## PROGRAMME

### Friday 25 September

All plenary sessions will take place in Maplethorpe Hall.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>0930</td>
<td><strong>Welcome</strong> – L Landham, Chair ISPO UK MS</td>
</tr>
<tr>
<td>0935</td>
<td><strong>Free Paper Session</strong> (4 x 15 min presentations plus 2 x 5 min presentations)</td>
</tr>
<tr>
<td></td>
<td>“The effect of electromagnetic shielding on phantom limb pain: a placebo controlled</td>
</tr>
<tr>
<td></td>
<td>double blind crossover trial”</td>
</tr>
<tr>
<td></td>
<td>Dr K Fisher, Royal National Orthopaedic Hospital, Stanmore</td>
</tr>
<tr>
<td>0950</td>
<td>“Can cognitive assessment predict lower limb prosthetic success?”</td>
</tr>
<tr>
<td></td>
<td>Dr V Kalansooriya, Musgrave Park Hospital, Belfast</td>
</tr>
<tr>
<td>1005</td>
<td>“A Cross Centre Study of Timed ‘Up and Go’ Test Results”</td>
</tr>
<tr>
<td></td>
<td>G Campbell, Musgrave Park Hospital, Belfast</td>
</tr>
<tr>
<td>1020</td>
<td>“Measuring Service Quality in Prosthetics: an evidence base for continual improvement”</td>
</tr>
<tr>
<td></td>
<td>D Hannett, Opcare Ltd, Oxfordshire</td>
</tr>
<tr>
<td>1035</td>
<td>“Van Nes Rotationplasty – a retrospective study of two patients”</td>
</tr>
<tr>
<td></td>
<td>Dr L Graham, Musgrave Park Hospital, Belfast</td>
</tr>
<tr>
<td>1040</td>
<td>“Five minutes can make a difference: a narrative analysis exploring amputees’ experiences</td>
</tr>
<tr>
<td></td>
<td>of support and community reintegration”</td>
</tr>
<tr>
<td></td>
<td>U Pabbineedi, Cheshire</td>
</tr>
<tr>
<td>1045</td>
<td>Exhibition &amp; Refreshments</td>
</tr>
<tr>
<td>1115</td>
<td><strong>Neuroplasticity, pain and the use of prostheses</strong></td>
</tr>
<tr>
<td></td>
<td>Chair - Prof R S Hanspal</td>
</tr>
<tr>
<td></td>
<td>“What neuroplasticity tells us about rehabilitation in prosthetics and orthotics”</td>
</tr>
<tr>
<td></td>
<td>Professor Heidi Johansen Berg, University of Oxford</td>
</tr>
<tr>
<td>1205</td>
<td>“Functional MRI of the brain in amputees: what we have learned so far”</td>
</tr>
<tr>
<td></td>
<td>Associate Professor Tamar Makin, University of Oxford</td>
</tr>
</tbody>
</table>
1255 Discussion/questions
1300 Exhibition & Lunch

**Working with surgical colleagues to improve prosthetic outcomes**
Chair - Prof J Kulkarni

1400 “Limb lengthening to enable prosthetic use”
Mr Martin McNally, Consultant Orthopaedic/reconstructive surgeon, Honorary Senior Lecturer, University of Oxford with Caroline Ward, Deputy Prosthetic Manager, Oxford

1445 “Refashioning stumps – a Plastics’ perspective”
Mr Alex Ramsden, Consultant Plastic Surgeon, Oxford

1530 **Annual General Meeting, Exhibition & Refreshments**

**Evidence based practice in prosthetics and orthotics**
Chair - Dr David Henderson-Slater

1600 “An introduction to Evidence-Based Medicine: what it can do – and what it can’t”
Dr William Herrington MD MRCP (UK) MBBS, Nuffield Department of Population Health, University of Oxford

1645 **Blatchford Lecture (introduced by Dr R S Hanspal)**
“Building an evidence base in prosthetics: the Swedish experience”
Professor Bengt Soderberg, Sweden

1930 **Drinks Reception & Conference dinner in St Hugh’s Dining Room**

---

**Saturday 26 September**

Parallel sessions for prosthetics and orthotics will take place from 0900 – 1230 hrs. A final combined plenary session will be held in Maplethorpe Hall from 1230 hrs – 1415 hrs. Bacon rolls and refreshments will be served in the Foyer during the extended break from 1030 – 1130 hrs.

