

RehabWeek 2019 - Poster Presentation Schedule

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
1	ICORR	Tu25AMPP.18	PEXO - a Pediatric Whole Hand Exoskeleton for Grasping Assistance in Task-Oriented Training	Bützer, Tobias	Tuesday	10:00-10:45		
2	ICORR	We26AMPP.19	Assessment of an On-Board Classifier for Activity Recognition on an Active Back-Support Exoskeleton	Poliero, Tommaso	Wednesday	10:00-10:45		
3	INRS	45	Therapeutic Electrical Stimulation and Rehabilitation for paretic hand due to cervical spine disorders	Matsunaga, Toshiki	Tuesday	15:15-16:00	Thursday	10:00-10:45
4	RESNA	85	Investigation on Multimodal Transportation for Older People Using Personal Mobility Vehicle	Takahashi, Yoshiyuki	Wednesday	10:00-10:45	Wednesday	15:15-16:00
5	ICORR	Th27AMP.18	Pre-Impact Fall Detection Using 3D Convolutional Neural Network	Diao, Xiumin	Thursday	10:00-10:45		
6	ICORR	Tu25AMPP.2	Emulation of Hill Walking and Turning on Balance Assessment Robot: A Preliminary Study	Matjacic, Zlatko	Tuesday	10:00-10:45		
7	INRS	11	Transcranial direct current stimulation (tDCS) in post-stroke patients with chronic aphasia: preliminary findings from a double-blind randomized controlled study	Zheng, Zhong Sheng (Amy)	Tuesday	15:15-16:00	Wednesday	10:00-10:45
8	RESNA	134	A strategy to improve occupational injury risks of nurse aides—application of new-style lifting device	LIN, ZI YAO	Wednesday	15:15-16:00	Thursday	10:00-10:45
9	ISPO	17	Satisfaction in Living and Social Activities by Using Walking Aids among People with Physical Disability in Korea	Song Youngshin	Wednesday	10:00-10:45	Thursday	10:00-10:45
10	IFESS	69	Decoding Muscle Activity With Wireless Recordings During Unstructured Behaviors Of Monkeys Moving Freely In Cage	Ma, Xuan	Tuesday	12:15- 13:45	Tuesday	15:15-16:00
11	ICORR	Tu25AMPP.21	Passive Stiffness Reduction in Human Ankle Joint Mechanical Impedance When Exposed to Externally Imposed Movement	Reissman, Timothy	Tuesday	10:00-10:45		
12	ICORR	We26AMPP.10	Simulation on the Effect of Gait Variability, Delays, and Inertia with Respect to Wearer Energy Savings with Exoskeleton Assistance	Reissman, Timothy	Wednesday	10:00-10:45		
13	INRS	2	Feasibility of Home-based Fragility Fracture Integrated Rehabilitation Management (FIRM) Program in Patients Surgically Treated for Hip fractures	Min Ji, Suh	Tuesday	15:15-16:00	Wednesday	15:15-16:00
14	RESNA	89	Using Kinect camera to quantify gait variables that can predict falls in older adults with dementia	Mehdizadeh, Sina	Tuesday	10:00-10:45	Thursday	10:00-10:45
15	ISPO	49	Gender difference in trunk stability using new device	Saito Kimio	Tuesday	15:15-16:00	Wednesday	10:00-10:45
16	IFESS	34	Insights From FES-Assisted Cycling With Contraction Detected By Electrical Impedance Myography	Azevedo Coste, Christine	Wednesday	12:15- 13:45	Wednesday	15:15-16:00
17	INRS	39	Agitation Detection in People Living with Dementia using Multimodal Sensors	Spasojevic, Sofija	Tuesday	15:15-16:00	Thursday	10:00-10:45
18	RESNA	123	Infant sentiment analysis in behavioral qualification	Lysenko, Sofiya	Tuesday	10:00-10:45	Wednesday	10:00-10:45
19	ISPO	47	Successful sport orthotic intervention after chronic wound closure at the post-traumatic degenerated ankle of a high-demand para-badminton athlete	Hsieh Shiaufu	Tuesday	15:15-16:00	Wednesday	15:15-16:00
20	IFESS	8	Functional Electrical Stimulation Following Anterior Cruciate Ligament Reconstruction: A Randomized Controlled Pilot Study	Springer, Shmuel	Tuesday	10:00-10:45	Tuesday	15:15-16:00
21	ACRM	6	Development and Testing of a Technology Enhanced Intervention to Support Emotion Regulation in Military mTBI with PTSD	Wallace, Tracey	Tuesday	10:00-10:45	Wednesday	10:00-10:45
22	ACRM	7	Usability of Voice-Activated Smart Speakers by Military Service Members with mTBI and PTSD	Wallace, Tracey	Tuesday	15:15-16:00	Wednesday	12:15- 13:45
23	ICORR	Th27AMP.26	Effect of Visual Information on Dominant and Non-Dominant Hands During Bimanual Drawing with a Robotic Platform	Nouredanesh, Mina	Thursday	10:00-10:45		
24	INRS	71	Going Deeper into Fall Risk Assessment in the Wild Using Egocentric Cameras and Wearable IMUs	Nouredanesh, Mina	Tuesday	10:00-10:45	Wednesday	15:15-16:00
25	RESNA	114	Screening of Meaningful Inertial Sensing Data for Rehabilitation Engineering	Pan, Min-Chun	Tuesday	10:00-10:45	Wednesday	10:00-10:45
26	INRS	27	Stroke Patients' Disability Assessment through Gait Parameters Characterization Using Wireless IMUs	Pan, Min-Chun	Wednesday	15:15-16:00	Thursday	10:00-10:45
27	ICORR	We26AMPP.20	Identify Kinematic Features for Powered Prosthesis Tuning	liu, ming	Wednesday	10:00-10:45		
28	ICORR	Th27AMP.12	Preliminary Study of Virtual sEMG Signal-Assisted Classification	Kim, Minjae	Thursday	10:00-10:45		
29	INRS	64	A Clinical Decision Support System Based on Multi-Sensor Data for an Effective and Efficient Rehabilitation	Demkó, László	Tuesday	15:15-16:00	Wednesday	15:15-16:00
30	RESNA	60	Effectiveness of remote asynchronous wheelchair skills training for clinicians	Kirby, Lee	Tuesday	10:00-10:45	Wednesday	15:15-16:00
31	RESNA	63	Relationships among Wheelchair Skills Test Questionnaire (WST-Q) capacity, confidence and performance measures	Kirby, Lee	Wednesday	10:00-10:45	Thursday	10:00-10:45
32	ICORR	Tu25AMPP.12	Prediction of Distal Lower-Limb Motion Using Ultrasound-Derived Features of Proximal Skeletal Muscle	Hoyt, Kenneth	Tuesday	10:00-10:45		
33	ICORR	We26AMPP.14	Robot-Based Measures of Upper Limb Cognitive-Motor Interference across the HIV-Stroke Spectrum	Bui, Kevin	Wednesday	10:00-10:45		

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
34	INRS	20	Factors affecting the use of a rehabilitation robot in a clinical research context: a first qualitative study applying UTAUT model	Lebleu, Julien	Tuesday	15:15-16:00	Thursday	10:00-10:45
35	RESNA	62	Preliminary results of wheel rolling resistance using a drum-based testing machine	Ott, Joseph	Tuesday	10:00-10:45	Wednesday	15:15-16:00
36	ISPO	27	Bicycling participation of people with lower limb amputation in Thailand	Poonsiri Jutamanee	Wednesday	10:00-10:45	Thursday	10:00-10:45
37	ISPO	37	Ankle Foot Orthoses for Young Children with Cerebral Palsy: A Multi-Methods Study Protocol	Firouzeh Pegah	Tuesday	15:15-16:00	Wednesday	15:15-16:00
38	ICORR	Tu25AMPP.4	Energy Density and Hysteresis Comparison in Natural Rubber Tube Springs for Wearable Exoskeleton Applications	Perry, Joel C.	Tuesday	10:00-10:45		
39	ICORR	Tu25PMPP.7	Gravity Compensation of an Exoskeleton Joint Using Constant-Force Springs	Perry, Joel C.	Tuesday	15:15-16:00		
40	INRS	14	Wearable sensors validity: combining wireless EMG sensors and inertial measurement units to perform physical workplace assessment	Poitras, Isabelle	Wednesday	10:00-10:45	Thursday	10:00-10:45
41	RESNA	87	Development of a winter accessibility toolkit	Ripat, Jacquie	Tuesday	15:15-16:00	Wednesday	15:15-16:00
42	ICORR	Tu25AMPP.23	Sensitivity Comparison of Inertial to Optical Motion Capture During Gait: Implications for Tracking Recovery	Sulzer, James	Tuesday	10:00-10:45		
43	ICORR	Th27AMP.20	Musculoskeletal Simulation Framework for Impairment-Based Exoskeletal Assistance Post-Stroke	Sulzer, James	Thursday	10:00-10:45		
44	INRS	51	The Creation and Development of the FEPS for hand and wrist strengthening of the Orthopedic and Neurological population using a Collaborative Approach.	Dziwenko, Gwen	Tuesday	10:00-10:45	Wednesday	10:00-10:45
45	RESNA	95	Caregiver Perceptions of the AgileLife Patient Transfer System	Kulich, Hailee	Tuesday	15:15-16:00	Wednesday	15:15-16:00
46	ISPO	62	Effects of Prosthetic Socket Suspension on Knee Proprioception and Dynamic Balance in Transtibial Amputees	Gao Fan	Wednesday	10:00-10:45	Thursday	10:00-10:45
47	INRS	58	Four-week anti-gravity treadmill gait training in individuals with multiple sclerosis: a case series	Gao, Fan	Tuesday	10:00-10:45	Wednesday	10:00-10:45
48	ISPO	65	Patient-Oriented Design Criteria for an Assistive Powered Hand Exoskeleton	Boser Quinn	Wednesday	15:15-16:00	Thursday	10:00-10:45
49	ACRM	10	"A Huge, Life-Changing Thing." A Qualitative Survey of the Priorities and Goals of Young Stroke Survivors	Davis, Christine	Tuesday	10:00-10:45	Wednesday	15:15-16:00
50	ICORR	We26AMPP.1	A Model Inversion Procedure for Control of Nonlinear Series Elastic Actuators	Jarrett, Christopher	Wednesday	10:00-10:45		
51	ICORR	We26AMPP.2	A Framework for Closing the Loop between Human Experts and Computational Algorithms for the Assessment of Movement Disorders	Jarrett, Christopher	Wednesday	10:00-10:45		
52	INRS	75	Comparing a Robotic and a Mechanically-Passive Prosthesis in Transtibial Amputees with Diabetes Mellitus Type II.	Adans-Dester, Catherine P.	Wednesday	15:15-16:00	Thursday	10:00-10:45
53	INRS	76	Robotic-Assisted Gait Training in Individuals with Primary Lateral Sclerosis: a Case Serie.	Adans-Dester, Catherine P.	Tuesday	10:00-10:45	Wednesday	15:15-16:00
