

Paper ID	Title	Author	ROOM	Conference Code	Date	Day	Time Period
053	Gait cycle classification for wheeled walker users by matching time series of distance measurements	Christian Mandel, Amit Choudhury, Serge Autexier, Karin Hochbaum, Steffen Brüggemann, Petra Wedler	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
056	Computational musculoskeletal modeling of compensatory movements in the upper limb	Michael Reilly, Kimberly Kontson	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
105	Designing the Gateway Remote for a patient with traumatic brain injury	John Miller	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
113	Controllability evaluation of new control parameter for myoelectric control-type electrolarynx	Katsutoshi OE, Ryoya NAKAMURA	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
116	LOW COST ADAPTIVE SEATING SOLUTION in CHILD with CEREBRAL PALSY CHILD: A CASE STUDY	Tossawat Sittidech, Suchitra Kheowsri, Supachan Traitruengsakul, Warin Krityakiarana	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
122	Mobile Applications for Promoting Visual Perceptual Skills: A Systematic Review	SUPAWADEE LEE, Zhan Zhang, Angel Rodriguez	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
138	Improving physical activity levels of individuals with spinal cord injury in the community	Noor Shoaib, Amir Mohammad Amiri, Binod Thapa Chhetry, Gretchen Snethen, Mary Schmidt-Read, Marlyn Ramos Lamboy, Stephen Intille, Shivayogi Hiremath	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
141	Let's Ride: design of an adaptive tricycle system for client with cerebral palsy	Elizabeth Hoskin	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
143	Designing a way-finding tool for people with cognitive difficulties	Neeta Khanuja, Edward Steinfeld	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
146	Conceptual framework for and design prototype for Young Children's Assistive Technology (yCAT): A novel approach to environmental access and control through an interactive human-building system	Nicole Radlow, Brinda Angra	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm

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148	Ethical implications of the use of tele-operation technology for powered wheelchair assessment and training	Emma Smith	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
152	Exploring the use of a new power mobility training program for young children with cerebral palsy: A single subject research design	Genevieve Daoust, Asia Khaton, Resi Contardo, Paula Rushton	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
154	The Relationship between Joint Ranges of Motion and Joint Kinetics during Sitting Pivot Wheelchair Transfers	Lin Wei, Chung-Ying Tsai, Hyun-Wook Ka, Alicia Koontz	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
157	A comparison of glenohumeral joint kinematics and functional outcomes in adults with rotator cuff tear	Margaret French	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
159	Towards an Autonomy-Based Approach to Design and Develop Mobility Assistive Technologies for Spinal Cord Injury Populations	Mahsa Khalili, Machiel Van der Loos, Jaimie Borisoff	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
164	Classifying intensity of activity using ActiGraph monitor in wheelchair users	Akhila Veerubhotla, KaLai Tsang, Khara James, Dan Din	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
169	Robotic assessment to quantify HIV-related episodic disability in stroke	Kevin Bui, Michelle Johnson	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
171	Determining a standardized dispersion index method	Nahal Aghababa	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
175	The impact of toy design on natural play interactions of premature infants	Wilson Torres, Elaine Ho, Michelle Johnson	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
179	How do Mobility Add-Ons Change the Loading Conditions on Manual Wheelchair Frames?	Colleen Ogilvie	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
181	Assessment of Atypical Motor Development in Infants through Toy-stimulated Play and Center of Pressure Analysis	Susan Zhao, Mayumi Mohan, Wilson Torres, Daniel Bogen, Fraces Shofer, Laura Prosser, Michelle Johnson,	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm

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183	The Design of Lil'Flo, an Affordable Socially Assistive Robot for Telepresence Rehabilitation	Michael Sobrepera	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
234	Development and Evaluation of IT-based Adjustable Pressure Relief Air Cushion for Persons with Spinal Cord Injury	Jeong-Hyun Kim, Jongbae Kim, Subin Hwang, Wanho Jang, Wonseuk Choi	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
235	A Pilot study for Usefulness of Customized Wrist Splint by Thermoforming Manufacturing process Using 3D printing	Wonseuk Choi, Wanho Jang, Jongbae Kim, Jeong-Hyun Kim, Subin Hwang	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
236	A Comparison Study of the Off-Loading and Air Cushion for Wheelchair Curling Players with Spinal Cord Injury	Wanho Jang, Jongbae Kim, Wonseuk CHOI, Jeong-Hyun Kim, Subin Hwang	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
237	A Web-Based Design Resource for Wheelchair Anthropometry and Accessibility in the Built Environment	Aravind Bharathy, Clive D'Souza	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
240	Multimedia Training for Parents of Preschool Children with Augmentative and Alternative Communication Needs	Leah Safer	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
242	Design and Field Evaluation of a Manual Wheelchair Seat Elevator for Throwing Events	Anand Mhatre, Jon Duvall, Rory Cooper, Brandon Daveler	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
244	Accessible But Not Usable: Improving Practices for Surveying People with Disabilities	Irina Nikivincze, Julie Ancis	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
247	Delivering a Meta-Cognitive Rehabilitation Intervention Using the iADAPTS Mobile Health System: a Feasibility Study	Emily Kringle, I Made Agus Setiawan, Bambang Parmanto, Elizabeth Skidmore	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
249	The Design of Bus Reservation System for the Transportation Vulnerable	kiwon kim, Young-jun ko, Jongbae Kim	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm

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251	Research and Development Needs and the Role of Rehabilitation Engineering in Combining Therapy and Social Robot Applications	Maysam Ardehali, Qussai Obiedat, Roger Smith	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
253	Measuring Early-Childhood Power Mobility: Development of a Gobabygo Data Logging Device	William Janes	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
252	HESTIA – A Home Evaluation APP: Usability Analysis	Rochelle Mendonca, Roger Smith, Noralyn Pickens, Suzanne Burns	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm
255	Do Therapists Use Object Affordances to Develop Functional Activities for Task-Oriented Therapy: Implications for Robot-Assisted Task-Oriented Therapy	Rochelle Mendonca	Independence Center, Hall A - Independence level	PO01	7/13/2018	Friday	2:15 pm - 4:00 pm