

RehabWeek 2022 Poster Fast Forward Schedule

Day	Session Time	FF Order	Poster Board Number	Conference	Poster Title	Presenting Author
26 July	10:15 - 11:00	1	P-039	INRS	Detecting Cooperative Hand Movements Based on Electromyographic Data – a Proof of Concept Study	Eveline Graf
26 July	10:15 - 11:00	2	P-040	INRS	AI Controlled Cooperative Arm Prostheses: What Do the Users Say?	Sara Frey
26 July	10:15 - 11:00	3	P-030	ICORR	Design and Evaluation of a Knee Flexion Assistance Exoskeleton for People with Transtibial Amputation	Anthony Anderson
26 July	10:15 - 11:00	4	P-084	ACRM	Superior effects of BCI-based action observation game on hand function and mu-suppression in stroke patients	Hyunmi Lim
26 July	10:15 - 11:00	5	P-005	ICORR	Design Feasibility of an Energy-efficient Wrist Exoskeleton using Compliant Beams and Soft Actuators	Brandon Caasenbrood
26 July	10:15 - 11:00	6	P-010	IFESS	Functional electrical stimulation in combination with other therapies for hand function rehabilitation after stroke: a systematic review	Aitor Martin-Odrozola
26 July	10:15 - 11:00	7	P-086	ICORR	Design of a compliant, stabilizing wrist mechanism for a pediatric hand exoskeleton	Jan Dittli
26 July	10:15 - 11:00	8	P-002	ACRM	Performance comparisons between folding and rigid wheelchair frames	Jacob Misch
26 July	10:15 - 11:00	9	P-147	INRS	"Tricking the Brain": Alternating Body Perceptions Using Immersive Virtual Reality to Promote Motor Activity for Potential Application in Neurorehabilitation	Karin A. Buetler
26 July	10:15 - 11:00	10	P-142	ICORR	Feasibility and Acceptability of Remote Neuromotor Rehabilitation Interactions Using Social Robot Augmented Telepresence: A Case Study	Michelle J Johnson
26 July	10:15 - 11:00	11	P-111	ACRM	Predictors of physical activity up to one year after hospitalization for COVID-19; results from the CO-FLOW study	Julia Berentschot
26 July	10:15 - 11:00	12	P-164	ICORR	Shared Control of Elbow Movements with Functional Electrical Stimulation and Exoskeleton Assistance	Nathan Dunkelberger
26 July	10:15 - 11:00	13	P-066	IFESS	Development of a hybrid orthosis solution to reduce fatigue during grasping	Clément Trotobas
26 July	10:15 - 11:00	14	P-191	ICORR	Synchronization of Wearable Motion Capture and EMG Measurement Systems	Robert Schutte
26 July	10:15 - 11:00	15	P-162	ACRM	Bidirectional associations between physical behavior and momentary fatigue after subarachnoid hemorrhage; a merge of data from accelerometers and electronic diaries	Lianne de Vries
26 July	10:15 - 11:00	16	P-195	ICORR	Sonometry shows feasibility as a tool to quantify joint movement at the muscle level	Shrinivas Patwardhan
26 July	10:15 - 11:00	17	P-067	IFESS	HYBRID ROBOTIC SYSTEM FOR UPPER LIMB REHABILITATION: PRELIMINARY PERFORMANCE ASSESSMENT	Fernanda Márcia Rodrigues Ferreira Lopes
26 July	10:15 - 11:00	18	P-216	ICORR	AGREE: an upper-limb robotic platform for personalized rehabilitation, concept and clinical study design	Valeria Longatelli
26 July	10:15 - 11:00	19	P-174	INRS	Surface electromyography interventions for upper limb rehabilitation in people with stroke: a systematic review and meta-analysis	Maria Munoz-Novoa
26 July	10:15 - 11:00	20	P-219	ICORR	Quantifying Volitional Influence of Users on Step Length in Powered Lower Limb Exoskeleton Use	Xiruo Cheng
26 July	10:15 - 11:00	21	P-246	INRS	Development Process of a Motorized Upper Extremity Orthoses for Daily Functional Support of Patients with Severe Muscle Weakness	Suzanne J. Filius
26 July	10:15 - 11:00	22	P-220	ICORR	Digital Guinea Pig: Merits and Methods of Human-in-the-Loop Simulation for Exoskeletons	Yves Dominic Zimmermann
26 July	10:15 - 11:00	23	P-188	ACRM	Prediction of Poststroke Depression Based on the Outcomes of Machine Learning Algorithms	Seo Young Kim
26 July	10:15 - 11:00	24	P-250	INRS	Transcutaneous Spinal Cord Stimulation Alters Sensorimotor Circuitry Across Multiple Segments of the Spinal Cord	Trevor Bars
26 July	10:15 - 11:00	25	P-043	ISVR	Immersive virtual reality for cognitive mapping in awake brain surgery: a review of an emerging field	Ana Lúcia Faria
26 July	10:15 - 11:00	26	P-197	IFESS	Improving sexual functioning amongst males with neurological sexual dysfunction, the potential therapeutic role of Functional Electrical Stimu-lation.	Neil Marshall
26 July	10:15 - 11:00	27	P-242	ICORR	How Ankle Exoskeleton Assistance Affects the Mechanics of Incline Walking and Stair Ascent in Cerebral Palsy	Zachary Lerner