54	RESNA	135	Virtual reality program to help intellectually disabled students improve social skills and situational awareness	Fitzsimmons, Caitlin	Tuesday	15:15-16:00	Thursday	10:00-10:45
55	ICORR	We26AMPP.12	A Soft+Rigid Hybrid Exoskeleton Concept in Scissors-Pendulum Mode: A Suit for Human State Sensing and an Exoskeleton for Assistance	Ugurlu, Barkan	Wednesday	10:00-10:45		
56	ICORR	We26PMPP.7	May I Keep an Eye on Your Training? Gait Assessment Assisted by a Mobile Robot	Schuetz, Benjamin	Wednesday	15:15-16:00		
57	INRS	63	Shoulder Functional Electrical Stimulation Reduces the Effort to Overcome Gravity During Reaching Movements	Thomas, Ariel	Tuesday	10:00-10:45	Thursday	10:00-10:45
58	RESNA	96	Mechanisms of functional adaptation of post stroke patients during upper limb rehabilitation.	Klochkov, Anton S	Tuesday	15:15-16:00	Wednesday	15:15-16:00
59	ICORR	Tu25AMPP.7	Motion Analysis for People with Cerebral Palsy: A Vision Based Approach	Candeias, Alexandre	Tuesday	10:00-10:45		
60	ICORR	We26AMPP.9	Benchmarking of a Commercially Available Stacked Dielectric Elastomer as an Alternative Actuator for Rehabilitation Robotic Exoskeletons	Behboodi, Ahad	Wednesday	10:00-10:45		
61	INRS	66	Knee Kinematics during Gait with the Ekso GaitTrainer Robotic Exoskeleton	Gullison, Alana Jean	Tuesday	15:15-16:00	Wednesday	15:15-16:00
62	RESNA	145	Repeatability of a novel laboratory method for characterizing lateral and anterior stability properties of wheelchair seat cushions	Delazio, Alexandra	Tuesday	10:00-10:45	Thursday	10:00-10:45
63	ISPO	89	Lowering the Barrier to Entry with an Open Source Robotic Leg Prosthesis	Azocar Alejandro F	Tuesday	15:15-16:00	Wednesday	10:00-10:45
64	IFESS	10	Requirements For Intraoperative Testing Of Intraspinal Microstimulation In Humans	Toossi, Amirali	Tuesday	12:15-13:45	Tuesday	15:15-16:00
65	ACRM	1	NUCoach: A Customizable Coaching Platform for Designing Rehabilitation Mobile Apps	Iman, Khaghani-Far	Tuesday	10:00-10:45	Wednesday	15:15-16:00

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
66	ICORR	Th27AMP.9	A Novel Exoskeleton System Based on Magnetorheological Fluid for Tremor Suppression of Wrist Joints	Zhang, Dingguo	Thursday	10:00-10:45		
67	ISPO	84	Inter-Limb Central Pattern Generator based Control for Exoskeletons towards Hemiplegic Patients	Zhang Dingguo	Tuesday	15:15-16:00	Wednesday	10:00-10:45
68	INRS	100	Big Data for Rehab: Insights into Home Therapy through FitMi Usage Patterns	Zondervan, Daniel K	Wednesday	15:15-16:00	Thursday	10:00-10:45
69	RESNA	139	Perspectives on Building Accessibility: Survey responses by people with disabilities on accessibility experiences and the need for information	Tomashek, Dennis B	Tuesday	10:00-10:45	Wednesday	10:00-10:45
70	ISPO	26	Accuracy and repeatability of using smartphone-based sensors for orthotic tuning	Nguyen Brandon	Wednesday	15:15-16:00	Thursday	10:00-10:45
71	ICORR	Tu25PMPP.4	Towards an Adaptive Upper Limb Rehabilitation Game with Tangible Robots	Guneyso Ozgur, Arzu	Tuesday	15:15-16:00		
72	INRS	103	Non-contact Detection of Head Posture During Sleep	Taati, Babak	Tuesday	10:00-10:45	Thursday	10:00-10:45
73	INRS	108	Vision-Based Apnea-Hypopnea Index Estimation	Taati, Babak	Wednesday	15:15-16:00	Thursday	10:00-10:45
74	INRS	113	Determination of Respiratory Rate Using Acoustic Signal Analysis in Real-Life CPET	Taati, Babak	Tuesday	15:15-16:00	Thursday	10:00-10:45
75	RESNA	58	Development of a novel robust custom canine orthotic wheelchair for coordinating object climbing and body tilt motions	Chen, Binyun	Tuesday	10:00-10:45	Wednesday	10:00-10:45
76	ISPO	22	Examining the Use of Lower Limb Prostheses in Older Adults with Amputations Following Inpatient Prosthetic Training	Pousett Brittany	Wednesday	15:15-16:00	Thursday	10:00-10:45
77	IFESS	48	A Region-Based Convolutional Neural Network To Detect Fascicles In Peripheral Nerves	Tovbis, Daniel	Tuesday	12:15- 13:45	Tuesday	15:15-16:00
78	ICORR	Tu25AMPP.22	Hybrid Control Interface of a Semi-Soft Assistive Glove for People with Spinal Cord Injuries	Kaneishi, Daisuke	Tuesday	10:00-10:45		
79	ICORR	We26PMPP.23	An Adaptive Socket Attaches Onto Residual Limb Using Smart Polymers for Upper Limb Prosthesis	Shallal, Christopher	Wednesday	15:15-16:00		
80	INRS	114	Safety and Preliminary Efficacy of Cathodal Transcranial Direct Current Stimulation to Enhance Upper Limb Motor Function Early After Ischemic Stroke: a Double-blind, Randomized Clinical Trial	de Sa Boasquevisque, Danielle	Wednesday	10:00-10:45	Wednesday	15:15-16:00
81	RESNA	124	Customizable robotic wheelchair mounts with flexible controls and configurations for diverse users	Goodwin, Dianne	Tuesday	10:00-10:45	Thursday	10:00-10:45
82	ISPO	67	Education After Lower Limb Amputation: A Qualitative Study on Clients' Perspectives to Develop an Online Self-Management Program	Esfandiari Elham	Tuesday	15:15-16:00	Wednesday	15:15-16:00
83	ICORR	Th27AMP.14	Bimanual Control of Position and Force in People with Multiple Sclerosis: Preliminary Results	Ballardini, Giulia	Thursday	10:00-10:45		
84	ICORR	We26PMPP.32	On the Design of a Novel Underactuated Robotic Finger Prosthesis for Partial Hand Amputation	Jeong, Gu-Cheol	Wednesday	15:15-16:00		
85	INRS	60	Quantification of the Effect of Exercise Interventions on Gait Instability	Osman, Hala	Tuesday	10:00-10:45	Thursday	10:00-10:45
86	RESNA	129	A treadmill gait perturbation biomechanical assessment for post stroke rehabilitation	Osman, Hala	Wednesday	15:15-16:00	Thursday	10:00-10:45
87	ICORR	Tu25AMPP.28	Hand Function Kinematics When Using a Simulated Myoelectric Prosthesis	Williams, Heather	Tuesday	10:00-10:45		
88	ICORR	Tu25PMPP.1	Design of a Pneumatic Actuated Ankle-Foot Orthosis Which Has Talocrural and Subtalar Joint	Choi, Ho Seon	Tuesday	15:15-16:00		
89	INRS	106	Focal Vibration Therapy: Perspective from Patients with Stroke and Therapist	Wang, Hongwu	Wednesday	10:00-10:45	Thursday	10:00-10:45
90	RESNA	80	DESIGN CONSIDERATION ON PEDIATRIC WALKERS FOR CHILDREN WITH CEREBRAL PALSY	Wang, Hongwu	Wednesday	10:00-10:45	Wednesday	15:15-16:00
91	IFESS	20	The Effects Of Joint Mobilization With Functional Electrical Stimulation On Ankle Joints In Stroke	Son, Hohee	Thursday	10:00-10:45	Thursday	12:15- 13:45
92	INRS	13	The Effect of Fully Immersive Virtual Reality Training on Balance and Gait Abilities of Patients with Total Knee Arthroplasty	SON, HOHEE	Tuesday	15:15-16:00	Thursday	10:00-10:45
93	ACRM	12	Considerations and Collaborations During Design and Development to Increase Deployment	Mitchell, Megan	Tuesday	10:00-10:45	Wednesday	10:00-10:45
94	ICORR	We26PMPP.18	Analyzing the Trade-Off between Training Session Time and Performance in Myoelectric Hand Gesture Recognition During Upper Limb Movement	Cagnolato, Matteo	Wednesday	15:15-16:00		
95	ICORR	We26AMPP.17	Electromyography (EMG) Signal Contributions in Speed and Slope Estimation Using Robotic Exoskeletons	Kang, Inseung	Wednesday	10:00-10:45		
96	INRS	74	Development of the AI Therapist realizing the Expert's Verbal Cue for the Effective Robotic Gait Rehabilitation	Chang, Minsu	Tuesday	15:15-16:00	Wednesday	10:00-10:45
97	RESNA	48	Usability of a simulator for powered mobility for children: Validation of a Simulator for Powered Mobility for Children	Gefen, Naomi	Tuesday	10:00-10:45	Wednesday	15:15-16:00
98	ISPO	72	Mechanisms for tendon actuated soft hand orthosis: a comparison.	Abdelhafiz Mohamed	Wednesday	10:00-10:45	Thursday	10:00-10:45

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
99	ICORR	Th27AMP.2	Bio-Inspired Tendon Driven Mechanism for Simultaneous Finger Joints Flexion of a Soft Hand Exoskeleton	abdelhafiz, mohamed	Thursday	10:00-10:45		
100	ICORR	Tu25AMPP.1	Mechanical Orthosis with Rotation Induction to Lower Leg for Patients with Knee Osteoarthritis	Itami, Taku	Tuesday	10:00-10:45		
101	IFESS	62	Assessing Pathological Wheelchair Clonus In The Wild	Ait Boucherbil, Nora	Wednesday	10:00-10:45	Wednesday	15:15-16:00
102	INRS	30	How to Increase Utilisation of Robotic Devices in Everyday Clinical Practice in Neurorehabilitation Hospital?	Eelmae, Priit	Tuesday	15:15-16:00	Thursday	10:00-10:45
103	RESNA	64	Switch-activated MP3 player	Simpson, Rich	Tuesday	10:00-10:45	Wednesday	10:00-10:45
104	IFESS	77	A Simple Approach For EEG-FES Triggered Upper Limb Rehabilitation	Mercado Gutiérrez, Jorge	Wednesday	12:15- 13:45	Wednesday	15:15-16:00
105	ICORR	Tu25AMPP.6	Towards Data-Driven Autonomous Robot-Assisted Physical Rehabilitation Therapy	Mendonca, Rochelle	Tuesday	10:00-10:45		
106	RESNA	149	Mobile Health for Complex Decision Making	Mendonca, Rochelle	Tuesday	15:15-16:00	Wednesday	10:00-10:45
107	INRS	93	Remote Acquisition of Vital Signs Using Infrared and Depth-Enabled Cameras	Chu, Ryan	Wednesday	15:15-16:00	Thursday	10:00-10:45
108	RESNA	159	Impact damping test for wheelchair cushions: effect of calculation methods and new test metric	Arias Guzman, Sandra	Tuesday	10:00-10:45	Wednesday	10:00-10:45
109	ACRM	4	Development and Testing of an AccelerometerBased Positional Monitoring System	Moninger, Sarah	Tuesday	15:15-16:00	Wednesday	12:15- 13:45
