

RehabWeek 2019 Workshop Program

Day 1: June 24th / Pre-Congress Workshop Day

08:15 - 09:45	Robotics in gait retraining for stroke rehabilitation a continuum of care	Living knowledge mobilization: transitions within, between, and out of academia and industry	High-Density EMG Neurobiomarkers for improving rehabilitation therapies	Autonomy and intelligence in robotic rehabilitation and assistive technologies	Learn how to use functional electrical stimulation (FES) garments to generate relevant movements.	FES cycling for rehabilitation after CNS lesion	Interactive Computer Play for pediatric motor therapies: emerging technologies in clinical practice	Rehabilitation technology: training to assist or assisting to train?	Integrating artificial intelligence with neural intelligence to improve control of prosthetic limbs	Innovative technologies to monitor health and function in home and community settings	The FUNctional features hidden inside power wheelchair electronics	SCI-High indicators: Measuring the quality of rehabilitation interventions from hospital to home	The challenges and opportunities of rehabilitation research patient recruitment	Maximizing therapy outcomes, from research to clinic – smart devices and research protocols  
Coffee Break 09:45 - 10:30														
10:30 - 12:00	The Power to Overcome: Growth and sustainability in high rehabilitation technology programs	Neurorehabilitation after cognitive and motor impairment			Therapeutic FES based on motor control principles for stroke rehabilitation	Restoring voluntary grasping function after stroke or SCI using functional electrical stimulation	Impact of an audio-visual multimedia tool on older adults' motivation to engage in physical activity	Applying electrical myographic signal and bluetooth on assistive technology		Home-based technologies to assess and treat motor impairment in individuals with neurologic injury			Analysis and ongoing development of the FMA/UDS mobility registry	Maximizing therapy outcomes, from research to clinic – smart treatment planning and AI  
Lunch 12:00 - 13:45														
13:45 - 15:15	Advanced outcome metrics for upper limb sensory-motor function	Simple or complex rehabilitation robots? Choosing appropriate tools for neurorehabilitation	2020-2030: How will rehabilitation and technologies change for patients, clinicians and society?	Managing shear forces through strategic friction reduction: science, standards and outcomes	Hybrid FES-Robotic rehabilitation systems	Advances in neurorobotics and neuroprosthetics in rehabilitation from technology to physiology	Application of current findings from virtual reality research to clinical intervention	Non-invasive BCI-controlled grasp neuroprosthesis for people with high SCI – the MoreGrasp approach	Individualized assessment and education considerations for students with disabilities	Assessing fracture and fall risk among individuals with spinal cord injury living in the community	Robotic wheelchairs: Current trends and objective quantification to improve driving performance	Therapeutic intermittent Hypoxia: from mechanisms to treatment	Is it good value for money? Fusing economic analyses into your rehabilitation research project	
Coffee Break 15:15 - 16:00														
16:00 - 17:30	Dynamic balance during walking: what can we learn from different patient groups?		* 2.half in exh.hall	Integrating 3D-printed assistive technology into occupational therapy with Makers Making Change	Utility of Functional Electrical Stimulation (FES) in rehabilitation medicine's continuum of care			Artificial intelligence for revolutionizing mental health problems & rehabilitation in older adults		On the path to excellence in telehealth	ISWP training tools you can use	Getting the most out of the exhibit hall: how to ask for the evidence	A multidisciplinary approach to commercializing rehabilitation and assistive technologies	

 Application of Rehabilitation Technology	 FES	 Assistive Technology	 Wheelchairs	 General topics
 Development of Rehabilitation Technology	 Virtual Rehabilitation	 Smart Environment	 General	 Industry workshop
		 Tele Rehabilitation	 Rehabilitation Topics	

