ISPO 6\textsuperscript{th} Central European Regional Conference
25-26-27 August 2011 Nyíregyháza, Hungary

Programme
**THURSDAY, 25 AUGUST 2011**

19.30 Opening banquet

**FRIDAY, 26 AUGUST 2011**

8.00 – 9.30 Session 1
Upper limb amputation and prosthetics
Chairs: Helena Burger - Dick Plettenburg
U.01. Outcome measure in the process of prosthetic care
   Helena Burger, Slovenia (invited speaker)
U.02. Voluntary closing prostheses
   Dick Plettenburg, The Netherlands
U.03. The first experiences with bionic prosthetic hand
   Helena Burger, Slovenia
U.04. Upper limb prostheses for persons whose stumps are covered with grafts and scars
   Matej Burgar, Slovenia
U.05. Subcutaneous implant supported attachment of exoprostheses for transhumeral amputees
   Andreas Gradischar, Austria
U.06. Comparison of two tests for children following upper limb amputation
   Darinka Brezovar, Slovenia
U.07. Impact of Finger Amputation on Hand Function (poster)
   Zala Kuret, Slovenia

9.30 – 9.45 Coffee break

9.45 – 11.15 Session 2
Lower limb amputation and prosthetics I.
Chairs: Harmen van der Linde – Malte Bellmann
L.I.01. Post-operative management in amputation
   Harmen van der Linde, The Netherlands (invited speaker)
L.I.02. Biomechanical characteristic of the knee joints
   Malte Bellmann, Germany (invited speaker)
L.I.03. Bilateral lower extremity amputees. Success of rehabilitation program
   Romana Petkovšek-Gregorin, Slovenia
L.I.04. Chopart amputation of diabetic neuropathic foot
   Peter Farkas, Hungary
L.I.05. The influence of silicone foot prostheses on gait in subjects after Chopart amputation (poster)
   Dominik Erzar, Slovenia
L.I.06. The professional model of a work psychology protocol adaptable to physical rehabilitation (poster)
   Gabriella Mészáros, Hungary

11.15 – 11.30 Coffee break

11.30 – 13.00 Session 3
Lower limb amputation and prosthetics II.
Chairs: Jan H.B. Geertzen – Peter Farkas
L.II.01. Phantom pain
   Jan H.B. Geertzen, The Netherlands (invited speaker)
L.II.02. Failures of the amputation stump during the rehabilitation
   Peter Farkas, Hungary
L.II.03. Exercise testing as screening measure for ability to walk with prosthesis after transfemoral amputation
   Tatjana Erjavec, Slovenia
L.II.04. Liners vs. Soft Socket Trans Tibial fittings
   Levente Varga, Hungary
L.II.05. Standing balance in unilateral dysvascular amputees
   Agnes Mayer, Hungary
L.II.06. Living a life after bilateral amputation
Judit Magyari, Hungary

L.II.07. Quadrilateral socket design vs. ICS socket design
Levente Varga, Hungary

13.00 – 14.30 Lunch

14.30 – 16.30 Session 4 Orthotics
Chairs: Franz Landauer – Kalman Bolla

O.01. New technology for limb fixation. New opportunities for rehabilitation
Kalman Bolla, Hungary (invited speaker)

O.02. Cerebral Palsy („Time is running”)
Franz Landauer, Austria (invited speaker)

O.03. Functional strength training with postural correction in Cerebral Palsy: a new approach with the Thera Suit method
Zsuzsanna Vekerdy, Hungary

O.04. Application of 3-D ultrasound in fitting of spinal orthosis to the patients with adolescent idiopathic scoliosis
M.S. Wong, Hong Kong

O.05. Pressure distribution measurements to evaluate ankle foot orthosis in asymptomatic adults
Mojtaba Kamyab, Iran

O.06. Comparison of balance performance between modified and conventional Solid Ankle Foot Orthosis in asymptomatic adults
Mojtaba Kamyab, Iran

