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## **Innovations in Prosthetics and Orthotics** **a patient information day**

*on the occasion of the UN International Day of Persons with Disabilities*

*3 December 2015*

*Holiday Inn, East Kilbride, Glasgow*

*Hosted by*

**mobility Matters**  
a PORT-ER initiative



Prosthetics, Orthotics and Rehabilitation Technology - Education and Research

Registered charity number: 1116594

Company registration number: 5735089 (England)

## Acknowledgements

We are very grateful to all sponsors, exhibitors, speakers, volunteers and delegates for helping us to make this a successful event.

### Special thanks goes to

The National Centre for Prosthetics and Orthotics, University of Strathclyde for their collaboration.

Natalie Gold for administrative support (Sexton's Transport Services)

### Thank you from the PORT-ER Trustees

Stewart Bondi

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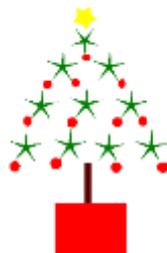
Sandra Sexton (chairperson)

Mel Wade (secretary)

### Ideas tree

In your delegate pack you will find a gift tag and a pen. Please write down an idea for what you would most like to see as an innovation for prosthetics, orthotics or prescribed shoes.

Please hang your gift tag on our ideas Christmas tree





welcomes you to our event

Innovations in Prosthetics and Orthotics - a patient information day

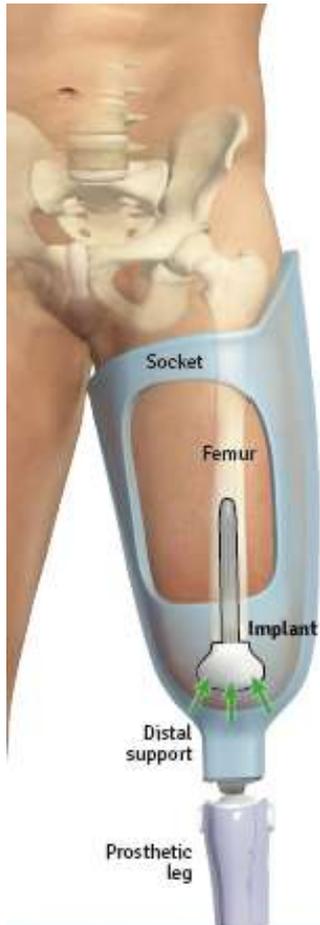
3rd December 2015. Holiday Inn – Glasgow, East Kilbride



The world of Prosthetics and Orthotics is currently bubbling with ideas and innovation as research and developments in products and services make a real difference to life quality for service users. In an effort to share information about what is available and to encourage further innovation, you have been invited to participate in this unique event.

Today brings together service users and their families, service providers, product developers, researchers and support organisations to come together as a networking and information sharing opportunity. Our programme include talks, demonstrations and exhibits. There will be opportunity to view exhibits and for informal discussions over morning coffee and pastries, a sandwich lunch and afternoon tea.

This event is held on the occasion of the United Nations International Day of Persons with Disabilities. The observance of the Day aims to promote an understanding of disability issues and mobilise support for the dignity, rights and well-being of persons with disabilities. It also seeks to increase awareness of gains to be derived from the integration of persons with disabilities in every aspect of political, social, economic and cultural life.



## Keep Walking implant

Femoral implant is placed in the medullary canal of the femur and covered with soft tissue of the stump to create distal support.

### Stem

It is made of grooved titanium with a rough surface for secondary fixation by osteointegration.

### Spacer

Wide and comfortable surface for distal weight bearing.

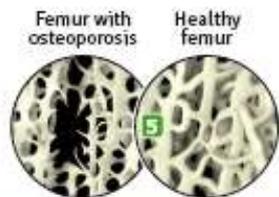
### Plug-Screw

It enables the evolution of the implant into a direct skeletal attached system (under development).



### ✓ Benefits

- 1 **Greater resistance**  
Self-dependence increases.
- 2 **Improved Biomechanics**  
Less support is required.
- 3 **Less socket discomfort**  
Ischium support is reduced. Socket ventilation openings can be incorporated.
- 4 **Greater control of the prosthesis**
- 5 **Improvements in the femur**  
The implant provides distal support in the socket so the femur bears weight again.