110	ICORR	We26PMPP.36	Design, Development and Control of a Fabric-Based, Soft Ankle Module to Mimic Human Ankle Stiffness	amatya, sunny	Wednesday	15:15-16:00		
111	IFESS	17	An Assistive System For Upper Limb Motion Combining Functional Electrical Stimulation And Robotic Exoskeleton	Yansong, Wang	Tuesday	10:00-10:45	Tuesday	12:15- 13:45
112	INRS	83	Hybridized Computer-Based Cognitive Training And Aerobic Exercise In Improving Cognition Following Stroke	Yeh, Ting-Ting	Wednesday	10:00-10:45	Thursday	10:00-10:45
113	RESNA	51	Development and user validation of a virtual reality wheelchair maneuverability simulator	Yang, Yu-Sheng	Tuesday	15:15-16:00	Wednesday	15:15-16:00
114	ISPO	91	Utilizing Multiple Degrees of Freedom in Myoelectric Prostheses for Transhumeral and Shoulder Disarticulation Level TMR Prosthetic Users	Cox Wendy	Tuesday	10:00-10:45	Thursday	10:00-10:45
115	ICORR	We26PMPP.15	Multi-Purpose Robotic Training Strategies for Neurorehabilitation with Model Predictive Controllers	Özen, Özhan	Wednesday	15:15-16:00		
116	ACRM	2	Serenity: A Low-Cost and Patient-Guided Mobile Virtual Reality Intervention for Cancer Coping	Li, Xuan	Tuesday	12:15- 13:45	Wednesday	10:00-10:45
117	ICORR	We26PMPP.5	Decoding Covert Speech for Intuitive Control of Brain-Computer Interfaces Based on Single-Trial EEG: A Feasibility Study	Jochumsen, Mads	Wednesday	15:15-16:00		
118	ICORR	Th27AMP.1	Designing a Brain Computer Interface for Control of an Assistive Robotic Manipulator Using Steady State Visually Evoked Potentials	Jochumsen, Mads	Thursday	10:00-10:45		
119	INRS	91	Active Limb Orthosis for Home Use - Stroke Gait Rehabilitation	Rashford, Lauren Stephanie	Tuesday	10:00-10:45	Wednesday	10:00-10:45
120	RESNA	133	Quantifying Vibration Characteristics of Focal Vibration Therapy	Rippetoe, Josiah	Tuesday	15:15-16:00	Thursday	10:00-10:45
121	ICORR	Tu25AMPP.20	Robot-Aided Upper-Limb Proprioceptive Training in Three-Dimensional Space	Menon, Carlo	Tuesday	10:00-10:45		
122	IFESS	75	Characterization Of The Electrode Sensitivity Function For Autonomic Nerves	Yoshida, Ken	Wednesday	10:00-10:45	Wednesday	15:15-16:00
123	INRS	77	Wearable Ankle-assist Robot Improves Muscle Activation Pattern during Gait in Patients with Stroke	Lee, Hwang-Jae	Wednesday	15:15-16:00	Thursday	10:00-10:45
124	IFESS	13	Wearable EMG-Controlled FES System Improves Gait Function And Symmetry In Elderly Persons	Lee, Hwang-Jae	Tuesday	10:00-10:45	Tuesday	15:15-16:00
125	ISPO	68	Wearable Hip-assist Robot for Reducing Muscle Fatigue and Metabolic Energy Cost during Walking in Elderly	Lee Hwang Jae	Tuesday	15:15-16:00	Thursday	10:00-10:45
126	ICORR	We26AMPP.6	Toward Real-World Evaluations of Trunk Exoskeletons Using Inertial Measurement Units	Novak, Domen	Wednesday	10:00-10:45		
127	ICORR	Th27AMP.27	Exploiting the Invariant Structure for Controlling Multiple Muscles in Anthropomorphic Legs: III. Reproducing Hemiparetic Walking from Equilibrium Point-Based Synergies	Watanabe, Eichi	Thursday	10:00-10:45		
128	INRS	43	Botley's Bootle Blast: A Novel Video Game for Home-Based Rehabilitation for Children with Cerebral Palsy	Chan-Viquez, Daniela	Tuesday	15:15-16:00	Wednesday	15:15-16:00
129	RESNA	104	Challenge and strategy of disability infobases	Gauthier, Cynthia A	Tuesday	10:00-10:45	Thursday	10:00-10:45
130	ICORR	We26AMPP.23	Optimal Time-Window Derivation for Human-Activity Recognition Based on Convolutional Neural Networks of Repeated Rehabilitation Motions	Park, Hyung-Soon	Wednesday	10:00-10:45		
131	ICORR	We26PMPP.28	Optimized control mapping through user-tuned cost of effort, time, and reliability	Arunachalam, Anjana Gayathri	Wednesday	15:15-16:00		
132	INRS	98	Where Do Exoskeletons Fit in a Continuum of Walking Recovery Technology: use in people with spinal cord injury and preserved leg function	Walter, Amber	Tuesday	10:00-10:45	Wednesday	10:00-10:45
133	RESNA	166	Impact of information & communication technologies on performance of IADL: an exploratory review	Quamar, Abbas	Tuesday	15:15-16:00	Thursday	10:00-10:45

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
134	ICORR	We26PMPP.33	Preliminary Design of an Environment Recognition System for Controlling Robotic Lower-Limb Prostheses and Exoskeletons	Laschowski, Brock	Wednesday	15:15-16:00		
135	RESNA	56	Assistive Technology for Braille Literacy Education: Identifying Ideal Design Criteria	Hoskin Elizabeth	Tuesday	10:00-10:45	Wednesday	10:00-10:45
136	INRS	80	Perspectives on the Impact of Visual Feedback Balance Training with Functional Electrical Stimulation in Individuals with Incomplete Spinal Cord Injury	Houston, David John	Tuesday	15:15-16:00	Thursday	10:00-10:45
137	ICORR	We26PMPP.3	Gait Guidance Control for Damping of Unnatural Motion in a Powered Pediatric Lower-Limb Orthosis	Laubscher, Curt	Wednesday	15:15-16:00		
138	ISPO	34	The association between changes in subjective and objective measures of mobility in lower limb amputees after inpatient rehabilitation	Omana Humberto	Tuesday	10:00-10:45	Thursday	10:00-10:45
139	ISPO	35	Fear of falling as a cognitive distractor affecting mobility in people with a lower limb amputation	Omana Humberto	Wednesday	10:00-10:45	Thursday	10:00-10:45
140	ICORR	Tu25PMPP.3	Evaluation and Verification of a Novel Wrist Rehabilitation Robot Employing Safety-Related Mechanism	Moon, Inhyuk	Tuesday	15:15-16:00		
141	ICORR	Th27AMP.28	Skin Stretch Enhances Illusory Movement in Persons with Lower-Limb Amputation	Hebert, Jacqueline	Thursday	10:00-10:45		
142	INRS	32	Effects of Ankle Movement Training with Functional Electrical Stimulation on ankle function, balance, and gait speed in patients with stroke	Cho, Ji-Eun	Wednesday	10:00-10:45	Wednesday	15:15-16:00
143	RESNA	82	Predicting the toys that children and participants with cerebral palsy want to reach while controlling a haptic telerobotic system	Castellanos Cruz, Javier	Tuesday	15:15-16:00	Thursday	10:00-10:45
144	ICORR	Tu25AMPP.29	Supporting Play by Applying Haptic Guidance Along a Surface Learnt from Single Motion Trajectories	CASTELLANOS CRUZ, JAVIER LEONARDO	Tuesday	10:00-10:45		
145	ICORR	Th27AMP.8	Prototype Measuring Device for Assessing Interaction Forces between Human Limbs and Rehabilitation Robots - a Proof of Concept Study	Bessler, Jule	Thursday	10:00-10:45		
146	INRS	29	A novel object interception task to quantify impairments in rapid online corrections associated with stroke	Park, Kayne	Tuesday	10:00-10:45	Wednesday	10:00-10:45
147	RESNA	108	Relationship between impact damping and hysteresis wheelchair cushion performance test results	Kalliat, Keerthana	Tuesday	15:15-16:00	Thursday	10:00-10:45
148	IFESS	36	MAGNETRODE: Magnetic Multi-Pad Electrode For FET	Popovic-Maneski, Lana	Tuesday	10:00-10:45	Tuesday	12:15- 13:45
149	IFESS	37	Increasing Fitness With FES Rowing	Popovic-Maneski, Lana	Wednesday	10:00-10:45	Wednesday	12:15- 13:45
150	ISPO	20	Reliability, Validity, and Agreement of the Full and Short-form Activities-specific Balance Confidence Scale in People with Lower Extremity Amputations	Fuller Katherine A	Wednesday	15:15-16:00	Thursday	10:00-10:45
151	ICORR	Tu25PMPP.5	Effects of Electromyographically-Driven Neuromuscular Stimulation Cycling System on the Lower-Limb of Stroke Survivors	Tong, Kai Yu	Tuesday	15:15-16:00		
152	ICORR	Tu25AMPP.11	Design of a 3D Printed Soft Robotic Hand for Stroke Rehabilitation and Daily Activities Assistance	Tong, Kai Yu	Tuesday	10:00-10:45		
153	INRS	101	Utilization of Devices in rehabilitation of Cerebral Palsy	Ziakova, Elena	Wednesday	10:00-10:45	Thursday	10:00-10:45
154	RESNA	90	From innovation to marketing: A case study of an innovative lifting device in Taiwan	You, Su-Fen	Wednesday	12:15- 13:45	Wednesday	15:15-16:00
155	ICORR	Tu25AMPP.31	Development of a Pneumatic Exoskeleton Robot for Lower Limb Rehabilitation	Goergen, Roberta	Tuesday	10:00-10:45		
156	ICORR	We26PMPP.2	An Online Spectral Information-Enhanced Approach for Artifact Detection and Fault Attenuation in Myoelectric Control	Atashzar, S. Farokh	Wednesday	15:15-16:00		
157	INRS	55	Recording brain activity of healthy participants during active and passive cycling: A preliminary investigation	Seyedarabi, Nayereh	Wednesday	10:00-10:45	Thursday	10:00-10:45
158	RESNA	93	Motor Unit Based Human-Machine Interface for Improved Control of Prostheses	Twardowski, Michael D	Tuesday	10:00-10:45	Wednesday	15:15-16:00
159	ISPO	55	A MOTOR UNIT BASED NEURAL INTERFACE FOR REAL-TIME CONTROL OF UPPER-LIMB PROSTHESES	Twardowski Michael D	Tuesday	15:15-16:00	Wednesday	15:15-16:00
160	IFESS	65	Combined Cortical And Spinal Stimulation Acutely Alleviates Locomotor Deficits After Spinal Cord Injury.	Bonizzato, Marco	Tuesday	10:00-10:45	Tuesday	15:15-16:00
161	ACRM	3	Development and Validation of a Walking Speed Measurement Device	Jarvis, Leighanne	Wednesday	10:00-10:45	Thursday	10:00-10:45
162	ICORR	Tu25PMPP.14	Identification of Spring Coefficient for Heel Rocker Function Support Based on Estimated Dorsiflexion Torque	Hong, Jing-Chen	Tuesday	15:15-16:00		
