

RehabWeek 2023 - Workshop Program - September 24, 2023

Hall Name	Workshop Room 1	Workshop Room 2	Workshop Room 3	Workshop Room 4	Workshop Room 5	Workshop Room 6	Workshop Room 7	Workshop Room 8	Workshop Room 9	Workshop Room 10	Workshop Room 11	Workshop Room 12
08:15 - 09:45	<p>W01 XCognitive rehabilitation for dementia</p> <p>Organizer: Ariene Astell Speakers: Shital Desai, Rochelle Michaud Virtual Speaker: TBA.</p>	<p>W02 Ethical Implications of Artificial Intelligence and Sensing Devices in Rehabilitation</p> <p>Organizer: Shehroz Khan Speakers: Ryan Koh, Yue Li, Dineeth Kumbharg Virtual Speakers: Yiyuan Mollayegh, Lynn Haslam-Larmer, Andria Bianchi</p>	<p>W03 The Challenge of Timely Robot-Assisted Gait Therapy in Patient's Individual Needs: What to Tune? That's the Question</p> <p>Organizer: Cristina Bayle, Edwin van Asselstock and Eduardo Rozon Speakers: Alejandro Meléndez-Caldéron, Florian Van Pellen, Thomas Bula, Weng L. Tagliamonte, Laura Marchal-Crespo</p>	<p>W04 Hyperbaric Oxygen Therapy in Multidisciplinary Approach to Neuro-rehabilitation in Persons with Brain Injury</p> <p>Organizer: Abhishek Srivastava Speakers: Navita Vyas, Abhishek Srivastava.</p>	<p>W05 ICF Based, App-Integrated Initial Patient Assessment - How can we Generate Activity Based, Patient Focused Therapy Goals With Structured Core Sets?</p> <p>Organizer: Dennis Veit Speakers: Simon Krenn, Soghra Frueh, Laura Merriott</p>	<p>W06 The Spectrum of Gait Training</p> <p>Organizer: Jake Kee Speakers: Jake Kee, Lukas Dufault</p>	<p>W04 Novel Educational Pathways in Rehabilitation</p> <p>Organizer: Chris Easthope Awar Speakers: Desiree Beck, Arun Jayaraman, Zen Koh, Alessandro Pedrocchi, Richard Lillis, Franco Molteni, Amy Dennis-Jones Virtual Speaker: Alison Watt</p>	<p>W08 Brain Computer Interfaces for Rehabilitation and Assistance: Moving from the Lab to the Clinic</p> <p>Organizer: Nicole Wenderoth Speakers: Cundi Guan, Jose del R Millán, Surja Soekadar, Kathy Roddy</p>	<p>W09 Natural Interfacing and embedding of assistive and rehabilitation technologies</p> <p>Organizer: Patricia Caspi-Morales, Darío Farina, Cristina Piazza Speakers: Shervin Mirza, Helen Huang, Silvia Mucci, Blair Lock, Jose Gonzalez</p>	<p>W10 Fostering Successful Implementation and Adoption of Digital Technology</p> <p>Organizer: Kathryn Jarvis Speakers: Rachel Stockley, Sureshkumar Kamalakannan, Kathryn Jarvis</p>	<p>W11 Care discussion in feasibility of Telerehabilitation with Seniors, with Desconditioning conditions in Singapore</p> <p>Organizer: Sylvia Lew Speakers: Felicia Teow, Charmaine Koh, Cheng Jing Wen, Mabaso Ruel Esteron, Irene Toh</p>	<p>W12 Advances in Electrical Stimulation Therapies After Spinal Cord Injury</p> <p>Organizer: David Dolbow Speakers: Glen Davis, David Dolbow, Ashraf George, Ines Bersch</p>
09:45 - 10:30	Coffee Break											
10:30 - 12:00	<p>W13 Value-Based Neuro-Therapy – What is Needed for Useful Data Interpretation? A Use Demonstration of Data-Driven Robotic Gait Therapy, Intra-Session Labeling and Near-Time Data Reporting</p> <p>Organizer: Dennis Veit, R. Alison Watt Speakers: Dennis Veit, Rupert Klubs, Paulier, Gernot Grömler</p>	<p>W14 Building Capacity to Engage End-Users in Advanced Technology Implementation throughout a Continuum of Care</p> <p>Organizer: Amber M Walker Speakers: Matt Wilks</p>	<p>W15 From brain recovery knowledge, to best clinical practice and technological tools: development, Neurovision and Dualshok as examples</p> <p>Organizer: Manuel Murie-Fernandez Speakers: Manuel Murie-Fernandez, Carmen Bhamonde</p>	<p>W16 Upper limb robotics and their influence on functional connectivity and motor network changes after stroke: an evidence-based practice framework</p> <p>Organizer: Jose Lopez Speakers: Jose Lopez, Cristina Vazquez, Chen