O.07. Application of prefabricated orthoses in drugstores and specialised shops
Josip Horvat, Slovenia

16.30 – 16.45 Coffee break

16.45 – 18.15 Session 5 Orthotics and footwear

OF.01. Functional anatomy of the foot
Erich Brenner, Austria (invited speaker)

OF.02. Orthotic treatment of spastic patients
Robert Mezo, Hungary (invited speaker)

OF.03. Preliminary Evaluation of a Linear Hydraulic Angular-Velocity Control Knee Ankle-Foot Orthosis
Edward Lemaire, Canada

OF.04. Arthrodesis of the ankle and treatment with AFO in severe diabetic Charcot deformity or instability
Peter Farkas, Hungary

OF.05. Outcome measurements for orthotic Interventions for the charcot foot patient
Hale Steven Peterborough, Canada

OF.06. Chrisofix splinting in the rehabilitation of CMC and I. MCP osteoarthritic joints
Gabor Ormos, Hungary

OF.07. What is the optimal design of a rocker shoe?
Jonathan Chapman, UK

OF.08. A 3D foot scanner with integrated plantar pressure measurement
Montiel Enrique Elda, Spain

OF.09. Using body-worn sensors to measure activity patterns in diabetic individuals (poster)
Jonathan Chapman, UK

20.00 Gala Dinner

27 AUGUST, 2011 SATURDAY

8.30 – 9.00 Work-shop
9.00 – 10.30 Session 6
High-tech technologies and robotics in rehabilitation
Chairs: Crt Marincek – Gabor Fazekas

H.01. High-tech assistive technologies for users with severe motor disabilities
Crt Marincek, Slovenia (invited speaker)
H.02. Robotic devices for supporting rehabilitation
Gabor Fazekas, Hungary (invited speaker)
H.03. Robots for upper limb rehabilitation: solutions for human-machine connection
Orsolya Péter, Hungary
H.04. User requirements for home-care robots
Katalin Zsiga, Hungary
H.05. Biomechatronic design of hip and ankle modules of a wearable robot assisting gait at the elderly
András Tóth, Hungary
H.06. A small, easy to use, portable motion analysis system, for supporting orthopaedic decisions
Montiel Enrique Elda, Spain
H.07. A new non contact position sensor to track marks hidden by the shoe
Montiel Enrique Elda, Spain

10.30 – 10.45 Coffee break

10.45 – 12.15 Session 7
Orthotics in neurorehabilitation
Chair: Dirk van Kuppevelt – Laszlo Schwirtlich

ON.01. Restoration of walking after CNS (central nervous system) laesion
Laslo Schwirtlich, Serbia (invited speaker)
ON.02. Use of the Locomat (walking robot) in SCI (spinal cord injured) persons (invited speaker)
Dirk van Kuppevelt, The Netherlands
ON.03. A pilot study on the effect of ankle-foot orthoses on the vertical displacement of the centre of mass in patients with stroke hemiplegia
Leung Aaron K.L., Hong Kong

12.15 – 13.45 Lunch

13.45 – 15.00 Session 8
Education on P&O and rehabilitation (round table)
Chair: Mehmed Latifagic – Lajos Kullmann

E.01. The vital importance of clinical education and recognition of competency in today’s world of P&O
Wm. C. Neumann, Germany (symposia)
E.02. E-learning methodology in P&O. Distance learning education
Mehmed Latifagic, Bosnia (Invited speaker)
E.03. Opinion of certified prosthetists and orthotists on the International Classification of Functioning, Disability and Health (ICF)
Maja Mlakar, Slovenia
E.04. Education in Hungary
Lajos Kullmann, Hungary
E.05. Education of P&O’s in Hungary
Lajos Agoston, Hungary
E.06. Education of P&O and rehabilitation in Slovenia
Crt Marincek, Slovenia
E.07. Physical and Rehabilitation Medicine in Slovakia. Current situation and perspectives
Peter Takacs, Slovakia

15.00 – 15.15 Closure