DRAFT PROGRAMME
0815 hrs  **WELCOME - DAVID GOW**

**Session 1:**

0830hrs  **Effects of adding vibrotactile feedback to a myoelectric controlled hand on performance and visual attention with a disruption of visual feedback**  
_Eitan Raveh, Dept. of Occupational Therapy, Tel Aviv University, Israel_

0845 hrs  **Myoelectric prosthesis following total thumb amputation**  
_V G van Heijningen, Rijndam Rehabilitation Institute, Erasmus Medical Center, Rotterdam, The Netherlands_

0900 hrs  **Impact of Bilateral Upper Limb Prosthesis Simulators in Pre-Prosthetic Training: a Case Study**  
_Debra Latour, TRS Prosthetics, Boulder, CO, USA_

0915 hrs  **The use of 3D CADCAM system in the design and manufacture of forequarter prosthesis**  
_M Currie & L Powell, AR Clinic9, Addenbrookes Hospital, Cambridge, UK_

0930 hrs  **The impact of Partial Hand Amputation - a Case Presentation**  
_Lindsey Barker, Harold Wood Long Term Conditions Centre, Essex, UK_

0940 hrs  **Complex Case Study: The usefulness of a myoelectric prosthesis to aid the transition from childhood to teenage years**  
_J Herriott, National Rehabilitation Hospital, Dublin, Ireland_

0950 hrs  **Myoelectric arm prosthesis approach in children at the Japan Hyogo Rehabilitation Center**  
_Yaeko Shibata, Hyogo Rehabilitation Center, Kobe, Japan_

1000 hrs  **Refreshments/Exhibitor Showcase**

**Session 2:**

1030 hrs  **Latest developments in the use of Osseointegrated upper limb prostheses**  
_Rickard Branemark, Director of Centre of Orthopaedic Osseointegration, Salengrenask Hospital, Goteborg, Sweden_

1130 hrs  **The PP-Arm: the implementation of a national Prosthesis Prescription Protocol**  
_P A Wijdenes, Dept. of Rehabilitation Medicine, University Medical Center, Groningen, The Netherlands_

1145 hrs  **Forming an international consortium for sharing resources of upper limb absence worldwide - the handsmart group**  
_Liselotte N Hermansson, Dept. of Prosthetics & Orthotics, Orebro University Hospital, Orebro, Sweden_

1200 hrs  **Lunch/Exhibitor Showcase**

**Session 3:**

1300 hrs  **Developing a test to determine quality of proportional control over a myoelectric prosthetic hand**  
_Anniek Heerschop, Centre for Human Movement Sciences, University of Groningen, The Netherlands_

1315 hrs  **Evolution of Refined Clothespin Relocation Test for Prosthesis Users for use as a Clinical Assessment**  
_Ali Hussaini, Institute of Biomedical Engineering, University of New Brunswick, Canada_

1330 hrs  **An Exploration of the correlation between an amended Box and Blocks Assessment, the standard Box and Blocks Assessment and the Assessment of Capacity of Myoelectric Control, with myoelectric prosthesis users**  
_Melissa Jacobs, Queen Mary’s Hospital, London, UK_

1340 hrs  **Development and reliability testing of a qualitative score for rating compensatory movements in upper limb prosthesis wearers during execution of 4 FCE-tests**  
_T M J van der Laan, University Medical Centre Groningen, The Netherlands_

1350 hrs  **Development of a functional capacity evaluation measurement for individuals with upper limb reduction deficiency or amputation**  
_C K van der Sluis, University Medical Centre Groningen, The Netherlands_
1405 hrs  A reflective case study of a quadrilateral amputee, over a 16 year period: exploring coping with the challenges of activities of daily living, prosthetic interventions and adjusting to the psychological impact of such a severe level of limb loss
Charlie Hurd, West Midlands Rehabilitation Centre, Birmingham, UK

1420 hrs  A protocol to establish the relative importance of factors influencing ease of myoelectric prosthesis control
Alix Chadwell, University of Salford, Salford, UK

