

9th Aalborg Symposium on the Advances in Neurophysiology and Neural Rehabilitation Engineering - ANRES2018

22 & 23 November 2018

<i>Date</i>	<i>Time</i>	<i>Speaker</i>	<i>Title</i>
Thursday 22 November 2018	08.50-09.00	Winnie Jensen & Ole Kæseler Andersen	Welcome
	THEME: Sensory-Motor Disorders		
	09.00-09.45	Patricia Davies, Colorado States University, USA	Neurophysiological measures of sensory and cognitive functions in typical children and children with sensory processing disorders
	09.45-10.00	Sabata Gervasio, Aalborg University	Differentiating sensory processing disorder, autism spectrum disorder and attention deficit hyperactivity disorder
	10.00-10.15	Coffee	
	10.15-11.00	Yuri Ivanenko, Foundation Santa Lucia, Italy	Spinal locomotor output in children with cerebral palsy
	11.00-11.30	Jens Bo Nielsen, University of Copenhagen, Denmark	Development of gait in typically developed children and children with cerebral palsy
	11.30-12.00	Discussion session	
	12.00-13.00	Lunch	
	THEME: Pain and Neuroplasticity		
	13.00-13.45	Stephen G Woodhams, University of Nottingham, England	The role of spinal neuroplasticity in the development and resolution of pain states
	13.45-14.30	Emanuel Van den Broeke, Université Catholique de Louvain, Belgium	Central sensitization: Can we measure it in humans?
	14.30-15.15	Lone Nikolajsen, Aarhus University, Denmark	Phantom pain
	15.15-15.45	Discussion session	
Friday 23 November 2018	THEME: Novel Technologies to Induce Neuroplasticity: Use of Robotics in Neurorehabilitation		
	09.00-09.45	Jose Pons, Cajal Institute Spanish National Research Council (CSIC), Spain	Wearable robotics and neuroprosthetics in neurorehabilitation
	09.45-10.00	Natalie Mrachacz-Kersting, Aalborg University	Brain-computer interfacing for upper limb exoskeletons in ALS patients
	10.00-10.15	Coffee	
	10.15-11.00	Vittorio Sanguineti, University of Genoa, Italy	Robot-assisted exercise: computational neuro-rehabilitation for personalization of treatment
	11.00-11.15	Erika Spaich, Aalborg University	Feasibility of using Lokomat combined with functional electrical stimulation for rehabilitating foot drop
	11.15-11.30	Lotte Struijk, Aalborg University	Tongue control of robotics for individuals with severe disabilities
	11.30-12.00	Discussion session	
	12.00-13.00	Lunch	
	THEME: Stroke and Neuroplasticity		
	13.00-13.45	Numa Dancause, University of Montreal, Canada	"Knowledge is power": Toward neuromodulatory protocols that target explicitly defined plasticity after stroke
	13.45-14.00	Thomas Nørgaard Nielsen, Aalborg University	Translational animal model of stroke
	14.00-14.30	Discussion session	