 10:30			Coffee Break											
10:30 - 12:00	How Do Clinicians Combine Patient Goals, Clinical Evidence and Neurotechnology to Maximise Patient Recovery in Rehabilitation? Organizer: Alison Bean	Modular Robots: A New Approach to Enhancing Rehabilitation Outcomes Organizer: Arun Jayaraman	Translational Research using Advanced Rehabilitation Technologies 	Multimodal Treatment of the Lower Limb - Engineering, Evidence, and Clinical Application 	How to Measure Quality of Movement in Stroke Recovery: Showing the Scene of the SRRR Consensus Meetings Organizer: Gerrit Kwakkel	The methodology of research in rehabilitation technology Organizer: Chiara Arienti	Intuitive Bidirectional Control of Bionic Limbs: Bridging across Academia, Clinics and Industry Organizer: Massimo Sartori, Jose Gonzalez, Strahinja Dosen	Targetive Function through Invasive and Non-invasive Applications of Electrical Stimulation after Spinal Cord Injury Organizer: Ashraf Gorgey	Assessing Internal Joint Forces due to Misalignment of Rehabilitation Robot Limbs Instrumented Dummy Limbs in Context of Safety Testing Organizer: Gerdenke Prange	It Takes Three to Assist: Users, clinicians and engineers lockstep design client-centred assistive devices Organizer: Verena Klamroth-Marganska	Robot-Enhanced Therapy for Children with Neurodevelopmental Difficulties (NDDs) Organizers: Arzu Güneşoğlu Özgür, Thomas Gergot, Salvatore Arzuffante	Clinical Protocols for Technology-Assisted Rehabilitation: Which Factors should be Addressed and How to Define Them? Organizer: Serena Maggioni, Raffaele Ranzani		
12:00 - 13:45			Lunch											
13:45 - 15:15	Music in neurorehabilitation - Jamin®: Physiological and cognitive effects of music feedback training 	Opportunities to Rise Above: Innovative, Transdisciplinary Implementation of Body Weight Support in Inpatient Rehabilitation Organizer: Jessi Vaught	From theory to practice: continuum of lower extremity gait and balance training 	Interactive Online Computer Gaming Platform for Rehabilitation of Children With Cerebral Palsy 	Keep on training with REVIL: mHealth application to support individualized home-based aerobic training Organizer: Eric Voorn	Patients Engagement and Technologies for Rehabilitation and Prosthetics Organizer: Giugino Barresi	Technologies to Optimize Ankle Foot Pathways for Improving Patient Outcomes Organizer: Niels Wittenbal	Abdominal Functional Electrical Stimulation (AFES) for the Treatment of Neurogenic Bowel Dysfunction Organizer: Christine Singleton	Can the Collaboration Between Engineers and Clinicians Enhance the Effectiveness, Sensitivity and Reproducibility of Clinical Functional Assessment Methods? Organizer: Clara Sassi-Moretti	Soft Robotics: Glow: From Development to Market Update in Context of Medical Device Registration Organizer: Gerdenke Prange	High-end Interactive Gait Rehabilitation Technology: From Fundamental Research Towards The Clinic Organizer: Maarten Prins	Modelling and Control Strategies in Lower Limb Exoskeletons for Gait Rehabilitation After Brain Injury Organizer: Josep Maria Font-Llagunes, Joan Lobo-Piñat, Laura Marchal-Crespo, Massimo Sartori		
15:15 - 16:00			Coffee Break											
16:00 - 17:30		From Research to Clinic: Implementation of Technology Assisted Assessment and Training Protocols Organizer: Evelyn Wisnerke	Value-Based Healthcare Along the Continuum of Care: Real-Time Data, Measuring Outcomes and Reporting 	Measuring wheelchair performance and propulsion technique - the added value in clinical practice 		Patients Engagement and Technologies for Rehabilitation and Prosthetics Organizer: Giugino Barresi	Robot Tutoring in Human Motor Learning: Challenges and Opportunities Organizer: Edwin Johnatan Avila-Miranda		Computational Modeling of Movement Control for Bionic Limbs and Hands Organizer: Nils Chauvin	Digital Biomarkers and Prediction Models for Upper Limb Precision Neurorehabilitation after Stroke Organizer: Christoph Matthias Kante	Clinical Implementation of a Robotics Program into a Rehabilitation Continuum Organizer: Trent Maruyama	Modelling and Control Strategies in Lower Limb Exoskeletons for Gait Rehabilitation After Brain Injury Organizer: Josep Maria Font-Llagunes, Joan Lobo-Piñat, Laura Marchal-Crespo, Massimo Sartori		

 Application of Rehabilitation Technology
 Development of Rehabilitation Technology

 FES
 Virtual Rehabilitation

 Industry
 General Rehabilitation Topics

 General Topics