1435 hrs  Choosing a multi-functional hand that suits the patient’s requirements
Judy Davidson, Eastern Sydney Occupational Therapy, Sydney, Australia

1445 hrs  POSTER PRESENTATIONS

1500 hrs  Refreshments/Poster Exhibition/Exhibitor Showcase

1530 hrs  3D printed upper limb prosthetics are not backed by clinical evidence
Laura E Diment, Institute of Biomedical Engineering, University of Oxford, UK

1545 hrs  Utilising 3D printing techniques when providing unique assistive devices: a Case Study
Sarah Day, National Centre for Prosthetics & Orthotics, University of Strathclyde, Glasgow, UK

1600 hrs  Application of Finch, a 3D printed prosthetic hand, to a patient with bilateral upper-limb deficiency
Satoko Moguchi, The University of Tokyo Hospital, Tokyo, Japan

1610 hrs  MANUFACTURERS’ WORKSHOPS
Touch Bionics; Steeper; Ottobock; TRS/Fillauer

1740 hrs  DAY END

1900 hrs  Welcome Reception & Buffet
Thursday 29 September 2016  
TIPS2016

Session 1:
0830 hrs  Advances in prosthesis control - gesture control
Alison Goodwin, Touch Bionics, Livingston, UK

0845 hrs  Structured training for advanced prosthesis control
Sebastian Amsuss, Ottobock Healthcare Products GmbH, Vienna, Austria

0900 hrs  Upper limb osseointegration, prosthetic technology
Stew Jonsson, TeamOlmed, Kungsbacka, Sweden

0915 hrs  Clinical Pattern Recognition in the US: Experiences and Demographics
Blair A Lock, Coapt LLC, Chicago, IL, USA

0930 hrs  Clinical experience of developing bespoke cycling prostheses
Brian Bradbury & Paul Richardson, PACE Rehabilitation, Cheadle, UK

0945 hrs  Evolution of an Aesthetic Heavy-Duty Electric Terminal Device
Harold H Sears, Motion Control div. of Fillauer, Utah, USA

1000 hrs  Refreshments/Exhibitor Showcase

Session 2:
1030 hrs  Phantom Pain Revisited
Tamar Makin, Associate Professor, FMRIB Centre, Nuffield Department of Clinical Neuroscience, University of Oxford, UK

1130 hrs  Investigations of the uncanny valley for prosthetic hands
Ellen Poliakoff, University of Manchester, Manchester, UK

1145 hrs  Exploring everyday materials and prosthetic hands
Graham Pullin, DJCAD, University of Dundee, Dundee, UK

1200 hrs  Lunch/Exhibitor Showcase

Session 3:
1300 hrs  CASE STUDIES

1400 hrs  Osseointegrated Prostheses for Transhumeral Amputees: Long-term follow up of patients using Patient-rated Outcome Measures
Kerstin Caine-Winterberger, Sahlgrenska University Hospital, Gothenburg, Sweden

1415 hrs  Decreasing phantom limb pain by virtual reality - a Case Presentation
Z Pihlar, University Rehabilitation Institute, Ljubljana, Slovenia

1430 hrs  Cutaneous Anchor Technology and Creative Solutions to Complex Problems
Debra Latour, Single-Handed Solutions LLC, Springfield, MA, USA

1445 hrs  POSTER PRESENTATIONS

1500 hrs  Refreshments/Poster Exhibition/Exhibitor Showcase

Session 4:
1530 hrs  Factors influencing use and satisfaction with upper limb prosthesis
H Burger, University Rehabilitation Institute, Ljubljana, Slovenia

1545 hrs  Use of myoelectric prostheses and participation in everyday activities - environmental factors impact on assistive technology use
Cathrine Widehammar, Dept. of Pediatrics, Orebro University Hospital, Orebro, Sweden

1600 hrs  The relationship between prosthetic control, wearing patterns and daily prosthesis use
Liselotte N Hermansson, Dept. of Prosthetics & Orthotics, Orebro University, Orebro, Sweden
1615 hrs  Symptom severity and prosthesis use: exploring the pain experience using the Disabilities of the Arm Shoulder and Hand (DASH)
Lewis Mackay, Touch Bionics, Livingston, UK