Oim Leang Virtual Speakers: TBA</p>	<p>W17 Family Based Rehabilitation in Developing and under developed countries</p> <p>Organizer: Nirmal Surya Speakers: Nirmal Surya, Srivastava, Abhishek, Hitay Someshwar</p>	<p>W18 recoverIX - The Unique Stroke Neurorehabilitation for Stroke of Any Stages</p> <p>Organizer: Christy Li Speakers: Marc Sebastian, Christoph Gueter</p>	<p>W19 Multichannel FES for gait rehabilitation after stroke</p> <p>Organizer: Soetens Elodie Speakers: Lena Popovic-Mannski, TBA</p>	<p>W20 Balance Control for Lower-Limb Prostheses and Exoskeletons</p> <p>Organizer: Maura Evid & Edwin van Asselstock Speakers: Aaron Young, Elodie Dullin, Nishi Soekobahis, Michael Rafter,</p>	<p>W21 Human Modeling in Rehabilitation Robotics</p> <p>Organizer: Giacinto Barresi Speakers: Giacinto Barresi, Federico Tessari, Lorenzo De Micheli, Antonio Mariani, Elisabetta Biondini, Michael Holmes, Ang Wei Tech, Herman van der Kooij, Claudio Castellini</p>	<p>W22 Transfer of Research into Clinics for Upper Extremity Assessment in Cervical Spinal Cord Injury – The Patient Gain of Clinician, Therapist, and Engineer Collaboration</p> <p>Organizer: Cristian Federico Pablosky Speakers: Jan Friden, Ines Bersch, Cristian Pablosky, Marina Alberty</p>	<p>W23 Boosting the Implementation of TeleAssessments for Individuals With Stroke</p> <p>Organizer: Lena Sauerzopf, Michael Sw, Raymond Franca, B. Sarmento, Martina Spies Speakers: Marlon Spies, Lena Sauerzopf, Michael Sw, Raymond Franca, B. Sarmento, Thery Keller, Liliana Parades</p>	<p>W24 Impact of simultaneous spinal stimulation and other neuromodulatory techniques on recovery following neurological injuries</p> <p>Organizer: Aun Jaysaman Speakers: Monica Perez, Gail Forrester, Chen Yang, Aun Jaysaman</p>
12:00 - 13:45	Lunch											
13:45 - 15:15	<p>W25 Applications of Wearable Technology in Rehabilitation: Measuring and Restoring Function in Our Patients</p> <p>Organizer: Megan K. O'Brien, Arun Jaysaman, Jose Lopez Virtual Speakers: Yue Wen</p>	<p>W26 Restoring Hope, Rehabilitation, Lives: Transformation of Clinical Practice, with Rehabilitation Technology</p> <p>Organizer: Sook Kwee Wee Speakers: Peter Poon, Sui Goh, Seng Kwee Wee, Leih Yong Joo, Ooi Poo Lee, Christopher Kwah Wai Keong, Phua Min Wei, Ni Chwee Yin, Terkin Pumbert</p>	<p>W27 Exploring the Scientific Principles and Technologies of Neurorehabilitation</p> <p>Organizer: Shimoda Shingo Speakers: Fady Alalawi, An Qi, Shingo Shimoda, Juan Morales, Yasuhiko Hirata, Yang Ningta Virtual Speakers: TBA</p>	<p>W28 How Advancing Technologies Complement Clinical Practice in Specialist Residential Rehabilitation: An Exploration of Practical Application and Protocol Development</p> <p>Organizer: Toria Chan Speakers: Lucy Greenstein, Kostas Falidakis, Colette Shaw, Toria Chan</p>	<p>W29 Brain monitoring and modulation for advancing of physical-abilities in therapy and caregiving</p> <p>Organizer: Chuanmin M. Niu Speakers: Qing Xu, Chuanmin Niu, Honghai Liu, Wayne Feng, Chaoshu Zhu, Ping Zhou</p>	<p>W31 Instrumented Dummy Limbs for the Assessment of Safety and Performance of Wearable Robots</p> <p>Organizer: David Rodriguez-Cianca Speakers: Diego Torricelli, Gerardo Prieto, Jan Veneman, Frank Kwak, Hideo, Samuel Bach, Eichi Yoshida</p>	<p>W32 Re-Envisioning Clinical Research Evidence for Rehabilitation Technology to Support Integration to Practice</p> <p>Organizer: Rosalie H Wang Speakers: Rosalie H Wang, Nina Hwang, Aaron Yuskowich, José López Sánchez, Amy Dennis-Jones Heather Colquhoun</p>	<p>W33 Bridging clinics, research, and industry: how to design user-centered rehabilitation technologies?</p> <p>Organizer: Andrea Marinelli, Marco Bulli, Ann Bechtel, Emily Bode Speakers: Lorenzo De Micheli, Mattia Laffranchi, Emanuele Gruppioni, Franco Molteni, Strahinja Dosen, Claudio Castellini, Zhi Fang Tai, Jose Gonzalez</p>	<p>W34 Mobile Health for Rehabilitation in Low- and Middle-Incomes Countries</p> <p>Organizer: Ramin Bannochie Speakers: Bruno Bannochie, Al-Batala, Swagata Guddeti, Judith, Maria Mollison, Ken Masani Virtual Speaker: Cesar Marquez-Chin</p>	<p>W35 Take home messages for successful implementation of FES therapy in your clinic: What to do and not to do</p> <p>Organizer: Mattia Mollison Speakers: Miles Poojic, Naaz Desai, Mattia Mollison, Ken Masani Virtual Speaker: Cesar Marquez-Chin</p>		