We bear your challenges



[www.keepwalkingimplant.com](http://www.keepwalkingimplant.com)

## About PORT-ER

PORT-ER is the charity where mobility matters. Our vision is to bring about better patient care for people with mobility challenges through national and international development. We are a small UK based charity and we raise funds to be able to award small grants depending on our resources in an annual grant round to groups or individuals who need funding for project activities that align with our aims.

Our aims are:

- to encourage safe standards of prosthetic and orthotic care to internationally recognised standards;
- to support the advancement of knowledge in prosthetics and orthotics by sharing information;
- to support innovation in prosthetics and orthotics;
- to provide funding to communities of patients/users to enhance patient/user education.

## Mobility Matters

Mobility is a human right. Prosthetic limbs and orthotic braces are assistive technologies which enable people with physical disabilities to be more mobile. In turn, mobility can help those with limb amputations or dysfunctional limbs to access education, work, activities of daily living, and a social life (including sport).

The mobility needs of people in the UK and the mobility needs of people in developing countries are equally important. We believe that people with physical disabilities have the right to achieve all they can be in the context of their own environment. We provide grant funding so that we can respond to the needs expressed to us via grant applications from prosthetic or orthotic users, other charities or rehabilitation professionals, rather than all our activity being only trustee driven.



## Our Patron

Michael Caines, MBE, is one of Britain's most acclaimed chefs and PORT-ER's patron.

In 1994 Michael took up the position of Head Chef at Gidleigh Park. Gidleigh's restaurant was already rated amongst the most prestigious in the country so the position represented a massive challenge and opportunity for a young and ambitious chef. Yet, only two months into the job, Michael had a terrible car accident in which he lost his right arm. Remarkably, he was back in the kitchen part time within two weeks, and full-time after just four. With the support of the owners and an unwavering belief in his own ability to overcome obstacles, he returned to the kitchen more focused and determined than ever to pursue his dream of reaching the top of his profession. Today Michael is Executive Chef at Gidleigh Park. This prestigious country house hotel is on the edge of Dartmoor, Devon where Michael achieved his 2 Michelin

stars. Michael is also an operational Partner and Director of ABode, a group of boutique hotels located throughout Britain.

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## Programme - Innovations in Prosthetics and Orthotics

10:00 – 10:15	Opening Dr Lisa Cameron, MP for East Kilbride, Strathaven & Lesmahagow
<b>Morning session: Exploring how new technology applications impact on service delivery</b> Chairman Dr Tony McGarry, National Centre for Prosthetics and Orthotics	
10:15 – 11:00	Live demonstration of making a prosthetic socket using direct application materials Ollie Smith, Össur UK Live demonstration of making an orthosis using direct application materials Elaine Figgins, University of Strathclyde
11:00 – 11:30	<b>Coffee and innovations exhibition</b> Coffee and morning pastries sponsored by Dorset Orthopaedic 
11:30 – 11:45	Possibilities arising from computer aided manufacture – 3D printing Prof Jim Woodburn, Glasgow Caledonian University
11:45 – 12:00	User centred children's orthotics – a story of innovation, design and 3D printing Naveed Parvez, Andiamo Project
12:00 – 12:15	Time to fit and time to comfort – a story of prosthetic user generated innovation Alan & Christopher Hutchison, ProFit, UK/Bulgaria
12:15 – 12:30	A shoe invention to treat calf pain caused by poor circulation Dr Stephen Hutchins, University of Salford
12:30 – 12:45	Improving design through user feedback – experiences from Buchanan Orthotics Diana Currie, Buchanan Orthotics
12:45 – 13:45	<b>Lunch and innovations exhibition</b> Lunch sponsored by Rehabskills Ltd 
<b>Afternoon session: Exploring how services meet the needs of the service user</b> Chairman Dr Tony McGarry, National Centre for Prosthetics and Orthotics	
13:45 – 14:00	The use of an iPad to improve a service Karen Duncan, NHS Grampian
14:00 – 14:15	Children and the need for orthotics Elaine Figgins, University of Strathclyde
14:15 – 14:30	Comfort as an indicator of success Prof Rajiv Hanspal, Royal National Orthopaedic Hospital
14:30 – 14:45	New and emerging innovations in service design and delivery Rune Nilsen, Sophies Minde, Norway
14:45 – 15:15	<b>Afternoon tea and innovations exhibition</b> Afternoon tea and biscuits sponsored by ProFit  Christmas raffle draw by PORT-ER
15:15 – 15:30	Service design and delivery in Africa Olivia Giles, 500 miles
15:30 – 15:45	Understanding patients – new research Judy Scopes, Queen Margaret University
15:45 – 15:50	Short film – British-Ukrainian Aid Tetyana Vovnyanko, British-Ukrainian Aid
15:50 – 16:00	The need for new and innovative prosthetic and orthotic services Sandy Sexton, PORT-ER

