



2018 SUMMER SCHOOL ON NEUROREHABILITATION

Time	Topic	Presenter	Title
Thursday 09:45 - 10:30	Robotic Therapies	Asín Guillermo	Pilot study: submaximal force control training for robotic therapy.
		Bessler Jule	Assessing Safety and Performance Indicators in Rehabilitation Robotics
		Peñalver-Andrés Joaquín	EEG-based Assessment and Adaptation of Novel (Robotic) Neuro-rehabilitation Therapies
Thursday 11:45 - 12:30	Neuroplasticity / Neuromodulation	Arantxa San Agustín	Paired Associative Stimulation Protocols with Transcranial Magnetic Stimulation for Motor Cortex Potentiation
		Leerskov Kasper K.	Investigating Concurrent Neuroplasticity and Changes in Level of Functionality in SCI Individuals
		Van't Veld Ronald C.	Down-Conditioning of Soleus Reflex Activity using Mechanical Stimuli and EMG Biofeedback
Friday 09:00 - 09:45	Motor control (EMG and FES)	Urh Filip	On the Impact of Witnesses Selection in Pulse-to-Noise Ratio Based Assessment of Motor Unit Identification Accuracy from High-Density EMG
		Spomer Alyssa M.	A Feedback System to Characterize and Target Altered Motor Control in Cerebral Palsy
		Osuagwu Bethel A. C.	Proportional control of FES for grasping using voluntary EMG from stimulated hand muscles
Friday 09:45 - 10:30	Prosthetics / Implantable devices	Eline Van Staveren	No Title (MyLeg will develop a new generation of powered transfemoral prosthetic legs...)
		Toth Luca	Phoenix Orthoses – smart memory alloy and 3D printing in upper-limb exoskeleton development for post-stroke rehabilitation – design and technical assessment
		García-Moreno Aracelys	Review of the rationale behind mechanical tests for active implantable medical devices towards the mechanical testing of eAXON microstimulators
Friday 11:45 - 12:30	Biomechanics / Motion Analysis	Earley Eric J.	Visual Discrimination of Biomimetic Arm Speeds
		Gómez García Jorge Andrés	Analysis of video-oculographic registers for the discrimination of Parkinson's disease
		Elkyn Belalcazar	Survey of Common Issues in Magnetic Inertial Sensors: Main Neuro-Rehabilitation Applications