15:15 - 16:00	Coffee Break											
16:00 - 17:30	<p>W37 Communication and Swallowing are Central to Life! An Interactive Exploration of Neurotechnology for Speech and Language Therapy Throughout a Stroke Patient's Recovery: Successful Interdisciplinary Collaboration</p> <p>Organizer: Christy Bibby Speakers: Christy Bibby, Laura Manoni, Amy Dennis-Jones</p>	<p>W38 Automated Gait Pattern Facilitation with Advanced Closed Loop Control Algorithm: Opportunities and Challenges in Clinical Practice</p> <p>Organizer: Juan Pablo Gonzalez Apekenen Speakers: Matt Gillhorn, Juan Pablo Gonzalez Apekenen, Kelly Breen, Matias Hoesmann</p>	<p>W39 Bringing Technology-Assisted Upper Limb Neurorehabilitation From Clinic to Home: An Interdisciplinary Perspective</p> <p>Organizer: Simona Kager, Biao-Biao Chen, Oliver Landbeck Speakers: Esterio Hernandez, Asif Hussain, Tejan Kate Plunkett, Jacqueline Mair, Ludovic Douat</p>	<p>W40 Is technology ready for everyday clinical assessments?</p> <p>Organizer: David Rodriguez-Cianca Speakers: David Rodriguez-Cianca, Clara Sainz-Moreir, Maria Isabel Sinovas-Alonso, Emilio Trigo</p>	<p>W41 Experience the Innovation in the Continuum of Upper Limb Rehabilitation</p> <p>Organizer: Veronica Garcia Speakers: Claudio Pizzolato, Veronica Garcia-Marin, Matthias Nef, Iliriana Paredis</p>	<p>W42 Holistic development and implementation of rehabilitation technologies</p> <p>Organizer: Evelina Graf, Martina Spies Speakers: Martina Spies, Evelina Graf, Gernot Grömler, Lena Sauerzopf</p>	<p>W43 Intuitive Bidirectional Control of Bionic Limbs: Bridging Access, Academia, Clinics, and Industry</p> <p>Organizer: Jose Eduardo Gonzalez, Strahinja Dosen, Martina Sartori, Herman van der Kooij Speakers: Huang, Helein, De Micheli, Lorenzo, Catalano, Manuel Harcourt, Lew, Gonzalez, Zhi, Kiemmy Abbas Virtual Speakers: Herr, Huo</p>	<p>W44 Hybrid FES robotics: from design challenges to clinical perspectives</p> <p>Organizer: Enlisa Ambrosini Speakers: Lorenza Misak, Ferrarini, Simona, Alessandra Pedrocchi, Marco T' Mollin Virtual Speaker: Franco Molteni</p>	<p>W45 Hybrid FES robotics: from design challenges to clinical perspectives</p> <p>Organizer: Enlisa Ambrosini Speakers: Lorenza Misak, Ferrarini, Simona, Alessandra Pedrocchi, Marco T' Mollin Virtual Speaker: Franco Molteni</p>	<p>W46 Hybrid FES robotics: from design challenges to clinical perspectives</p> <p>Organizer: Enlisa Ambrosini Speakers: Lorenza Misak, Ferrarini, Simona, Alessandra Pedrocchi, Marco T' Mollin Virtual Speaker: Franco Molteni</p>	<p>W47 Hybrid FES robotics: from design challenges to clinical perspectives</p> <p>Organizer: Enlisa Ambrosini Speakers: Lorenza Misak, Ferrarini, Simona, Alessandra Pedrocchi, Marco T' Mollin Virtual Speaker: Franco Molteni</p>	<p>W48 Hybrid FES robotics: from design challenges to clinical perspectives</p> <p>Organizer: Enlisa Ambrosini Speakers: Lorenza Misak, Ferrarini, Simona, Alessandra Pedrocchi, Marco T' Mollin Virtual Speaker: Franco Molteni</p>

	Development and Implementation of Technology		FES, Brain Stimulation and Neurophysiology		Neurorehabilitation		Virtual Rehabilitation
	Education in the field		Industry		Telerehabilitation		Clinical Application of Technology