0900 **Prosthetics Session (Maplethorpe Hall)**
Chair: Michael O’Byrne, Opcare Ltd

**Free Paper Session** (4 x 15 min presentations plus 6 x 5 min presentations)

0905 “Use of gait lab 3D motion capture for dynamic assessment of amputee socket interface biomechanics with validation using TRIPS sensors systems – a case study”
*J Tang, Student, University of Southampton*

0920 “Investigation into the effect of liner choice on interface stresses using a stump/socket simulator”
*Dr M McGrath, Research Fellow, University of Southampton*

0935 “Effects of clinical interventions and everyday activities on dynamic loading at the lower limb stump/socket interface”
*P Laszczak, Student, University of Southampton*

0950 “Quantifying Residual Limb Shape after Transtibial Amputation with a Statistical Shape Model”
*J Steer, Student, University of Southampton*

1005 “Pre-amputation assessments at West Midlands Rehabilitation Centre – 12 months review with patient feedback”
*Dr P Ramamurthy, West Midlands Rehabilitation Centre, Birmingham*
1010 “Appraisal of foot and ankle amputations”
Dr A Tarrall-Jozwiak, Queen Mary’s Hospital, London

1015 “Outcomes following Trans-Femoral Amputation – Review of consecutive Trans-Femoral amputees referred to Regional Amputee Rehabilitation Service”
Dr P Ramamurthy, West Midlands Rehabilitation Centre, Birmingham

1020 “A case study quantifying stump/socket interface stresses of lower-limb amputees”
Dr J Gao, University of Southampton

1025 “Assessing Prosthetic Knee Control Systems: Fluidics vs Electronics”
J Boender, Oxford

1030 “Bariatric amputee: A growing problem?”
S Purcell, Specialised Ability Centre, Manchester

1035 Exhibition & Refreshments

1135 “The Three National Prosthetic Policies for Multifunction Hands, Microprocessor Knees and High Definition Silicon Covers – an update and discussion”
Chair – Dr R S Hanspal

Guest Speaker: Col A Mistlin, Chair CRG

1230 Comfort break/Regroup for Final Plenary Session in Maplethorpe Hall

0900 Orthotics Session (Maplethorpe Seminar Room)
Chair – Steve Seccombe, Chas A Blatchford & Sons Ltd

Free Paper Session

0905 “The use of amCube Footwork Pro pressure plate in the tuning of ground reaction orthosis: a case study”
G Dunn, Leicester Specialist Mobility Centre, Leicester

0920 “Can a partial off-loading Ankle Foot Orthosis improve function and reduce pain following ankle injury?”
P Durkin, Northern General Hospital, Sheffield

0935 “Identification and management of tibialis posterior tendon dysfunction in primary care”
N Gallogly, Royal Berkshire Foundation Trust Hospital, Reading

0950 “Gait correction using Functional Electrical Stimulation”
Guest Speaker: Jon Graham, Clinical Director, PhysioFunction

1035 Exhibition & Refreshments

1135 “The effect of ‘tuning’ in ankle-foot orthoses on the gait parameters of children with cerebral palsy”
Guest Speaker: Dr Nicola Eddison, University of Staffordshire

1230 Comfort break/Regroup for Final Plenary Session in Maplethorpe Hall

1235 Final Plenary Session (Maplethorpe Hall)
Chair – Prof S Zahedi, Vice-Chair ISPO UK MS

OETT Lecture:
“Technical and Scientific Advances in Human Movement Analysis – the role of the technician and that of a clinician”
Professor Nachiappan Chockalingham, University of Staffordshire
“Using Smartphones to Enhance Clinical Decision-making: Can your phone make you smarter?”

*Guest Speaker: Ed Lemaire, Professor of Physical Medicine and Rehabilitation, University of Ottawa, Canada*

1400 Presentation of prizes, conclusion of conference - L Landham, Chair, ISPO UKMS

1415 Light lunch and departures

**POSTER EXHIBITION**

“Evaluation of Therapy Pre-Amputation Consultations at the Royal National Orthopaedic Hospital”
*C Owen, Royal National Orthopaedic Hospital, Stanmore*

“The Use of Socket Comfort Scores as an outcome measure: a multi-centre study”
*P Taylor, Musgrave Park Hospital, Belfast*

“A six month review of outcomes for people undergoing major lower limb amputations from a single centre in South East London. Do different pathways mean difference outcomes?”
*J Georgiou, Guys and St Thomas’ Hospital Amputee Rehabilitation Unit, London*

“An Instrumented Toy for Hemiplegic Cerebral Palsy Children”
*S A Mutalib, Imperial College London*

“A scoring tool to predict functional outcome in lower limb amputees (BLART) – a pilot study”
*H Naylor, Leicester Specialist Mobility Centre, Leicester*

“Stance phase timing difference in patients using hydraulic ankle units”
*R Moore, Luton & Dunstable Hospital, Luton*

“ProTec Insoles Product Review”
*C Bailey, Northern General Hospital, Sheffield*

“Does using the Foot Scanner speed up the delivery of bespoke footwear at Northern General Hospital?”
*C Bailey, Northern General Hospital, Sheffield*

“A qualitative assessment of the effects of the Avalon hydraulic ankle for Multiflex foot users”
*R Moore, Luton & Dunstable Hospital, Luton*