

***ISPO 6<sup>TH</sup> 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**

Chairs: Edward Lemaire – Robert Mezo

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**

W.01.Negative Pressure Socket System 0049  
Stephen Rinko, USA

**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

ON.04. Wearable motion measurement sensors for assessment of reach and grasp function post-stroke in five activities of daily living

László Gelányi, Hungary

ON.05. Prefabricated ankle orthoses for prevention of foot drop  
Tjaša Lahovic, Slovenia

ON.06. Clinical objective gait analysis of a stroke patient using an AFO and KAFO  
Hale Steven Peterborough, Canada

**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**