

Monday, SEPT 7, 2015 (15:30 - 16:45)

**POSTER SESSION 1**

- P1** M. Wuehr Walking motion predictability explains phase- and speed-dependent modulations of sensory inputs during locomotion
- P2** S.W. Mackenzie Perception of head motion during locomotion
- P3** J.L. Honeine Gait initiation: the frontal-plane control
- P4** K. Buckova Body weight contribution in gait initiation - crossing an obstacle
- P5** C. Pothrat Dynamic stability of the center of mass and the feet during gait: adults vs. children comparison
- P6** L. Bizovska Dynamic stability assessment during overground and treadmill walking
- P7** K. Boetzel Recording of gait with inertial sensors and inverse kinematics
- P8** M. Chvostekova Identification of an individual by functional analysing of human gait
- P9** P. Reeves Reliability of assessing trunk motor control using position and force tracking and stabilization tasks
- P10** M. Cerny Wooden wobble board innovation
- P11** A. Switonski Dynamic Time Warping in assessment of performed training
- P12** H. Josinski Selection of rehabilitation exercises for the Virtual Physiotherapist system based on inertial sensors
- P13** B. Barbolyas Postural system adaptation to Achilles tendon vibration stimuli: The pilot study
- P14** S. Steinl Functional reach in interpersonal haptic light touch interactions for balance support
- P15** K. Kirilova Functional and lateral reach performance and standing balance during sensory conflict

Tuesday, SEPT 8, 2015 (9:55 - 10:55)

**POSTER SESSION 2**

- P16** A. Liedtke Frozen stiff: Can cooling of the lower limb provide us with further insight into ankle stiffness and quiet standing in man?
- P17** M. Hamrikova Age-related changes of balance during quiet stance in elderly fallers and non-fallers
- P18** M. Kucharik Postural reactions to visual scene movements in elderly patients with instability and dementia
- P19** K. Boetzel Anticipatory postural adjustments: influence of age, stimulus and parkinsonism
- P20** U.M. Fietzek Multi-modal assessment of freezing of gait and postural adjustments in patients with Parkinson's disease
- P21** Z. Kosutzka Postural reactions in Parkinson's disease patients with and without freezing of gait
- P22** D. Drabarek Age-related changes in EMG activity of abdominal muscles observed during measurements of the strength of proximal and distal muscles
- P23** C. McCrum Sensory contributions to standing balance in unilateral vestibulopathy
- P24** R. Melecky Postural disorders diagnostics using the method of Postural Somatooscillography (pSOG)
- P25** E. Kubonova Hip and pelvis stability in patients undergoing total hip arthroplasty
- P26** F. Yadolahi A novel approach enhancing balance performance in a patient with secondary dystonia: A case study
- P27** H. Singliarova Effect of surgical reconstruction of anterior cruciate ligament and consecutive rehabilitation of selected postural stability aspects
- P28** M. Prochazkova Gender-related differences on balance: dancers and general population
- P29** T. Maly Postural stability of elite womens football players
- P30** T. Gryc Postural stability of elite male and female golf players in junior category
- P31** T. Lukac Oculus Rift – an alternative of projection screen for visual stimulation