163	ICORR	We26PMPP.31	Sparse Identification of Motor Learning Using Proxy Process Models	Patton, James	Wednesday	15:15-16:00		
164	INRS	85	Clinical Utility of the Overground Bodyweight Supporting Walking System Andago in Children with Neuromotor Disorders	van Hedel, Hubertus J.A.	Tuesday	10:00-10:45	Thursday	10:00-10:45
165	RESNA	84	Does the setting matter? Observing wheelchair transfers across different environmental conditions	Barbareschi, Giulia	Tuesday	15:15-16:00	Wednesday	15:15-16:00
166	ICORR	We26AMPP.21	Robot-Based Assessment of Sitting and Standing Balance: Preliminary Results in Parkinsons Disease	Marchesi, Giorgia	Wednesday	10:00-10:45		

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
167	ICORR	Th27AMP.32	Effects of rTMS and Intensive Rehabilitation in Parkinson's Disease on Learning and Retention	Marchesi, Giorgia	Thursday	10:00-10:45		
168	INRS	79	Users experience of power assisted exercise following stroke: An interpretative phenomenological analysis	Smith, Christine	Tuesday	10:00-10:45	Wednesday	10:00-10:45
169	RESNA	118	The Unspoken Voices Project	Smith, Christine	Tuesday	15:15-16:00	Wednesday	10:00-10:45
170	IFESS	16	Implementing An Electrical Stimulation Protocol As A Treatment For Swallowing Difficulties	Smith, Christine	Wednesday	10:00-10:45	Wednesday	15:15-16:00
171	IFESS	42	Clinicians' Perspectives On The Usability Of A Flexible Functional Electrical Stimulation System To Support Upper Limb Task Practice In People With Stroke	Smith, Christine	Thursday	10:00-10:45	Thursday	12:15- 13:45
172	IFESS	46	A Systematic Review Of Treatment Parameters For Post-Stroke Upper Limb Functional Electrical Stimulation	Smith, Christine	Thursday	10:00-10:45	Thursday	12:15- 13:45
173	IFESS	43	A 12 Month Follow Up Of The Re-Education Of Arm And Hand Function Following Stroke (Reach)	Smith, Christine	Thursday	10:00-10:45	Thursday	12:15- 13:45
174	ICORR	We26PMPP.17	Adaptive Continuous Integral-Sliding-Mode Controller for Wearable Robots: Application to an Upper Limb Exoskeleton	Jebri, Ayoub	Wednesday	15:15-16:00		
175	ICORR	Th27AMP.21	A Computational Pipeline to Find Lobule-Specific Electric Field Distribution During Non-Invasive Cerebellar Stimulation	Ruszala, Brandon	Thursday	10:00-10:45		
176	INRS	40	The Effect of Cycling on the Rehabilitation Process Following Lower Limb Musculoskeletal Surgical Procedures: A Systematic Review	Cardenas, Analyssa	Tuesday	15:15-16:00	Wednesday	15:15-16:00
177	RESNA	131	Evaluating the need for validation of AccessTools for deaf individuals: A qualitative study	McCartney, Anna	Tuesday	10:00-10:45	Wednesday	10:00-10:45
178	ICORR	We26PMPP.38	Proportional Myoelectric Control of a Powered Ankle Prosthesis for Postural Control under Expected Perturbation: A Pilot Study	Fleming, Aaron	Wednesday	15:15-16:00		
179	ICORR	Th27AMP.23	A Lightweight Linear Actuating System for Finger Articulation: A Proof-Of-Concept Study	Chizhik, Daniel	Thursday	10:00-10:45		
180	INRS	38	Sex and Gender Differences in Technology Needs and Preferences among Informal Caregivers of Persons with Dementia	Xiong, Chen	Tuesday	10:00-10:45	Wednesday	15:15-16:00
181	RESNA	120	Kinetic Classifications for Assessment of Typical and Atypical Infant Play Behavior with Toys	Kather, Collin	Wednesday	10:00-10:45	Wednesday	15:15-16:00
182	ICORR	Tu25AMPP.19	Investigation of Fatigue Using Different EMG Features	Aghamohammadi-Sereshki, Azadeh	Tuesday	10:00-10:45		
183	INRS	90	The eWrist - a user-friendly wearable assistive wrist exoskeleton with sEMG-based controller	Lambelet, Charles	Wednesday	10:00-10:45	Thursday	10:00-10:45
184	RESNA	109	Understanding goals of image exploration procedures by blind users	Duerstock, Bradley	Tuesday	15:15-16:00	Wednesday	15:15-16:00
185	ICORR	Tu25PMPP.16	Design of an Active Cooling System for Thermally Activated Soft Actuators	Trejos, Ana Luisa	Tuesday	15:15-16:00		
186	ICORR	Th27AMP.5	Enhancing the TherapistDevice Relationship: Software Requirements for Digital Collection and Analysis of Patient Data	Trejos, Ana Luisa	Thursday	10:00-10:45		
187	ICORR	Th27AMP.6	A Wearable Mechatronic Glove for Resistive Hand Therapy Exercises	Trejos, Ana Luisa	Thursday	10:00-10:45		
188	ICORR	Th27AMP.7	Design of User-Independent Hand Gesture Recognition Using Multilayer Perceptron Networks and Sensor Fusion Techniques	Trejos, Ana Luisa	Thursday	10:00-10:45		
189	INRS	34	Upper Limb Proprioceptive Deficits and Recovery during Rehabilitation in Subacute Stroke Survivors	Deblock-Bellamy, Anne	Tuesday	10:00-10:45	Wednesday	15:15-16:00
190	RESNA	115	Effects of soft robotic gloves on rehabilitation outcomes in individuals with sensorimotor hand impairments: a systematic review	Proulx, Camille	Wednesday	10:00-10:45	Thursday	10:00-10:45
191	ISPO	74	Introducing EOG in the Loop of P300 Wheelchair Control Interface	Kuo Chung Hsien	Tuesday	12:15-13:45	Wednesday	15:15-16:00
192	IFESS	57	A Novel Therapeutic Tool For Standing Balance For Individuals With Incomplete Spinal Cord Injury: A Pilot Study	Woung Lee, Jae	Tuesday	10:00-10:45	Tuesday	15:15-16:00
193	ACRM	8	SwapMyMood: An iOS App for Problem-Solving and Emotion Regulation after TBI	Morris, John	Tuesday	10:00-10:45	Wednesday	15:15-16:00
194	ACRM	9	Efficacy Evaluation of a Mobile App Designed To Support Physical Exercise for People with Spinal Cord Injury	Morris, John	Tuesday	12:15-13:45	Wednesday	15:15-16:00
195	ICORR	Tu25PMPP.13	A Two-Wire Body Weight Support System for Interactive Treadmill	Kim, Jonghyun	Tuesday	15:15-16:00		
196	ICORR	We26PMPP.19	Validating Model-Based Prediction of Biological Knee Moment During Walking with an Exoskeleton in Crouch Gait: Potential Application for Exoskeleton Control	Chen, Ji	Wednesday	15:15-16:00		
197	INRS	52	Robotic Assisted Gait Training (RAGT) and physiotherapy to improve walking function after stroke - a case study.	Whaley, Kyle	Wednesday	10:00-10:45	Thursday	10:00-10:45
198	RESNA	127	Design and analysis of a stance-control knee-ankle-foot orthosis	Eveleigh, Kieran	Tuesday	10:00-10:45	Wednesday	15:15-16:00
199	INRS	78	Toward Mitigating Pressure Injuries: Detecting Patient Orientation from Vertical Bed Reaction Forces	Gabison, Sharon	Wednesday	10:00-10:45	Thursday	10:00-10:45

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
200	ISPO	53	Can an individual with altered synergies control an unimpaired gait pattern?	Steele Katherine M	Tuesday	15:15-16:00	Wednesday	15:15-16:00
201	ICORR	Tu25AMPP.16	Towards the Development of a Learning-Based Intention Classification Framework for Pushrim-Activated Power-Assisted Wheelchairs	Khalili, Mahsa	Tuesday	10:00-10:45		
202	ICORR	We26AMPP.15	Studies on Practical Applications of Safe-Fall Control Strategies for Lower Limb Exoskeletons	Khalili, Mahsa	Wednesday	10:00-10:45		
203	RESNA	75	An overview of power-assisted pushrim-activated wheelchair control strategies	Khalili, Mahsa	Tuesday	10:00-10:45	Tuesday	15:15-16:00
204	RESNA	140	Feasibility study of using classification techniques to detect manual wheelchair users' intentions regarding the direction of motion	Khalili, Mahsa	Wednesday	10:00-10:45	Wednesday	15:15-16:00
205	ICORR	Th27AMP.25	Vibrotactile Feedback Improves Foot Placement Perception on Stairs for Lower-Limb Prosthesis Users	Rokhmanova, Nataliya	Thursday	10:00-10:45		
206	ISPO	79	IE-HD-EMG: Online Information-Enhanced High-Density EMG Technique with Artifact Detection and Attenuation for Myoelectric Control of Neuroprosthetic Devices	Stachaczyk Martyna	Tuesday	10:00-10:45	Thursday	10:00-10:45
207	INRS	28	Virtual Reality in Fibromyalgia: Does Altering Visual Feedback Impact on Pain and Movement during Reaching?	Dagenais, Marion	Tuesday	15:15-16:00	Wednesday	10:00-10:45
208	ICORR	We26PMPP.25	The Effect of an Automatically Levelling Wrist Control System	Pilarski, Patrick M.	Wednesday	15:15-16:00		
209	ICORR	Th27AMP.29	Exploring the Impact of Machine-Learned Predictions on Feedback from an Artificial Limb	Pilarski, Patrick M.	Thursday	10:00-10:45		
210	INRS	15	Mediolateral accelerations of head, chest and pelvis in Lokomat walking with and without FreeD in children with neuromotor disorders.	Labruyère, Rob	Tuesday	15:15-16:00	Wednesday	15:15-16:00
211	RESNA	143	HoVRS: Home-based Virtual Rehabilitation System	Qiu, Qinyin	Wednesday	10:00-10:45	Thursday	10:00-10:45
212	ICORR	We26PMPP.8	Admittance Control of the Ankle Mechanism in a Rotational Orthosis for Walking with Arm Swing *	Zhang, Qiuju	Wednesday	15:15-16:00		
213	ICORR	Th27AMP.34	A Control Architecture for Grasp Strength Regulation in Myocontrolled Robotic Hands Using Vibrotactile Feedback: Preliminary Results	Meattini, Roberto	Thursday	10:00-10:45		
214	INRS	47	Rapid Improvement of the Left Hemiplegic Upper Limb Characterized by an Immediate Effect via Robot-Assisted Therapy in a Patient with Metastatic Brain Tumor: A Case Study	Chida, Satoaki	Wednesday	10:00-10:45	Wednesday	15:15-16:00
215	RESNA	92	Clinical evaluation of a novel assistive device for safe stair negotiation	Bailey, Stephanie N.	Tuesday	10:00-10:45	Tuesday	15:15-16:00