1630 hrs  The influence of environment: experiences of users of myoelectric arm prosthesis: a Qualitative Study
Cathrine Widehammar, Dept. of Pediatrics, Orebro University Hospital, Orebro, Sweden

1645 hrs  Web-based innovative care using Gemstracker AADA, introducing remote follow up (monitoring) of function
LM Melis-Schrijver, Rijndam Rehabilitation Institute, Erasmus Medical Center, Rotterdam, The Netherlands

1700 hrs  Comparison of prosthetic terminal device grip force adjustability between myoelectric control and Bowden cable control
Kengo Ohnishi, Tokyo Denki University, Tokyo, Japan

1715 hrs  Scottish Specialist Prosthetics Service: Advances in our understanding with fitting, training, providing and maintaining multi-articulating upper limb prosthetics for our patients
Brian Garrett & Anne Sillitoe, SMART Centre, Edinburgh, UK

1725 hrs  Report of survey on situation and the use of unilateral TR myoelectric hand in Japan: Comparison between continuous user and suspended to use groups
Jumpei Oba, Dept. of Occupational Therapy, Kobe Gakuin University, Kobe, Japan

1735 hrs  DAY END

1900 hrs  TIPS DINNER
Friday 30 September 2016

Session 1:

0825 hrs WELCOME - PROFESSOR SAEED ZAHEDEI

0830 hrs Textile Electrodes for Acquisition of Myoelectric Signals
Shannon Brown, Chalmers University of Technology, Goteborg, Sweden

0845 hrs Digital Controller for Artificial Limbs fed by Neuromuscular Interfaces via Osseointegration
Enzo Mastinu, Chalmers University of Technology, Goteborg, Sweden

0900 hrs Impact of Upper Limb VC-VO Prosthesis Simulators in Prosthetic Rehabilitation
Debra Latour, TRS Prosthetics, Boulder, CO, USA

0915 hrs A preliminary study on characterisation of finger interface kinetics using a pressure and shear sensor system
Nicholas Hale, University of Southampton, Southampton, UK

0930 hrs An audit on paediatric upper limb prescriptions at Cardiff’s prosthetic centre over a period of 18 months, when 3D printing services were available
Sarah Day, National Centre for Prosthetics & Orthotics, University of Strathclyde, Glasgow, UK

0945 hrs Validation of AnyBody™ model kinematics for characterising prosthesis functional usage: a comparison with Vicon® Plug-in-Gait model
Vikranth H Nagaraja, Institute of Biomedical Engineering, University of Oxford, UK

1000 hrs Refreshments/Exhibitor Showcase

Session 2:

1030 hrs Serious Gaming in learning to use a prosthetic device
Raoul Bongers, Assistant Professor, Centre for Human Movement Sciences, University Medical Centre, Groningen, The Netherlands

1115 hrs Patient’s perceptions of upper limb prosthetics and how virtual reality may be used in clinical practice
Carol Garcia, Senior Physiotherapy Lecturer and Team Leader Physiotherapist, Faculty of Health & Wellbeing, Sheffield Hallam University, Sheffield, UK

1200 hrs Lunch/Exhibitor Showcase

Session 3:

1300 hrs Simulated gripping of an object with a real-time musculoskeletal model of the hand: application to prosthesis control
Edward K Chadwick, Guy Hilton Research Centre, Keele University, Stoke-on-Trent, UK

1315 hrs A multimodal immersive haptic virtual reality system for the rehabilitation of phantom limb pain in upper limb amputees
Peter Snow, Royal National Orthopaedic Hospital, Stanmore, UK

1330 hrs MANUFACTURERS’ PANEL DISCUSSION
Harold Sears, Motion Control
Hans Dietle, Ottobock Healthcare plc
Bob Radocy, TRS
Ian Stevens, Touch Bionics
Blair Lock, Coapt