26 July	15:30 - 16:15	1	P-189	ICORR	A Unified Gait Phase Estimation and Control of Exoskeleton using Virtual Energy Regulator (VER)	Arash Arami
26 July	15:30 - 16:15	2	P-231	INRS	Assessment of Upper Limb Kinematics Using a Robotic Exoskeleton	Anna Knill
26 July	15:30 - 16:15	3	P-033	ICORR	Three Study Cases of Social Robotics in Autism Spectrum Disorder Treatment: Personalization and Usability of CASTOR Robot	Carlos Andres Cifuentes Garcia
26 July	15:30 - 16:15	4	P-020	ACRM	Ecological Momentary Assessment (EMA) of Real-World Functional Behaviors in Individuals with Stroke	Alex Wong
26 July	15:30 - 16:15	5	P-008	ICORR	Unsupervised Myocontrol of a Virtual Hand Based on a Coadaptive Abstract Motor Mapping	Claudio Castellini
26 July	15:30 - 16:15	6	P-042	INRS	A Mixed Reality Obstacle Course in Stroke Subjects – A Usability Study	Aurelia Lehmann
26 July	15:30 - 16:15	7	P-064	ICORR	Composite Recurrent Convolutional Neural Networks Offer a Position-Aware Prosthesis Control Alternative While Balancing Predictive Accuracy with Training Burden	Heather E. Williams
26 July	15:30 - 16:15	8	P-069	INRS	Assessing Wheeling Performance in Patients with a Spinal Cord Injury using Wearable Inertial Sensors	Charlotte Werner
26 July	15:30 - 16:15	9	P-065	ICORR	EEG-EMG hybrid real-time classification of hand grasp and release movements intention in chronic stroke patients	Jo SeongHyeon
26 July	15:30 - 16:15	10	P-110	ACRM	A model of healthy aging based on smartphone interactions reveals advanced behavioral age in neurological disease	Iris Brunner
26 July	15:30 - 16:15	11	P-112	ICORR	Testing robot-based assist-as-needed therapy for improving active participation of a patient during early neurorehabilitation: a case study	Kim Kristin Peper
26 July	15:30 - 16:15	12	P-092	IFESS	Brain-computer interface controlled FES therapy for upper limb paralysis: therapists' perspectives	Hope Jervis-Rademeyer
26 July	15:30 - 16:15	13	P-060	ICORR	SWALKIT: A generic augmented walker kit to provide haptic feedback navigation assistance to people with both visual and motor impairments	Louise Devigne
26 July	15:30 - 16:15	14	P-038	INRS	Robots as Therapists: Patients' Experiences, Motivation and Expectations with Robot-Assisted Training– a Qualitative Study	Eveline Graf
26 July	15:30 - 16:15	15	P-155	ICORR	The Interface Usage Skills Test: An Open Source Tool for Real-Time Quantitative Evaluation for Clinicians and Researchers	Mahdieh Nejati Javaremi
26 July	15:30 - 16:15	16	P-136	ACRM	Smart daily-used objects for hand rehabilitation after stroke	Juliet A. M. Haarman
26 July	15:30 - 16:15	17	P-144	ICORR	A Novel Mixed-Method Approach to Identify Needs and Requirements for Upper Limb Assistive Technology for Persons after Stroke	Natalie Tanczak
26 July	15:30 - 16:15	18	P-093	IFESS	The Effect of Neurofeedback on Lower Limb Motor-Evoked Potential and H-Reflex	Ioana Susnoschi-Luca
26 July	15:30 - 16:15	19	P-218	ICORR	Relating Underlying Performance Objectives of Overground Walking to Observable Walking Mechanics using Predictive Musculoskeletal Simulations	Nicholas P Fey
26 July	15:30 - 16:15	20	P-176	INRS	The ABLE Exoskeleton is a Safe, Feasible and Usable Device for Gait Training in Persons with Spinal Cord Injury in the Hospital Setting. The ABLE Exoskeleton is a Safe, Feasible and Usable Device for Gait Training in Persons with Spinal Cord Injury in the Hospital Setting.	Mark Andrew Wright
26 July	15:30 - 16:15	21	P-169	ICORR	Validation of Proportional Myoelectric Control of Commercially Available Robotic Ankle Exoskeletons	Rachel Hybart
26 July	15:30 - 16:15	22	P-243	IFESS	Case study: cervical tSCS combined with EMG-triggered FES for functional recovery in the upper extremities after cervical spinal cord injury	Thomas W.J. Janssen
26 July	15:30 - 16:15	23	P-193	ICORR	Quantification of Unilateral Spatial Neglect Symptoms Based on Identification of Exploratory Ability	Saki Takazawa
26 July	15:30 - 16:15	24	P-163	ACRM	Relative effectiveness of peer coaching and assistive devices for seniors with chronic conditions	Patrick McGowan
26 July	15:30 - 16:15	25	P-225	INRS	Towards a Robotic-Assisted Rehabilitation: Powered Lower-limb Exoskeleton	Renato Baptista
26 July	15:30 - 16:15	26	P-006	ICORR	Comparison of Machine Learning Techniques for Activities of Daily Living Classification with Electromyographic Data	Sergio Salinas