216	ISPO	90	Clinical effectiveness of an electronic prosthesis alignment sensor	Ardianuari Satria	Wednesday	15:15-16:00	Thursday	10:00-10:45
217	ICORR	Tu25AMPP.9	Predictive Simulation of Human Walking Augmented by a Powered Ankle Exoskeleton	Nguyen, Vinh	Tuesday	10:00-10:45		
218	ICORR	We26AMPP.13	Visual Biofeedback of Force Information for Eccentric Training of Hemiplegic Patients	Tsuji, Toshiaki	Wednesday	10:00-10:45		
219	INRS	94	Upper Extremity 3-Dimensional Reachable Workspace Analysis Using Kinect in Hemiplegic Patients After Stroke	Lee, Yong Min	Tuesday	15:15-16:00	Thursday	10:00-10:45
220	RESNA	68	Development and application of Virtual-Reality Based Cognitive Therapy in Children with Brain Lesions: A pilot study	Kim, Hyunkyung	Tuesday	10:00-10:45	Wednesday	10:00-10:45
221	ICORR	Th27AMP.31	Beta band frequency differences between motor and frontal cortices in reaching movements	Ricci, Serena	Thursday	10:00-10:45		
222	ICORR	We26PMPP.11	A Support Vector Regression Approach for Continuous Prediction of Ankle Angle and Moment During Walking: An Implication for Developing a Control Strategy for Active Ankle Prostheses	Dey, Sharmita	Wednesday	15:15-16:00		
223	INRS	102	Gait features in the Lokomat: what can they tell us about walking ability?	Maggioni, Serena	Tuesday	15:15-16:00	Wednesday	10:00-10:45
224	IFESS	31	A Preliminary Study On Improving Walking Speed Of Hemiplegic Subjects By FES Foot Drop Correction	Watanabe, Takashi	Thursday	10:00-10:45	Thursday	12:15- 13:45
225	ISPO	28	Fast and Easy Hand Motion Changing Algorithm	KOREC) SEHOON PARK	Tuesday	10:00-10:45	Wednesday	15:15-16:00
226	ISPO	43	integrated type remote EMG sensor for the partial-hand prosthetics	KOREC) SEHOON PARK	Tuesday	15:15-16:00	Wednesday	15:15-16:00
227	RESNA	94	How does it shape up? Buttocks shape across wheelchair cushions.	Sonenblum, Sharon	Wednesday	10:00-10:45	Thursday	10:00-10:45
228	ACRM	11	Daily Activity Recognition and Assessment System for Stroke Rehabilitation	Proffitt, Rachel	Tuesday	10:00-10:45	Wednesday	15:15-16:00
229	ICORR	Tu25PMPP.9	Mechanical Development of a Scalable Structure for Adolescent Exoskeletons	KARDOFAKI, Mohamad	Tuesday	15:15-16:00		
230	ICORR	Th27AMP.13	Robot Learning of Assistive Manipulation Tasks by Demonstration Via Head Gesture-Based Interface	Haseeb, Muhammad Abdul	Thursday	10:00-10:45		
231	INRS	6	Driving scene -based driving errors in brain injury patients and their relevance to cognitive-perceptual function and functional activity level: A cross-sectional study	Park, Myoung-Ok	Tuesday	10:00-10:45	Thursday	10:00-10:45

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
232	INRS	24	Clinical Usefulness on K-MBI for Decision of Driving Rehabilitation Period in Patients with Stroke: A pilot study	Park, Myoung-Ok	Wednesday	15:15-16:00	Thursday	10:00-10:45
233	RESNA	162	ITIP2: Interdisciplinary technology instruction program for individualized technology implementation planning	Silverman, Michelle	Wednesday	10:00-10:45	Wednesday	12:15-13:45
234	ICORR	Tu25AMPP.26	Semi-Autonomous Tongue Control of an Assistive Robotic Manipulator for Individuals with Quadriplegia	Thøgersen, Mikkel	Tuesday	10:00-10:45		
235	ICORR	Th27AMP.11	Haptic Stimulation for Improving Training of a Motor Imagery BCI Developed for a Hand-Exoskeleton in Rehabilitation	Barsotti, Michele	Thursday	10:00-10:45		
236	INRS	59	A motor imagery brain computer interface for rehabilitation of phantom limb pain	Joghataei, Mohammad Taghi	Tuesday	15:15-16:00	Wednesday	15:15-16:00
237	RESNA	132	Smart Assistant devices and Set Top Boxes as an aid to daily living: A comparative analysis study	Hajihassan, Milad	Wednesday	10:00-10:45	Thursday	10:00-10:45
238	ICORR	Tu25PMPP.11	Soft Robotic Bilateral Hand Rehabilitation System for Fine Motor Learning	Haghshenas-Jaryani, Mahdi	Tuesday	15:15-16:00		
239	ICORR	Tu25AMPP.30	A Robot with an Augmented-Reality Display for Functional Capacity Evaluation and Rehabilitation of Injured Workers	Tavakoli, Mahdi	Tuesday	10:00-10:45		
241	RESNA	86	Parenting with a Disability: Exploring the Satisfaction and Efficacy of the PediaLift Wheelchair Accessible Crib	Gitlow, Lynn	Wednesday	10:00-10:45	Thursday	10:00-10:45
242	ICORR	Tu25PMPP.17	Weight-Supported Walking Assist Device for Knee Osteoarthritis Patients	Tamai, Kota	Tuesday	15:15-16:00		
243	ICORR	We26AMPP.18	Assistive Exoskeleton Control with User-Tuned Multi-Objective Optimization	Stewart, Kurt Saul	Wednesday	10:00-10:45		
244	RESNA	155	Wrist Orthosis to Suppress Involuntary Movements for Patients with Tension-Athetosis-Type Cerebral Palsy	Yano, Ken'ichi	Tuesday	10:00-10:45	Tuesday	15:15-16:00
245	ISPO	88	Effect of increasing prosthetic ankle power on the EMG activity of individuals with transtibial amputation during walking	Ingraham Kimberly	Wednesday	15:15-16:00	Thursday	10:00-10:45
246	IFESS	14	Multiple Sclerosis, Neuropathic Sensation And FES	Bo, Khin	Thursday	10:00-10:45	Thursday	12:15- 13:45
247	ICORR	We26PMPP.10	Real Time Computation of Centroidal Momentum While Human Walking in the Lower Limbs Rehabilitation Exoskeleton : Preliminary Trials	Jung, Je Hyung	Wednesday	15:15-16:00		
248	ICORR	Th27AMP.16	User-Centered Design and Evaluation of Physical Interfaces for an Exoskeleton for Paraplegic Users	Meyer, Jan Thomas	Thursday	10:00-10:45		
249	INRS	65	The Effects of Digital Sensory Perception Training Program on Children's Hand Function, Visual Perception and Attention	Kim, Hwan	Tuesday	10:00-10:45	Wednesday	10:00-10:45
250	RESNA	150	Do coworker interactions impact workplace participation of people with disabilities?	Mahajan, Harshal P	Tuesday	15:15-16:00	Wednesday	15:15-16:00
251	ISPO	23	A dynamic arm orthosis to assist powered wheelchair control for a man with Multiple Sclerosis: a case study	Bouffard Jason	Tuesday	10:00-10:45	Thursday	10:00-10:45
252	ISPO	59	Outcomes of JACO robotic arm as viewed by users, their caregivers and rehabilitation practitioners : A study protocol	Bouffard Jason	Wednesday	15:15-16:00	Thursday	10:00-10:45
253	ICORR	We26AMPP.5	Elicitation of Usability-Related Requirements for Upper-Limb Rehabilitation Systems	Zajc, Johannes	Wednesday	10:00-10:45		
254	INRS	56	Feasibility of a Technology-Assisted, Live-Streamed Home Dance Program for People with Chronic Stroke	Belfiore, Lauren Christina	Tuesday	15:15-16:00	Wednesday	15:15-16:00
255	RESNA	128	Review and Assessment of Osteoarthritis Unloading Knee Orthoses	Imboden, Madeleine	Tuesday	10:00-10:45	Wednesday	10:00-10:45
256	ICORR	We26PMPP.39	A Novel Multimodal Cognitive Interaction for Walker-Assisted Rehabilitation Therapies	Munera, Marcela	Wednesday	15:15-16:00		
257	ICORR	We26PMPP.40	Feasibility Study: Towards Estimation of Fatigue Level in Robot-Assisted Exercise for Cardiac Rehabilitation	Munera, Marcela	Wednesday	15:15-16:00		
258	INRS	70	Evaluating Motor Compensation Techniques for Bilateral Upper Limb Reaching Caused by the Design of a Visually Augmented Task in Immersive VR for Youth with Hemiplegic Motor Disorders	Shum, Leia	Wednesday	10:00-10:45	Thursday	10:00-10:45
259	RESNA	125	Comparison between two different prompting conditions when children use a Lego robot to perform a set of tasks	Gomez Medina, María F	Tuesday	15:15-16:00	Wednesday	15:15-16:00
260	ISPO	82	Enabling Agile Powered Prosthetic Legs over Continuously Varying Speeds and Inclines	Embry Kyle	Tuesday	10:00-10:45	Thursday	10:00-10:45
261	ICORR	We26PMPP.37	Methods for Describing and Characterizing the Mechanical Behavior of Running-Specific Prosthetic Feet	Shepherd, Max	Wednesday	15:15-16:00		
262	ISPO	96	Is More Prosthetic Foot Energy Storage and Return Better?	Shepherd Max	Tuesday	15:15-16:00	Wednesday	10:00-10:45
263	INRS	97	Does Body Weight Support Enable Early Training of Stair Negotiation?	Bannwart, Mathias Marco	Tuesday	10:00-10:45	Wednesday	15:15-16:00
264	RESNA	146	Small Kitchen Appliances Accessibility and Universal Design Information Tool (SKA-AUDIT)	Ardehali, Maysam M	Wednesday	10:00-10:45	Thursday	10:00-10:45
265	ICORR	We26PMPP.12	Dynamic Optimization of Gait with a Generalized Lower-Limb Prosthesis Model	Price, Mark	Wednesday	15:15-16:00		
266	INRS	33	A new walker to improve physical fitness and locomotor ability in elderly frail individuals	KANEKO, Naotsugu	Tuesday	10:00-10:45	Thursday	10:00-10:45
267	RESNA	126	Augmented reality system for feeding	Peixoto, Nathalia	Tuesday	15:15-16:00	Wednesday	10:00-10:45

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
268	ACRM		5 Patient Needs for mHealth/mRehab Interventions and Technologies	Thompson, Nicole	Tuesday	12:15-13:45	Wednesday	15:15-16:00
269	ICORR	Tu25AMPP.5	A Comprehensive Analysis of Sensorimotor Mechanisms of Inter-Leg Coordination in Gait Using the Variable Stiffness Treadmill: Physiological Insights for Improved Robot-Assisted Gait Therapy	Artemiadis, Panagiotis	Tuesday	10:00-10:45		
270	ICORR	We26PMPP.35	Anticipatory Muscle Responses in Transitions from Rigid to Compliant Surfaces: Towards Smart Ankle-Foot Prostheses	Artemiadis, Panagiotis	Wednesday	15:15-16:00		
