

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	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	Robot-Enhanced Therapy for Children with Neurodevelopmental Difficulties (INDs) Organizers: Arzu Güneşoğlu Özgür, Thomas Gargot, Salvatore Anzalone		Serious Games and Wearable Technologies in Adaptive Rehabilitation of Pediatric Population Organizer: Maria Bortone	The Social Return on Investment Method to Address the Value of an Innovation Lab Within a Rehabilitation Centre Organizer: Stephanie Jansen-Kosterink	Targeting Function through Invasive and Non-invasive Applications of Electrical Stimulation after Spinal Cord Injury Organizer: Ashraf Gorgey	Initiative Bidirectional Control of Bionic Limbs: Bridging across Academia, Clinics, and Industry Organizer: Massimo Sartori, Joost Gonzalez, Strahinja Dosen	Challenges in Rehabilitation: Boredom in Hybrid Neuroprostheses Organizer: Satoshi Endo	Neurorehabilitation technology: An uncertain future from basic research to clinical deployment Organizer: Zlatka Matkovic	The use of lower-limb exoskeletons in clinical practice: official launch of the ABLE Exoskeleton 	Upper Limb Robotics GroupTherapy™ Concept: Interconnectivity and Gamification 
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	Robot-Enhanced Therapy for Children with Neurodevelopmental Difficulties (INDs) Organizers: Arzu Güneşoğlu Özgür, Thomas Gargot, Salvatore Anzalone	Clinical Protocols for Technology-Assisted Rehabilitation: Which Factors Should be Addressed and How to Define Them? Organizer: Serena Magagnoli, Raffaele Ranzani	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	Targeting Function through Invasive and Non-invasive Applications of Electrical Stimulation after Spinal Cord Injury Organizer: Ashraf Gorgey	Initiative Bidirectional Control of Bionic Limbs: Bridging across Academia, Clinics, and Industry Organizer: Massimo Sartori, Joost Gonzalez, Strahinja Dosen	Assessing Internal Joint Forces due to Mismatch of Rehabilitation Robots Using Instrumented Dummy Limbs in Context of Safety Testing Organizer: Gerdenke Prange	It takes three to assist: Users, clinicians and engineers together design client-centered assistive devices Organizer: Verena Klamroth-Marganska	Translational Research using Advanced Rehabilitation Technologies 	Multimodal Treatment of the Lower Limb - Engineering, Evidence, and Clinical Application 
12:00 - 13:45	Lunch											
13:45 - 15:15	Music in neurorehabilitation - Jemini™: Physiological and cognitive effects of music feedback training 	Opportunities to Rise Above: Innovative Transdisciplinary Implementation of Body Weight Support in Inpatient Rehabilitation Organizer: Jesse Vaught	High-end Interactive Gait Rehabilitation Technology: From Fundamental Research Towards the Clinic Organizer: Maarten Pijns	Modelling and Control Strategies in Lower Limb Exoskeletons for Gait Rehabilitation After Brain Injury Organizer: Joop Maria Font-Llagunes, Joan Lobo-Prat, Laura Marchal-Crespo, Massimo Sartori	Keep on training with BeVi! mHealth application to support individualized home-based aerobic training Organizer: Eric Voorn	Patients Engagement and Technologies for Rehabilitation and Prosthetics Organizer: Giaginto Barresi	Abdominal Functional Electrical Stimulation (AFES) for the treatment of Neurogenic Bowel Organizer: Christie Singleton	Technologies to Optimize Ankle Foot Orthoses for Improving Patient Outcomes Organizer: Nick Waterval	Can the Collaboration Between Engineers and Clinicians Enhance the Objectiveness, Security and Reversibility of Clinical Functional Assessment Methods? Organizer: Clara Saez-Moreno	Soft Robotic Glove: From Development to Market Uptake in Context of Medical Device Regulation Organizer: Gerdenke Prange	From theory to practice: continuum of lower extremity gait and balance training 	Interactive Online Computer Gaming Platform for Rehabilitation of Children With Cerebral Palsy 
15:15 - 16:00	Coffee Break											
16:00 - 17:30		From Research to Clinic: Implementation of Technology Assisted Assessment and Training Protocols Organizer: Evelyn Wickerke	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: Joop Maria Font-Llagunes, Joan Lobo-Prat, Laura Marchal-Crespo, Massimo Sartori		Patients Engagement and Technologies for Rehabilitation and Prosthetics Organizer: Giaginto Barresi		Robot Training in Human Motor Learning: Challenges and Opportunities Organizer: Edwin Johnatan Avila-Mirreles	Computational Modeling of Movement Control for Bionic Limbs and Hands Organizer: Niu Chuanjun	Digital Biomarkers and Prediction Models for Upper Limb Precision Neurorehabilitation after Stroke Organizer: Christoph Matthias Kuntler	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 

Application of Rehabilitation Technology
 Development of Rehabilitation Technology
 FES
 Virtual Rehabilitation
 Industry
 General Rehabilitation Topics
 General Topics

SPECIAL WORKSHOP ON WEDNESDAY JULY 27 AT 08:00 - 09:00

ACCESS FREE for the company representatives of RehabWeek sponsors and exhibitors interested in the European market

Workshop Title: **Vademecum MDR™ – “The Handbook for MDR – Guidelines and Templates for Market Access of Orthopaedic Devices According to the Medical Device Regulation**