1500 hrs CLOSE - TIPS 2016

1500 hrs Refreshments/Exhibitor Showcase

Session 4:
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| 1530 hrs | **Assessing Variability in Lower Limb Prosthetic Socket Fabrication**  
  *A S Dickinson, Faculty of Engineering and the Environment, University of Southampton, UK* |
| 1542 hrs | **Comparison of subjects using purely mechanical hip disarticulation/hemipelvectomy limbs to those using hydraulic and microprocessor limbs**  
  *Elena Harris, WESTMARC, Queen Elizabeth University Hospital, Glasgow, UK* |
| 1630 hrs | **Equipping Therapists to rehabilitate amputees post sudden onset natural disaster – BACPAR’s Collaboration with Handicap International UK**  
  *M J Cole, School of Rehabilitation Sciences, St George’s, University of London, London, UK* |
| 1642 hrs | **George Murdoch Prize Lecture**  
  *Introduced by Professor Rajiv Hanspal, President, ISPO* |
| 1715 hrs | **ISPO UK MS ANNUAL GENERAL MEETING**                                                      |
| 1745 hrs | **DAY END**                                                                               |
| 1900 hrs | **ISPO DINNER**                                                                           |
Chair: Peter Kyberd

0830 hrs  Title to be confirmed
Invited Speaker: Norbert Kang

0900 hrs  Outcomes and Challenges of fitting microprocessor controlled knees: a 6-month review
Laura Brady, WestMARC, Queen Elizabeth University Hospital, Glasgow, UK

0912 hrs  Clinical evaluation of a measurement system for loading at the lower limb stump/socket interface
Michael McGrath, Faculty of Engineering and the Environment, University of Southampton, UK

0924 hrs  The 3-layer silicone socket design for lower limb amputees
Ian Talbot & Lynzy Holding, Aintree University Hospital, Liverpool, UK

0936 hrs  Towards a computationally efficient model of transtibial socket fitting
J W Steer, Faculty of Engineering and the Environment, University of Southampton, UK

0948 hrs  Assessment of socket interface kinematics and kinetics based on a trans-femoral amputee case study
Jinghua Tang, Faculty of Engineering and the Environment, University of Southampton, UK

1000 hrs  Refreshments/Exhibitor Showcase

1045 hrs  The Blatchford Lecture: Targeted Muscle Re-ennervation
Guest Speaker: Todd Kuiken

1200 hrs  Lunch/Exhibitor Showcase

1300 hrs  The future funding of advanced prostheses
Imad Sedki, The Royal National Orthopaedic Hospital, Stanmore, UK
John Colvin, WestMARC, NHS Greater Glasgow & Clyde, Glasgow, UK

1330 hrs  Panel Discussion: Interface Technology
Alan Mistlin, Frimley Park Hospital NHS Foundation Trust, UK Ministry of Defence, UK
Imad Sedki, The Royal National Orthopaedic Hospital, Stanmore, UK
John Colvin. WestMARC, NHS Greater Glasgow & Clyde, Glasgow, UK
Carolyn Young, Programme of Care Lead – Trauma, NHS England (Midlands & East), UK

1445 hrs  Prizegiving

1500 hrs  CONFERENCE CLOSE
Saturday 1 October 2016

ISPO2016 - ORTHOTICS STREAM

Chair: Steve Seccombe

The OETT LECTURE

0915 hrs  Orthotics in a Digital World
Guest Speaker: Chris Drake, Orthotics Experts Ltd., London, UK

1030 hrs  Effectiveness and cost effectiveness of prosthetics and orthotics services/interventions
A Healy, Science Centre, Staffordshire University, Stoke-on Trent, UK

1045 hrs  Use of the Theory of Planned Behaviour to understand beliefs about use of Ankle-Foot Orthoses (AFOs) in people with stroke
Christine McMonagle, NCPO, Dept of Biomedical Engineering, University of Strathclyde, Glasgow, UK

1100 hrs  To be confirmed

1130 hrs  To be confirmed

1200 hrs  Lunch/Exhibitor Showcase

1300 hrs  To be confirmed

1330 hrs  To be confirmed

1445 hrs  Prizegiving

1500 hrs  CONFERENCE CLOSE