271	INRS		95 Functional Ability, Lokomat® Settings and Volitional Lower-Limb Control Inform a Clinical Decision Making Algorithm for Progression from the Lokomat® to BWSTT in Subacute Stroke.	Prideaux, Nicole	Tuesday	10:00-10:45	Thursday	10:00-10:45
272	ISPO		87 Using Augmented Performance Feedback (APF) Activities During Lokomat® Therapy Results in Moderate Intensity Cardiovascular Exercise in Subacute Stroke Patients.	Prideaux Nicole	Tuesday	15:15-16:00	Thursday	10:00-10:45
273	RESNA		46 Upper limb robot rehabilitation of post-stroke patients using mirror therapy	Robson, Nina P	Wednesday	10:00-10:45	Wednesday	15:15-16:00
274	ICORR	Tu25PMPP.8	Comparison of Two Series Elastic Actuator Designs Incorporated into a Shoulder Exoskeleton	Casas, Rafael	Tuesday	15:15-16:00		
275	ICORR	We26AMPP.22	A Modular Hybrid Exoskeletal-Soft Glove for High Degree of Freedom Monitoring Capability	Trott, Robert	Wednesday	10:00-10:45		
276	INRS		23 Predicting Independence of Gait by Assessing Sitting Balance of Subacute Hemiplegic Stroke Patients through Sitting Posturography	Lee, Seunghwan	Tuesday	10:00-10:45	Tuesday	15:15-16:00
277	ICORR	Tu25AMPP.8	Voice Control Interface Prototype for Assistive Robots for People Living with Upper Limb Disabilities	Poirier, Samuel	Tuesday	10:00-10:45		
278	RESNA		138 Self-dosed electromyography biofeedback via wearable electronics in spinal cord injury: a feasibility study	Cotton, Ronald J	Wednesday	10:00-10:45	Thursday	10:00-10:45
279	ICORR	We26PMPP.30	Bio-Inspired Standing Balance Controller for a Full-Mobilization Exoskeleton	Baud, Romain	Wednesday	15:15-16:00		
280	ICORR	Th27AMP.3	Assisting Gait with Free Moments or Joint Moments on the Swing Leg	Jabeen, Saher	Thursday	10:00-10:45		
281	RESNA		73 Novice vs experienced wheelchair users: perceived difficulty of task performance with and without a push-rim-activated power assisted wheelchair (PAPAW)	Ramirez Herrera, Roxana	Tuesday	10:00-10:45	Wednesday	10:00-10:45
282	ICORR	Th27AMP.24	Passive Elbow Movement Assistant (PEMA): A Portable Exoskeleton to Compensate Angle-Dependent Tone Profile of the Elbow Joint Post-Stroke	Lee, Sang Wook	Thursday	10:00-10:45		
283	ICORR	Tu25AMPP.3	PedBotHome: Robotically-Assisted Ankle Rehabilitation System for Children with Cerebral Palsy	Cleary, Kevin	Tuesday	10:00-10:45		
284	INRS		46 Automatic versus Manual Tuning of Robot-Assisted Gait Training in People with Neurological Disorders	Fricke, Simone	Tuesday	15:15-16:00	Wednesday	10:00-10:45
285	RESNA		106 Detecting hands in egocentric videos after spinal cord injury through a combination of object detection and tracking approaches	Visée, Ryan	Tuesday	10:00-10:45	Thursday	10:00-10:45
286	ICORR	We26PMPP.29	Gait-Phase Dependent Control Using a Smart Walker for Physical Training	Uchiyama, Yasushi	Wednesday	15:15-16:00		
287	ICORR	We26AMPP.4	Characterizing Intent Changes in Exoskeleton-Assisted Walking through Onboard Sensors	Gambon, Taylor	Wednesday	10:00-10:45		
288	INRS		49 Effects of Selective Dorsal Rhizotomy with or without Robot-Assisted Gait Training on Gross Motor Function in Children with Cerebral Palsy	Tseng, Sung Hui	Tuesday	15:15-16:00	Thursday	10:00-10:45
289	RESNA		163 A Survey of Stepped Entrances Belonging to Businesses in Downtown Toronto: A Case Study	Lau, Sin-Tung	Tuesday	10:00-10:45	Wednesday	10:00-10:45
290	IFESS		27 Effects Of Afferent Input And Central Commands On Spinal Reflex Excitability Of Remote Limbs	Kato, Tatsuya	Wednesday	12:15- 13:45	Wednesday	15:15-16:00
291	ICORR	We26AMPP.16	Effects of Focal Vibration and Robotic Assistive Therapy on Upper Limb Spasticity in Incomplete Spinal Cord Injury	Jevtic Vojinovic, Tijana	Wednesday	10:00-10:45		
292	ICORR	We26PMPP.22	A Framework for Mode-Free Prosthetic Control for Unstructured Terrains	Rai, Vijeth	Wednesday	15:15-16:00		
293	INRS		89 MERLIN: Homecare Arm Rehabilitation	Keller, Thierry	Tuesday	15:15-16:00	Thursday	10:00-10:45
294	RESNA		158 Audio-Visual Keyword Spotting for Access Technology in Children with Cerebral Palsy and Speech Impairment	Orlandi, Silvia	Tuesday	10:00-10:45	Wednesday	15:15-16:00
295	ICORR	We26AMPP.8	Elbow Flexion Assist Orthosis for Arthrognosis	Rahman, Tariq	Wednesday	10:00-10:45		
296	ICORR	Tu25AMPP.15	Assessment of Human Wrist Rigidity and Pain in Post-Traumatic Patients	Albanese, Giulia Aurora	Tuesday	10:00-10:45		
297	INRS		73 Pilot Study and Protocol Development for Manual Wheelchair Propulsion Training Sessions in Virtual Reality	Hampshire, Sydney	Wednesday	15:15-16:00	Thursday	10:00-10:45
298	RESNA		161 Wheelchair propulsion monitoring before and after an intervention: an exploratory study	Chen, Pin-Wei	Tuesday	15:15-16:00	Wednesday	15:15-16:00
299	ICORR	We26AMPP.11	Development of a transparent operation mode for a lower-limb exoskeleton designed for children with cerebral palsy	Milanezi de Andrade, Rafael	Wednesday	10:00-10:45		

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
300	ICORR	Th27AMP.19	Load Carriage Device for Studying Medial-Lateral Stability of Walking: Design and Performance Evaluation	Martin, Jean-Paul	Thursday	10:00-10:45		
301	INRS	104	My Virtual Hand: Does Body Ownership over an Avatar Enhance Motor Performance?	Odermatt, Ingrid Angela	Tuesday	10:00-10:45	Wednesday	15:15-16:00
302	RESNA	107	Reliability of a standard test for wheelchair cushion envelopment characteristics	Freedman, Jenna R	Tuesday	15:15-16:00	Wednesday	10:00-10:45
303	ISPO	11	Efficacy of Flexible Brace (All Line™) on Idiopathic Scoliosis	Seo Jeong Hwan	Tuesday	10:00-10:45	Wednesday	15:15-16:00
304	ICORR	Th27AMP.17	Fine Motor Assessment with Unsupervised Learning for Personalized Rehabilitation in Parkinson Disease	Cavallo, Filippo	Thursday	10:00-10:45		
305	ICORR	We26AMPP.7	Multi-Compliance Printing Techniques for the Fabrication of Customisable Hand Exoskeletons	Sarwar, Waseem	Wednesday	10:00-10:45		
306	INRS	26	New Treatment for Chronic Heel Pain in Plantar Fasciitis	Riabko, Evgeniia	Tuesday	15:15-16:00	Wednesday	15:15-16:00
307	RESNA	152	Unleashing the power of tablets for dementia: Tackling social isolation and stigma	Dove, Erica	Tuesday	10:00-10:45	Thursday	10:00-10:45
308	ISPO	76	The effects of remote subthreshold electrical stimulation on skin sensitivity in the lower extremity	Plater Emma	Tuesday	15:15-16:00	Wednesday	10:00-10:45
309	ICORR	Th27AMP.22	IMU-Based Assistance Modulation in Upper Limb Soft Wearable Exosuits	Accoto, Dino	Thursday	10:00-10:45		
310	ICORR	We26PMPP.13	Robust Optimal Design of Energy Efficient Series Elastic Actuators: Application to a Powered Prosthetic Ankle	Bolivar Nieto, Edgar A.	Wednesday	15:15-16:00		
311	INRS	8	Effect of the Keeogo™ Exoskeleton on Disability of People with Multiple Sclerosis	McGibbon, Chris A.	Wednesday	10:00-10:45	Thursday	10:00-10:45
312	RESNA	105	Influence of cognitive functions on powered mobility device use: Protocol of a systematic review	Pellichero, Alice	Tuesday	10:00-10:45	Wednesday	15:15-16:00
313	ISPO	15	Older adults' perceptions and experiences with a community-based peer-led wheelchair- training program	Pellichero Alice	Tuesday	15:15-16:00	Wednesday	15:15-16:00
314	ICORR	We26AMPP.3	A preliminary study on the relationship between proprioceptive deficits and motor functions in chronic stroke patients	Cherpin, Adele	Wednesday	10:00-10:45		
315	ICORR	Tu25AMPP.27	A Commercially Available Capacitive Stretch-Sensitive Sensor for Measurement of Rotational Neck Movement in Healthy People: Proof of Concept	Walton, David Mark	Tuesday	10:00-10:45		
316	INRS	12	Quantitative evaluation of the effectiveness of botulinum toxin injection in patients with upper limb spasticity using an exoskeleton robot	Lan, Chao-Chieh	Wednesday	15:15-16:00	Thursday	10:00-10:45
317	RESNA	83	Analysis of functional connectivity of motor cortex areas involved in walking control in rehabilitation Post-Stroke patients with used Multi-modal Complex Exoskeleton	Khizhnikova, Anastasiya	Tuesday	15:15-16:00	Wednesday	10:00-10:45
318	IFESS	59	Multi-Channel Functional Electrical Stimulation: How Many Channels Are Optimal To Reduce Contraction Fatigability?	Collins, David	Tuesday	10:00-10:45	Tuesday	15:15-16:00
319	IFESS	60	Hyperpolarisation Of Motor Axons Contributes Markedly To Contraction Fatigability During Functional Electrical Stimulation	Collins, David	Wednesday	10:00-10:45	Wednesday	12:15- 13:45
320	ICORR	Th27AMP.15	Developing a Quasi-Static Controller for a Paralyzed Human Arm: A Simulation Study	Wolf, Derek	Thursday	10:00-10:45		
321	INRS	5	Mobile technologies for the conservative self-management of urinary incontinence: a systematic scoping review	Bernard, Stephanie	Wednesday	10:00-10:45	Wednesday	15:15-16:00
322	INRS	69	Rehabilitation of Musculoskeletal Disorders in Musicians: Steps Leading to the Development of an Online Platform	Roos, Marianne	Tuesday	10:00-10:45	Thursday	10:00-10:45
323	RESNA	78	Interrater reliability of the wheelchair components questionnaire between multicultural wheelchair professionals	Rispin, Karen	Tuesday	15:15-16:00	Wednesday	10:00-10:45
