

Scientific program of the 8th International Posture Symposium	
Sunday - September 9, 2018	
10:00	Refreshment point: Institute of Normal and Pathological Physiology CEM, Sienkiewiczova 1, Bratislava
14:30	Shuttle bus to Smolenice (meeting point: Fajnorovo nábrežie)
15:30 - 16.30	Registration
17:00	Opening address: director of Centre of Experimental Medicine - O. Pecháčková
17:15	Keynote lecture: Jeka J. (USA) - Temporally coordinated mechanisms of balance control during walking
19:00	Welcome reception
Monday - September 10, 2018	
7:30- 8:30	Breakfast
Posture Control Mechanisms and Gait	
Session 1 Chairmen: Schieppati, Honeine	
8:30 - 9:10	Schieppati M. (Luxembourg) - Curved walking: how to cope with the equilibrium constraints?
9:10 - 9:25	Penati R. (Italy) - Overground and treadmill walking differently affect cognitive performance
9:25 - 9:40	Honeine J.L. (France) - Kinematics of gait termination and gait initiation during street crossing
9:40 - 9:55	Reimann H. (USA) - Coordination of multiple mechanisms for balance control during walking into one functional response
9:55 - 10:40	Coffee break
Sensory Integration	
Session 2 Chairmen: Hollands, Reynolds	
10:40 - 11:20	Hollands M.A. (UK) - Why do we look where we are going? The roles of eye movements in the control of locomotion
11:20 - 11:35	Thomas N.M. (UK) - Visually fixating or tracking another person decreases balance control in young and older females walking in a real-world scenario
11:35 - 11:50	Akcay E. (Turkey) - Visual effects on human responses to support surface translation - optic flow makes major contribution
11:50 - 12:05	Reynolds R.F. (UK) - Augmenting balance with tactile robotic feedback
12:05 - 12:20	Assländer L. (Germany) - Sensory integration of light touch cues in human standing balance
12:20 - 14:00	Lunch
Session 3 Chairmen: Peterka, Mergner	
14:00 - 14:40	Peterka R.J. (USA) - Measuring and understanding factors contributing to normal and abnormal control of body orientation during stance and gait
14:40 - 14:55	Mergner T. (Germany) - Human responses to support surface translation - body-foot proprioception can replace body-space vestibular input
14:55 - 15:10	Thompson L.A. (USA) - Sensorimotor integration in primates with vestibular dysfunction & applicability to human postural control
15:10 - 15:25	Mackenzie S.W. (UK) - Ocular torsion responses to electrical vestibular stimulation in vestibular schwannoma
15:25 - 16:30	Coffee break + POSTERS 1
Session 4 Chairmen: Day, Oates	
16:30- 17:10	Day B.L. (UK) - The throw-and-catch hypothesis of human stepping: dealing with variability
17:10 - 17:25	Oates A. (Canada) - Adding haptic input during walking in someone with an incomplete spinal cord injury
17:25 - 17:40	Sayenko D.G. (USA) - Non-invasive electrical spinal neuromodulation enables independent standing after paralysis
17:40 - 17:55	Andreeva A. (Russia) - Leg and core muscles activity after local and global exercises during stance
19:00	Barbecue + Folk music
Tuesday - September 11, 2018	
7:30- 8:30	Breakfast
Parkinson's disease and Ageing	
Session 5 Chairmen: Horak, Latash	
8:30 - 9:10	Horak F.B. (USA) - Are postural responses and anticipatory postural adjustments mediated by different neural networks?
9:10 - 9:25	Latash M. (USA) - Synergic control of posture: impaired stability and agility in Parkinson's disease
9:25 - 9:40	Schlenstedt C. (Germany) - Abnormal anticipatory postural adjustments in Parkinson's disease - cause or compensation for freezing of gait?
9:40 - 9:55	Meigal A. (Russia) - Reaction time, body balance and gait characteristics in Parkinson's disease patients across the program of "dry" immersion
9:55 - 10:10	Giardini M. (Italy) - Adaptation to predictable postural perturbations induced by a mobile platform in patients with Parkinson's disease
10:10 - 11:10	Coffee break + POSTERS 2
Session 6 Chairmen: Mancini, Thompson	
11:10 - 11:50	Mancini M. (USA) - Cortical activity to measure automaticity of turning with and without vibrotactile cues
11:50 - 12:05	Corzani M. (Italy) - Biofeedback effects in Parkinson's disease: multiple time-scales analysis
12:05 - 12:20	Thompson L.A. (USA) - Age-related control of posture & gait: exploring assistive methodologies towards improving elderly balance
12:20 - 12:35	Osler C.J. (UK) - Age-dependent effect of mental fatigue on static balance control
12:35 - 14:00	Lunch
15:00	Social activities
19:00	Farewell Dinner
Wednesday - September 12	
7:30- 8:30	Breakfast
Falls, Sports and Others	
Session 7 Chairmen: Chiari, Svoboda	
8:30 - 8:45	Chiari L. (Italy) - Impaired dynamic stability while turning is a key risk factor for falls
8:45 - 9:00	Svoboda Z. (Czech Republic) - Relationship between local dynamic stability and fall occurrence: comparison of prospective and retrospective approach
9:00 - 9:15	Zemková E. (Slovakia) - Discriminatory accuracy of balance tests improves under altered stance support conditions
9:15 - 9:30	Sakanaka T.E. (Brazil) - Individual differences in intrinsic ankle stiffness and the implications for body sway
9:30 - 10:00	Coffee break
10:00 - 10:15	Delafontaine A. (France) - Cervical joint hypomobility simulated by neck braces and cervical orthosis alters gait initiation process
10:15 - 10:30	Wojnicz W. (Poland) - A relationship between muscle activities of dominant lower limb and displacements of COM and COP over stepping
10:30 - 10:45	Kolářová B. (Czech Republic) - Effect of gait imagination on lower limb muscle activity
10:45 - 11:00	Zahálka F. (Czech Republic) - The postural stability changes of elite athletes after ACL injury
11:00 - 11:05	End of symposium
11:15 - 12:30	Lunch
13:00	Shuttle bus to Bratislava