

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 X-Cognitive 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 Mollberg, 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 Asselstok and Eduardo Rozon Speakers: Alejandro Meléndez-Caldéron, Florian Van Pellen, Thomas Bula, Nivro L. Tagliamonte, Laura Marchal-Crespo</p> | <p>W04 Hyperbaric Oxygen Therapy in Neuro-rehabilitation in Persons with Brain Injury</p> <p>Organizer: Abhishek Srivastava Speakers: Navita Vyasa, 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, Sophia 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 Awi Speakers: Desiree Beck, Arun Jayaraman, Zen Koh, Alison Watt, Alessandra Pedrocchi, Richard Lieber, Franco Molteni</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, Surjit Soekadar, Kathy Roddy</p> | <p>W09 Natural Interfacing and embodiment of assistive and rehabilitation technologies</p> <p>Organizers: 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 Case discussion in feasibility of Telerehabilitation with Seniors, with Descriptive conditions in Singapore</p> <p>Organizer: Sylvia Lew Speakers: Felicia Teow, Charmaine Koh, Cheng Jing Wen, Maybago Ruel Estero, 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> |
| | 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 & Alison Watt Speakers: Dennis Veit, Rupert Klubs, PreBlair, Genopt, Grienler, Alison Watt</p> | <p>W14 Building Capacity to Engage End-Users in Advanced Technology Implementation throughout a Continuum of Care</p> <p>Organizer: Amber M. Walter Speakers: Matt Wilks</p> | <p>W15 From brain recovery knowledge, to best clinical practice and technological tools: development, Neuroscience and Databases 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 Ota Leong 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 recovery - 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 Asselstok Speakers: Aaron Young, Elodie Delin, Nishi Soekobahsi, Michael Rafter</p> | <p>W21 Human Modeling in Rehabilitation Robotics</p> <p>Organizer: Giacomo Barresi Speakers: Giacomo Barresi, Federico Tessari, Lorenzo De Micheli, Stefano Marini, 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>Organizers: Cristian Federico, Paulosha Speakers: Jan Friden, Ines Bersch, Cristian Paulosha, Marina Alberty</p> | <p>W23 Revisiting the Implementation of Tele-Assessments for Individuals With Stroke</p> <p>Organizer: Lena Sauerzopf, Michael Sv, Raymond Francis, B. Sarmento, Martina Spies Speakers: Marlon Spies, Lena Sauerzopf, Michael Sv, Raymond Francis, B. Sarmento, Thierry Keller, Liliana Parades</p> | <p>W24 Impact of simultaneous spinal stimulation and other neuromodulatory techniques on recovery following neurological injuries</p> <p>Organizer: Aun Jayaraman Speakers: Monica Perez, Gail Forrester, Chen Yang, Aun Jayaraman</p> |
| | 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, Atun Jayaraman, Jose Lopez Virtual Speakers: Yue Wen</p> | <p>W26 Restoring Hope, Rehabilitation, Livest: Transformation of Clinical Practice, with Rehabilitation Technology</p> <p>Organizer: Song Kwon Wee Speakers: Peter Kim, Goh Goh, Song Kwon Wee, Loh Yong Joo, Orit Poo, Lee, Christopher Kwah Wae Koong, Phua Min Wen, Ni Chwee Yin, Terkin Pumbrett</p> | <p>W27 Exploring the Scientific Principles and Technologies of Neurorehabilitation</p> <p>Organizer: Shimoda Shingo Speakers: Fady Alalilar, An Qi, Shingo Shimoda, Juan Morano, 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: Lucy Wright Speakers: Jane Huxton, Alice GreenSmith, Kostas Faloutsos, Colette Shaw, Tonia 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 Xie, Chuanmin Niu, Honghai Liu, Wayne Feng, Chaoshu Zhu, Ping Zhou</p> | <p>W30</p> | <p>W31 restorative-therapies</p> | <p>W32 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, Yuhua, Samuel Bach, Eichi Yoshida</p> | <p>W33 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, Alison Watt, Heather Colquhoun</p> | <p>W34 Bridging clinics, research, and industry: how to design patient-centred rehabilitation technologies?</p> <p>Organizer: Andrea Marinelli, Marco Bulli, Ann Bechtel, Emily Bode Speakers: Lorenzo De Micheli, Matteo Iaffranchi, Emanuele Gruppioni, Franco Molteni, Strahinja Dosen, Claudio Castellini, Zhi Fang Tai, Jose Gonzalez</p> | <p>W35 Mobile Health for Rehabilitation in Low- and Middle-Incomes Countries</p> <p>Organizer: Ramon Bannethier Speakers: Ramon Bannethier, Al-Batala, Swagata Guddeti, Judith Deutsch</p> | <p>W36 Take home messages for successful implementation of FES therapy in your clinic: What to do and not to do</p> <p>Organizer: Mattia Millosevic Speakers: Milos Popovic, Naaz Desai, Mattia Millosevic, Ken Masani Virtual Speaker: Cesar Marquez-Chin</p> |
| | Coffee Break | | | | | | | | | | | |
| 16:00 - 17:30 | <p>W37</p> | <p>W38 Communication and Swallowing are Central to Life! An Interactive Exploration of Neurotechnology for Speech and Language Therapy Throughout a Stroke Patient's Recovery - Supporting Interdisciplinary Collaboration</p> <p>Organizer: Christy Bibby Speakers: Christy Bibby, Alice Wilks, Breen, Mattia Hossain</p> | <p>W39 Automated Gait Pattern Facilitation with Advanced Closed Loop Control Algorithm: Opportunities and Challenges in Clinical Practice</p> <p>Organizer: Juan Pablo Gonzalez Appelken Speakers: Matt Gillhorn, Juan Pablo Gonzalez Appelken, Kelly Breen, Mattia Hossain</p> | <p>W40 Bringing Technology-Assisted Upper Limb Neurorehabilitation from Clinic to Home: An Interdisciplinary Perspective</p> <p>Organizer: Simona Kager, Bishu-Ju Chena, Clive Lambercy Speakers: Oliver Lambercy, Tobias Kowatsch, Asif Hussain, Etienne Burdet, TBA</p> | <p>W41 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 Tripodi</p> | <p>W42</p> | <p>W43 Experience the Innovation in the Continuum of Upper Limb Rehabilitation</p> <p>Organizer: Veronica Garcia Speakers: Claudio Pizzolato, Veronica Garcia-Marti, Matthias Naf</p> | <p>W44 Holistic development and implementation of rehabilitation technologies</p> <p>Organizer: Eveline Graf Speakers: Martina Spies, Eveline Graf</p> | <p>W45</p> | <p>W46 Inhibitive Bidirectional Control of Rigid Limbs: Bridging Access, Academia, Clinics, and Industry</p> <p>Organizers: Jose Eduardo Gonzalez, Strahinja Dosen, Martina Sforza, Herman van der Kooij Speakers: Huang, Heide, De Micheli, Lorenzo, Catalano, Manuel Harcourt, Lew, Gonzalez, Zhi, Kiemmya, Jibati Virtual Speakers: Herr, Huo</p> | <p>W47 Hybrid FES robotics: from design, challenges to clinical perspectives</p> <p>Organizer: Enliia Ambrosini Speakers: Lorenza Misak, Ferrante Simona, Alessandra Pedrocchi, Marco T' Moline Virtual Speaker: Franco Molteni</p> | <p>W48 Emerging Technologies: Non-Invasive Spinal Cord Stimulation (niSCS) Combined with Functional Electrical Stimulation (FES)</p> <p>Organizer: Did Aun Speakers: Tareem Street, Anand D. Pandyan</p> |

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