324	ICORR	Tu25AMPP.10	Training Propulsion: Locomotor Adaptation to Accelerations of the Trailing Limb	Sergi, Fabrizio	Tuesday	10:00-10:45		
325	ICORR	We26PMPP.34	Single-Stride Exposure to Pulse Torque Assistance Provided by a Robotic Exoskeleton at the Hip and Knee Joints	Sergi, Fabrizio	Wednesday	15:15-16:00		
326	ICORR	Th27AMP.30	StretchfMRI: A New Technique to Quantify the Contribution of the Reticular Formation to Long-Latency Responses Via fMRI	Sergi, Fabrizio	Thursday	10:00-10:45		
327	INRS	10	Effects of Robot-assisted Training on Gait Patterns in Parkinson's Disease	Bok, Soo-Kyung	Tuesday	10:00-10:45	Wednesday	10:00-10:45
328	RESNA	101	Driving challenges faced by new users of motorized mobility scooters	ARCHAMBAULT, Philippe S	Wednesday	15:15-16:00	Thursday	10:00-10:45
329	ICORR	Tu25AMPP.24	Improving the Accuracy of Wearable Sensors for Human Locomotion Tracking Using Phase-Locked Regression Models	Duong, Ton	Tuesday	10:00-10:45		
330	ICORR	Tu25PMPP.6	A Human-Assistive Robotic Platform with Quadrupedal Locomotion	Shen, Xiangrong	Tuesday	15:15-16:00		
331	INRS	16	The FreeD module for the Lokomat – what do we know so far?	Aurich (-Schuler), Tabea	Wednesday	10:00-10:45	Thursday	10:00-10:45
332	RESNA	142	Design of User Experience for Auto-Positioning of Communication Devices	Loeffler, Peter	Tuesday	10:00-10:45	Wednesday	15:15-16:00
333	ISPO	46	Development of the myoelectric Hand control system for an upper limb amputee	Kim Seunggi	Tuesday	15:15-16:00	Wednesday	10:00-10:45

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
334	ICORR	Tu25AMPP.14	Effects of varying the rest period on the onset angle of lumbar flexion-relaxation in simulated sheep shearing: a preliminary study	Oetomo, Denny	Tuesday	10:00-10:45		
335	RESNA	59	Influence of a peer-led community-based wheelchair skills training program on manual wheelchair users	Beaudoin, Maude	Wednesday	10:00-10:45	Thursday	10:00-10:45
336	INRS	88	Association Between Motor Recovery and Functional Independence Outcomes After Stroke	Papazian, Christina Marie	Tuesday	15:15-16:00	Wednesday	15:15-16:00
337	RESNA	47	Preliminary design of a device to assist handwriting in children with movement disorders	Lemire, Gabrielle	Tuesday	10:00-10:45	Thursday	10:00-10:45
338	ICORR	We26PMPP.21	An Assistive Control Strategy for Rehabilitation Robots Using Velocity Field and Force Field	Jabbariasl, Hamed	Wednesday	15:15-16:00		
339	RESNA	97	Exploring the Role of Wrist Temperature in Sleep Monitoring: Findings from Case Studies	Boger, Jennifer	Tuesday	10:00-10:45	Thursday	10:00-10:45
340	RESNA	141	Determining needs for technology for people with MCI/dementia at work: a human factors approach	Boger, Jennifer	Wednesday	10:00-10:45	Thursday	10:00-10:45
341	ICORR	Tu25PMPP.2	Development and Evaluation of a Novel Passive Wrist Bilateral Rehabilitation Device paired with Virtual Reality: A Feasibility Study	Yu, Haoyong	Tuesday	15:15-16:00		
342	ICORR	Th27AMP.10	An Anthropomorphic Soft Exosuit for Hand Rehabilitation	Klug, Florian	Thursday	10:00-10:45		
343	INRS	35	Development of a virtual reality training protocol to enhance gait and decrease neuropathic pain after incomplete spinal cord injury: a pilot study.	Dambreville, Charline	Tuesday	10:00-10:45	Wednesday	15:15-16:00
344	ISPO	77	Intuitive Clinician Control Interface for a Powered Knee-Ankle Prosthesis: A Case Study	Reznick Emma	Tuesday	15:15-16:00	Wednesday	10:00-10:45
345	IFESS	9	An Epidemiological Study Of Traumatic Spinal Cord Injuries In The Fastest Aging Area In Japan	Kudo, Daisuke	Thursday	10:00-10:45	Thursday	12:15- 13:45
346	ICORR	We26PMPP.6	High Mobility Control of an Omnidirectional Platform for Gait Rehabilitation after Stroke	Aguirre-Ollinger, Gabriel	Wednesday	15:15-16:00		
347	INRS	54	Clinical and Kinematic Evaluation of the Upper Limbs in Children with Cerebral Palsy	PEREZ SANPABLO, ALBERTO ISAAC	Tuesday	10:00-10:45	Thursday	10:00-10:45
348	INRS	72	Reliability of Inertial Sensors for detection of Physical Activity Types in Subjects with Parkinson Disease	PEREZ-SANPABLO, ALBERTO-ISAAC	Tuesday	15:15-16:00	Thursday	10:00-10:45
349	RESNA	66	Impact of playing a mobile word search game on cognitive function, engagement and mood of an older adult with dementia	Rincon, Adriana	Wednesday	10:00-10:45	Wednesday	15:15-16:00
350	ICORR	Tu25AMPP.13	User-Centered Design of a Multisensory Power Wheelchair Simulator: Towards Training and Rehabilitation Applications	VAILLAND, Guillaume	Tuesday	10:00-10:45		
351	ICORR	Tu25PMPP.12	A Platform for Rehabilitation of Finger Individuation in Children with Hemiplegic Cerebral Palsy	McCall, James	Tuesday	15:15-16:00		
352	INRS	62	A pilot study of the impact of PedBotHome, a game-based, robot-assisted ankle therapy system, on adherence to a home exercise program by children with cerebral palsy	Schladen, Manon Maitland	Wednesday	10:00-10:45	Thursday	10:00-10:45
353	ICORR	Tu25AMPP.25	A Geometric Framework for the Estimation of Joint Stiffness of the Human Wrist	Formica, Domenico	Tuesday	10:00-10:45		
354	ISPO	56	Testing a Novel Implant for Transfemoral Amputation	Smith Larry	Tuesday	15:15-16:00	Wednesday	15:15-16:00
355	IFESS	66	A Case Of Performing Liquid Delamination And Rehabilitation On Knee Joint Extension Contracture	Mita, Motoki	Thursday	10:00-10:45	Thursday	12:15- 13:45
356	ICORR	We26AMPP.24	ChairX: A Robotic Exoskeleton Chair for Industrial Workers	Wijegunawardana, Isira Damsith	Wednesday	10:00-10:45		
357	ICORR	Tu25AMPP.17	Assessment of Bimanual Proprioception During an Orientation Matching Task with a Physically Coupled Object	Galofaro, Elisa	Tuesday	10:00-10:45		
358	ISPO	80	Interface Pressure and Shear Stress inside Socket with and without Liner during Different Standing Conditions	Tran Thuc V	Tuesday	15:15-16:00	Wednesday	15:15-16:00
359	ICORR	Th27AMP.4	Do We Need Complex Rehabilitation Robots for Training Complex Tasks?	Penalver-Andres, Joaquin	Thursday	10:00-10:45		
360	RESNA	67	The effectiveness of an innovative lifting device to reduce operation risks in patient-transfer tasks	CHANG, JER-HAO	Tuesday	15:15-16:00	Wednesday	15:15-16:00
361	ISPO	48	Knee kinematics of gait for patients with knee osteoarthritis using the 2D/3D registration method	Hatakeyama Kazutoshi	Wednesday	15:15-16:00	Thursday	10:00-10:45
362	ICORR	Tu25AMPP.32	Development of Games Controlled by Kinect to Spine Physical Therapy	Gonçalves, Rogério Sales	Tuesday	10:00-10:45		
363	ICORR	We26PMPP.20	Design and Analysis of Flexible Joints for a Robust 3D Printed Prosthetic Hand	Cabibihan, John-John	Wednesday	15:15-16:00		
364	INRS	36	Inter-Joint Coupling during Elbow Flexion and Extension	Parhizi, Behdad	Tuesday	15:15-16:00	Wednesday	10:00-10:45
365	IFESS	19	Could Electrical Impedance Myography Predict Muscle Contraction To Make FES-Assisted Task Safer?	Fachin-Martins, Emerson	Tuesday	12:15- 13:45	Tuesday	15:15-16:00
366	IFESS	18	Towards FES-Assisted Cycling As A Therapeutic Device To Restore Paralyzed Muscles Post-Stroke Hemiparesis	Fachin-Martins, Emerson	Thursday	10:00-10:45	Thursday	12:15- 13:45
367	INRS	82	Automatic hand-object interaction detection using first person videos in individuals with cervical spinal cord injury living in the community	Bandini, Andrea	Tuesday	10:00-10:45	Wednesday	15:15-16:00

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
368	ICORR	Tu25PMPP.15	A Model-Based Method for Minimizing Reflected Motor Inertia in Off-Board Actuation Systems: Applications in Exoskeleton Design	Anderson, Anthony	Tuesday	15:15-16:00		
369	RESNA	71	Comparing lab-based and community wheelchair caster failures	Mhatre, Anand	Wednesday	10:00-10:45	Thursday	10:00-10:45
370	ISPO	58	Design of a measurement system for the analysis of vibration and impact during powered wheelchair use	Lebrasseur, Audrey	Tuesday	10:00-10:45	Wednesday	15:15-16:00
371	IFESS	30	The Effect Of Fatigue On Force-Frequency Curve With Nmes And Voluntary Contraction	Tomita, Aya	Wednesday	10:00-10:45	Wednesday	12:15- 13:45
372	ICORR	Th27AMP.35	Analysis on an Origami-Structured Actuator That Enhances Both Backdriveability and Power Amplification	Kim, Dongwon	Thursday	10:00-10:45		
373	RESNA	116	Occupational therapy perspectives and analysis of adapted nautical activities for long-term wheelchair users	Cristea, Karina	Tuesday	10:00-10:45	Wednesday	10:00-10:45
374	ISPO	39	Development of passive MCP joint thumb prosthesis	Jeon, Mankee	Tuesday	15:15-16:00	Thursday	10:00-10:45
375	ICORR	We26PMPP.14	Designing and Evaluating the Face of LilFlo: An Affordable Social Rehabilitation Robot	Johnson, Michelle J.	Wednesday	15:15-16:00		
376	ISPO	83	Feasibility of a task-invariant control scheme for a knee ankle exoskeleton designed for stroke rehabilitation	Divekar, Nikhil V	Tuesday	10:00-10:45	Wednesday	10:00-10:45
377	ICORR	Tu25PMPP.10	Design, Modelling and Experimental Evaluation of a Compact Elastic Actuator for a Gait Assisting Exoskeleton	Herodotou, Panagiotis	Tuesday	15:15-16:00		
