



2019
SUMMER SCHOOL ON
NEUROREHABILITATION

POSTER PRESENTATIONS		
PO-1	Aaron Braendli	Nonhuman primate model of subcortical stroke
PO-2	Alexandre Brandão	Interaction Devices and Virtual Reality for Neurorehabilitation
PO-3	Alice Ghezzi	Soft bionic hands for children
PO-4	Andrea Zedda	DoMoMEA: a tele-neurorehabilitation platform for stroke patients
PO-5	Antonio Oliviero	Transcranial Static Magnetic Field Stimulation of the Human Brain
PO-6	Bruno Averta Giuseppe	Humans that inspire robotics: how physiology can help to device human-oriented technology
PO-7	Camila Rodrigues de Carvalho e Carv	Study and evaluation of the use of intramuscular sensors for neuromuscular detection and robotic systems for spinal cord injury
PO-8	Carlos Jaime Canchola Hernández	Immediate and late effects in Ankle Dorsiflexion based on Adaptive Functional Electrical Stimulation (AFES) in Spastic Paresis
PO-9	Clemens Gstöttner	A fully implantable myoelectric system for prosthetic control
PO-10	Cristian Javier Cuadra	Finger force perception during pressing tasks: Comparison of force matching and psychophysical reports
PO-11	Deren Barsakcioglu	A system for real-time surface EMG decomposition for non-invasive human-machine interfaces
PO-12	Dong Hyun Kim	Development of a soft dexterous hand rehabilitation device that achieves natural postures in various joint stiffness conditions
PO-13	Elisa Galofaro	Design and development of a new low-cost device to assess bimanual proprioception during an orientation matching task
PO-14	Estefanía Estévez Priego	Tailored 3D Functional Neuronal Cultures to Model Disease and Tissue Regeneration.
PO-15	Federica Barontini	An approach to convey proprioception and force feedback in subject with limb loss
PO-16	Gemma Carolina Bettelani	Optimal Linear Filtering for Modelling the Dynamic Integration of Touch and Proprioception for Hand Movement Control
PO-17	Hangil Lee	Evaluation of Passive Knee Supporting Wear Using Biomechanical Simulation and Experiments
PO-18	Hsien-Yung, Huang	The Neuromechanics Evaluation Device (NED) for lower limb joint neuromechanics investigation
PO-19	Ivan Zubarev	Magnetoencephalography-based brain-computer interfaces for motor rehabilitation
PO-20	Jo SeongHyeon	Reconstruction of conductivity of brain lesion of patient with stroke in multi-frequency EIT
PO-21	Joseph Tsongo Vughuma	Control of an Active Ankle-Foot Orthosis
PO-22	Juan Vázquez-Díez	The use of a BCI in gait rehabilitation of stroke patients.
PO-23	Konstantin Bergmeister	Nerve transfers in Bionic Reconstruction
PO-24	Kyoung-Soub Lee	Low Cost Shoulder Rehabilitation Robot
PO-25	Laura Ferrante	Variable impedance control for upper limb prosthetics
PO-26	Lilla Zólyominé Botzheim	Motor synergies of cyclic upper limb movement
PO-27	Magdalena Zych	Characterisation of stability and energy for split-belt treadmill adaptation with use of neuromuscular modelling
PO-28	Maialen Zelaia Amilibia	Metric evaluation for gait pattern analysis of brain damaged patients with exoskeleton
PO-29	Martyna Stachaczyk	Detecting Motion Intention with Increased Spatio-Temporal Resolution

PO-30	Nuria Benito Frías	Cortical muscle activity and its implications in neurorehabilitation
PO-31	Óscar Herreras	Cortical field potentials are largely contaminated by volume-conducted contributions
PO-32	Raphael Maria Mayer	Sensory Feedback: A Novel Interface via Bone Conduction for Upper Limb Prostheses
PO-33	Ricardo Garcia-Rosas	On-line personalisation of a synergistic elbow prosthesis through the use of upper-body compensation motion as a measure of performance
PO-34	Robert Schulte	Motor Intent Recognition Using Deep Learning Ensemble To Be Used In Prosthetic Control
PO-35	Sara Nataletti	Sensory feedback by electrotactile stimulation to improve post-stroke motor recovery
PO-36	Seminara Lucia	A new concept of haptic interface for the reconstruction of the sense of touch
PO-37	Si-Hwan Heo	Novel prosthetic hand system for dexterous in-hand manipulation
PO-38	Simon Lemerle	Soft Architectures for Bionic Limbs: A Variable Stiffness Elbow Joint
PO-39	Stefan Salminger	Long-term Implant of Intramuscular Sensors and Nerve Transfers for Natural Wireless Control of Robotic Arms in Above Elbow Amputees
PO-40	Valeria Falzarano	Robotic Assessment of upper limb spasticity in pediatric population