2023 SUMMER SCHOOL ON SSNR NEUROREHABILITATION

Jun/11/23

SSNR2023 Poster Assignments

#	Submitter Name	Title	Authors
PO-01	Lorenzo Amato	Toward Safe Patient-Robot Interaction : Transparency Evaluation on Shoulder-Elbow Exoskeleton	Lorenzo Amato
PO-02	Eugenio Anselmino	Early decoding of walking tasks: from low to high density EMG	Barberi, Francesco Iberite, Emanuele Gruppioni, Alberto
PO-03	Maria Vanessa Arteaga E	Position of electrodes in HD-sEMG of post-stroke rehabilitation progress	Lang Dr. Med, Dr. phil. med, Catalina Alvarado-Rojas PhD, Daniele Allegri PhD
PO-04	Carmen Ballester Bernab	Towards Improved Ankle Rehabilitation: A Proposal for Patient Interactive Control of SMA-Actuated Soft Exoskeletons	Carmen Ballester, Dorin Copaci, Dolores Blanco
PO-05	Laura Bandini	Experimental and analytical tools to study sensorimotor interaction in competitive tasks	Laura Bandini, Cecilia De Vicariis and Vittorio Sanguineti
PO-06	Carley Butler	Corticospinal-Motoneuronal Plasticity in Upper Limb Muscles after Spinal Cord Injury	Carley LP Butler, Monica A Perez
PO-07	Emily Bywater	Investigations into Customizing Bilateral Ankle Exoskeletons to Increase Vertical Jumping Performance	Emily A. Bywater, Roberto Leo Medrano, Elliott J. Rouse
PO-08	Matteo Ceradini	Evaluation of a dry and wireless EEG helmet in upper-limb motor imagery and execution tasks	Singuaroli, Marco Nalin, Irene Del Chicca, Cosimo Puttilli, Silvestro Micera
PO-09	Indya Ceroni	Modular organization of 3D reaching movement with and without the assistance of an upper-limb exoskeleton	Indya Ceroni, Florencia Garro, Marianna Semprini
PO-10	Vasco Fanti	Specific vs generic industrial exoskeleton: comparison on muscle activity reduction - A pilot study	Vasco Fanti , Darwin G. Caldwell, and Christian Di Natali
PO-11	Carolina Gaspar Pinto Ra	Body-machine interface for continuous control using trunk sEMG and motion	Carolina Correia, Silvestro Micera, Sara Moccia

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#	Submitter Name	Title	Authors
PO-12	Kacie Hanna	Osseointegrated prosthetic reduces pain and improves control in the lower-limb amputee: a case study	Kacie Hanna, Brock Lindsey, Sergiy Yakovenko
PO-13	Diana Sofía Herrera Vale	How to analyze tailored wearable robotics for gait rehabilitation combined with electrical estimulation	Diana Herrera-Valenzuela, Laura Blanco, Lucía García-González
PO-14	Alyssa Jones	Comparison of two high-intensity gait training interventions on contraversive pushing behaviors in individuals poststroke	Jones, Alyssa A.; Enzler, Katherine D.; Macaluso, Rebecca.; Jayaraman, Arun
PO-15	Wendy Shui Kan Lam	The Relationship between EMG-driven Joint Torque and Kinematics Deficits for Gait in Cerebral Palsy	Shui Kan Lam, Harri Piitulainen, Juha-Pekka Kulmala, Ivan Vujaklija
PO-16	Chiara Lambranzi	Effect of a Lower Limb Soft Exoskeleton on Muscular Fatigue	Christian Di Natali, Darwin Caldwell, Elena De Momi, Jesùs Ortiz
PO-17	Jackson Levine	Coordinated activity of motor units in the triceps surae and tibialis anterior in chronic stroke	Jackson T. Levine, Rebecca Schwanemann, Jose L. Pons
PO-18	Clement Lhoste	Machine-Learning based intuitive control of lower-limb assistive exoskeletons	Clément Lhoste, Yue Wen, José Pons
PO-19	Filippo Maceratesi	Gait Prediction of Subjects with Spinal Cord Injury Using Optimal Control Techniques and Personalised Musculoskeletal Models	Maceratesi Filippo , Febrer-Nafría Míriam , Font-Llagunes Josep Maria
PO-20	Giuseppe Milazzo	Preliminary Results on the Control of a novel Variable Stiffness 3 DoF Wrist	Giuseppe Milazzo, Manuel Giuseppe Catalano, Antonio Bicchi, Giorgio Grioli
PO-21	Melissa Monti	A neuro-computational model informs a Highly Multisensory rehabilitation strategy for treating early perceptual deficits in Autism	Melissa Monti, Sophie Molholm, Cristiano Cuppini

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#	Submitter Name	Title	Authors
PO-22	Tommaso Mori	Tactile Events Detection and Discrimination in a Multiarticulated Robotic Hand Prosthesis	Tommaso Mori, Daniele D'Accolti, Christian Cipriani
PO-23	John Peiffer	Neural Network-based Sensor Fusion for Deployable Kinematic Tracking	J.D. Peiffer and R. James Cotton
PO-24	Nicholas Pett	Application of Bayesian Gait-State Estimation Methods for a Lower-Limb Prosthesis	Nicholas J. Pett, Roberto Leo Medrano, Nundini Rawal, Elliott J. Rouse
PO-25	Riley Pieper	Design and Characterization of a Splittable Motor for Novel Exoskeleton Architecture	Riley Pieper, Elliott Rouse
PO-26	Matthew Short	Effect of haptic coupling on ankle motor learning and task performance	Matthew Short , Sangjoon Kim, Yue Wen , Daniel Ludvig , Emek Barış Küçüktabak, José Pons
PO-27	Theophil Spiegeler Casta	Exploring Tactile Information for Dexterous Manipulation	Matos, Patricia Capsi-Morales,
PO-28	Matej Tomc	Biomimetic Design of a Treadmill Actuated Exoskeleton	Matej Tomc and Zlatko Matjačić
PO-29	Erika Triviño	CTAG – Approaches to evaluate exoskeletons performance	Erika Triviño
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