378	ISPO	94	Pediatric Running with Lower-Limb Amputation: A Review of the Literature	Drake, Nicole	Wednesday	10:00-10:45	Thursday	10:00-10:45
379	RESNA	137	Fall prevention for elderly people using radar sensor: Feasibility study	Malesevic, Nebojsa M	Tuesday	10:00-10:45	Wednesday	15:15-16:00
380	ISPO	64	Biofidelic 3D printed trans-tibial residual limbs to facilitate bench testing of new socket technologies	Tung, James	Tuesday	15:15-16:00	Thursday	10:00-10:45
381	IFESS	54	Electrical Stimulation Of Lower Limb And Trunk For Centre Of Pressure Displacement During Standing	Imatz-Ojanguren, Eukene	Wednesday	10:00-10:45	Wednesday	12:15- 13:45
382	ISPO	33	Field validation of an early indicator of muscle fatigue during gait with an exoskeleton in an urban environment: a pilot study.	Bielmann, Mathieu	Tuesday	10:00-10:45	Wednesday	15:15-16:00
383	IFESS	15	Walking Rehabilitation Treatment Combined With Gait Exercise Assist Robot (GEAR) And Therapeutic Electrical Stimulation (TES) For Left Incomplete Paralysis After Subarachnoid Hemorrhage Surgery: A Case Report	Inoue, Junichi	Thursday	10:00-10:45	Thursday	12:15- 13:45
384	ICORR	We26PMPP.1	Can Multi-DoF Training Improve Robustness of Muscle Synergy Inspired Myocontrollers?	Vujaklija, Ivan	Wednesday	15:15-16:00		
385	ISPO	69	Development of an intelligent wheelchair that addresses the needs of the power wheelchair users	TODAM NGUEPNANG, Nathalie	Tuesday	10:00-10:45	Thursday	15:15-16:00
386	IFESS	76	Toward A Miniature Implantable System For Chronic Interfacing With Peripheral Nerves	Troyk, Philip	Tuesday	12:15- 13:45	Tuesday	15:15-16:00
387	RESNA	153	Satisfaction with wheelchair use and health-related quality of life among persons with spinal cord injury in South-west Nigeria	Olaleye, Olubukola A	Wednesday	10:00-10:45	Wednesday	15:15-16:00
388	ISPO	85	The modified novel device for the stiffness measurement of an ankle foot orthosis	Ochi, Mitsuhiro	Tuesday	15:15-16:00	Thursday	15:15-16:00
389	IFESS	23	The Influence Of Electrode Configuration And Pulse Shape On Neural Activation	Jarvis, Jonathan	Tuesday	10:00-10:45	Tuesday	12:15- 13:45
390	RESNA	111	Near-infrared spectroscopy measurement of cortical activation for stroke during electrical stimulation assisted cycling	CHEN, JIA-JIN	Tuesday	15:15-16:00	Wednesday	15:15-16:00
391	ICORR	Th27AMP.33	Designing an Adaptive Prosthetic Socket Controller Using H-Infinity Loop Shaping Synthesis	Nguyen, Harrison	Thursday	10:00-10:45		
392	INRS	7	Estimation of Energy Expenditure During Nordic Walking	Baek, Sora	Tuesday	15:15-16:00	Wednesday	15:15-16:00
393	ISPO	21	Development and Assessment of a Wearable Vibrotactile Biofeedback System to Improve Gait of Individuals with Lower-Limb Amputation	Escamilla, Rafael	Tuesday	10:00-10:45	Wednesday	10:00-10:45
394	IFESS	51	Functional Electrical Stimulation Guidelines For The Lower Limb Project	Street, Tamsyn	Thursday	10:00-10:45	Thursday	12:15- 13:45
395	ICORR	We26PMPP.9	Preliminary Evaluation of Disturbance Torque Estimation Approaches for Lower-Limb Robotic Rehabilitation	Campo, Jonathan	Wednesday	15:15-16:00		
396	IFESS	11	Extension And Flexion Of The Wrist Using A 2-Channel Proportional EMG-FES	Osuagwu, Bethel	Tuesday	10:00-10:45	Tuesday	12:15- 13:45
397	RESNA	147	New crowd-sourced tools to inform workplace accommodation decisions	Milchus, Karen	Tuesday	15:15-16:00	Thursday	10:00-10:45
398	INRS	112	Characteristics of Co-activation & Co-contraction at Ankle in children with CP	Zhang, Li-Qun	Tuesday	10:00-10:45	Wednesday	15:15-16:00
399	IFESS	22	Monitoring Phrenic Nerve Stimulation-Induced Breathing Via Tracheal Sounds	Lu, Xinyue	Wednesday	10:00-10:45	Wednesday	15:15-16:00
400	INRS	81	Enhancing Non-Gait-Specific Interventions to Improve Walking after Spinal Cord Injury	Barss, Trevor Scott	Tuesday	15:15-16:00	Thursday	10:00-10:45
401	ISPO	40	A digital peer-led approach to physical activity counselling among manual wheelchair users: Preliminary findings	Bourassa, Sophie	Tuesday	10:00-10:45	Wednesday	15:15-16:00

Poster Board Number	Conference	Conference Poster ID	Poster Title	Presenting Author	Presentation Day 1	Presentation Time 1	Presentation Day 2	Presentation Time 2
402	IFESS		72 Referred Sensation Areas In Transfemoral Amputee	Romulus Lontis, Eugen	Wednesday	10:00-10:45	Wednesday	12:15- 13:45
403	ICORR	We26PMPP.4	A Compliant, Underactuated Finger for Anthropomorphic Hands	Kontoudis, George	Wednesday	15:15-16:00		
404	ISPO		66 Assessing a 2D Video Gait Analysis Tool for Lower Limb Prosthetic Users in Under-Resourced Countries	Michellini, Alexandria	Tuesday	15:15-16:00	Wednesday	10:00-10:45
405	IFESS		64 Electrical Stimulation For Upper Limb Rehabilitation Post Stroke Applied Using A Wearable Electronic Array	Hughes, Ann-Marie	Tuesday	10:00-10:45	Tuesday	12:15- 13:45
406	RESNA		69 Biofeedback in an active video game technology: Engaging young people with cerebral palsy in home-based therapy activities	MacIntosh, Alexander	Wednesday	10:00-10:45	Thursday	10:00-10:45
407	INRS		53 Electromyography-triggered Robotic Assistance with the usage of Luna EMG - Case Study	Poświata, Anna	Tuesday	10:00-10:45	Tuesday	15:15-16:00
408	IFESS		35 Safety Of Intraoperative Intraspinal Microstimulation – Implications Towards Functional Mapping Of The Spinal Cord	Hu, David	Wednesday	12:15- 13:45	Wednesday	15:15-16:00
409	ISPO		18 The rare rehabilitation experience on becoming a blind amputee: a case study	Nestico, Jacqueline	Tuesday	15:15-16:00	Wednesday	10:00-10:45
410	RESNA		157 Functional neuromuscular stimulation to facilitate assisted transfers: a pilot study	Bean, Nicholas F	Tuesday	10:00-10:45	Thursday	10:00-10:45
411	ICORR	We26PMPP.24	RNN-Based On-Line Continuous Gait Phase Estimation from Shank-Mounted IMUs to Control Ankle Exoskeletons	Seo, Keehong	Wednesday	15:15-16:00		
412	ISPO		30 Comparison between two kinematic algorithm and ground reaction force technique for determining gait events during overground walking in trans-tibial population	Samala, Manunchaya	Wednesday	10:00-10:45	Thursday	10:00-10:45
413	RESNA		119 User Evaluation of the AgileLife Patient Transfer System	Osten, Natalie R	Tuesday	10:00-10:45	Tuesday	15:15-16:00
414	ICORR	We26PMPP.16	Virtual Reality Environments and Haptic Strategies to Enhance Implicit Learning and Motivation in Robot-Assisted Gait Training	Marchal-Crespo, Laura	Wednesday	15:15-16:00		
415	IFESS		40 Prediction-Based Control Of Walking In A Hemiplegia Model Using Intraspinal Microstimulation	Rozzko, David	Tuesday	12:15- 13:45	Tuesday	15:15-16:00
416	INRS		44 The Therapeutic Effect and Complications of Oro-esophageal Tube Training in Stroke Patients	Lee, Sook Joung	Wednesday	10:00-10:45	Thursday	10:00-10:45
417	RESNA		103 Immersive exergames for virtual rehabilitation of elderly fallers	Pereira, Guido A F	Wednesday	10:00-10:45	Thursday	10:00-10:45
418	ICORR	We26PMPP.26	The Effect of Skill Level Matching in Dyadic Interaction on Learning of a Tracing Task	Kager, Simone	Wednesday	15:15-16:00		
419	INRS		99 Assessing the usability and effectiveness of mRehab, a portable rehabilitation system using smartphone and 3D print technology	Bhattacharjya, Langan; Sutanuka, Jeanne	Tuesday	15:15-16:00	Wednesday	10:00-10:45
420	ISPO		16 A review of knee and hip osteoarthritis in transfemoral amputees	Hutton, Tracie J	Tuesday	10:00-10:45	Thursday	10:00-10:45
421	IFESS		25 Time Course Of Changes In Corticospinal Excitability During Electrical Stimulation Of Ankle Dorsiflexors	Yamaguchi, Akiko	Wednesday	12:15- 13:45	Wednesday	15:15-16:00
422	ISPO		25 Modular Adaptable Transhumeral Prosthetic Socket for Evaluating Myoelectric Control	Hallworth, Ben	Wednesday	10:00-10:45	Thursday	10:00-10:45
423	ICORR	We26PMPP.27	Evaluation of the Role of Proprioception During Proportional Position Control Using Sonomyography: Applications in Prosthetic Control	Patwardhan, Shrinivas	Wednesday	15:15-16:00		
424	IFESS		44 An Alternative Prophylaxis For Deep Vein Thrombosis Using Intermittent Electrical Stimulation	Rahemtulla, Kahir	Tuesday	10:00-10:45	Tuesday	15:15-16:00
425	INRS		31 Efficacy of PedBot on strength and range of motion in children with cerebral palsy: A preliminary report	Lee Belschner, Justine	Wednesday	10:00-10:45	Wednesday	15:15-16:00
426	INRS		61 Predicting Therapeutic Responses to the Portable Neuromodulation Stimulator (PoNSTM) in Persons with Mild-To-Moderate Traumatic Brain Injury (mmTBI) Using Pooled Data From Two Randomized Clinical Trials	Skinner, Kim	Wednesday	12:15-13:45	Wednesday	15:15-16:00
427	RESNA		43 Transfer Learning for Prosthetics Using Imitation Learning	Montaser Mohammedalamen	Tuesday	15:15-16:00	Thursday	10:00-10:45
428	IFESS		57 Design of Sensory Recognition and Feedback System for the Upper Limb Amputee	Hong, Gwang-Wook	Tuesday	12:15-13:45	Tuesday	15:15-16:00
429	INRS		86 Utilizing a Systematic Application of Rehab Technology in an Inpatient Rehab Setting Leads to Increased Repetition, Improved Outcomes	Vaught, Jessica	Wednesday	15:15-16:00	Thursday	10:00-10:45