# DO SOMETHING AMAZING

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## Salcombe Coastal Marathon Saturday 30th April 2016



Billed as a walk as well as a run. PORT-ER would love to see amputees and people with limb impairments taking part, and there is a 14 mile version as well as a full marathon. Entrants must be fit enough for walking the distance with sufficient agility to be stable and safe on coastal footpaths.



Interested? Speak to Stewart Bondi, PORT-ER Trustee today – or email [stewartbondi@sky.com](mailto:stewartbondi@sky.com)

## Exhibitors

	<p style="text-align: center;"><b>Diamond Sponsor</b></p> <p>We deliver consultancy services through the skills and expertise of Sandra Sexton and a network of associates in the field of physical disability rehabilitation. Sandra is a prosthetist/orthotist by background and is ISPO Grant Manager for the U.S. Agency for International Development (USAID) funded program “Rehabilitation of physically disabled people in developing countries”. She is also a consultant with the World Health Organization. <a href="http://www.rehabskills.com">www.rehabskills.com</a></p>
	<p style="text-align: center;"><b>Gold Sponsor</b></p> <p>As one of the world’s leading providers of prosthetic, orthotic, silicone and rehabilitation services, Dorset Orthopaedic has the size, strength and skills to help you live life without limits. With experience meeting the needs of complex cases and recognition as a world leader in silicone skin solutions, Dorset Orthopaedic is passionate about delivering exceptional products and support. <a href="http://www.dorset-ortho.com">www.dorset-ortho.com</a></p>
	<p style="text-align: center;"><b>Silver Sponsor</b></p> <p>ProsFit is driving a paradigm shift in how prosthetic sockets are specified, manufactured and fitted for amputees. Focusing primarily on socket comfort ProsFit’s innovative and proven solution offers a number of advantages over traditional fitting socket fitting methods, including improved “Time to Comfort (T2C)” and “Cost to Comfort (C2C)”. <a href="http://prosfitt.com/">http://prosfitt.com/</a></p>
	<p>Allard Support UK Ltd is a subsidiary company of Camp Scandinavia offering the distribution of orthotic products from their range to the United Kingdom and Ireland. Allard UK is also the sole manufacturer of the Boston Brace scoliosis range of products for the UK, Ireland, Europe, Scandinavia and Eastern countries. <a href="http://www.allarduk.co.uk">www.allarduk.co.uk</a></p>
	<p>Blatchford is a world leading rehabilitation provider with clinical expertise in prosthetics, orthotics, special seating and wheelchairs. We provide clinical services to the NHS &amp; Military in the UK and to private patients both in the UK and internationally. We also design and manufacture the award-winning Endolite range of lower limb prostheses. <a href="http://www.blatchford.co.uk">www.blatchford.co.uk</a></p>
	<p>Limb loss and physical trauma can have a devastating impact and can change people’s lives forever. We support individuals of any age, whether they are about to have an amputation; are living with congenital or acquired limb-loss or have suffered loss of limb function. We offer practical, emotional and financial assistance and information to individuals, carers, family members and friends, helping people find their feet in life again. To find out about the support we offer, or to find out how you can get involved with volunteering or fundraising for us, visit <a href="http://www.findingyourfeet.net">www.findingyourfeet.net</a></p>

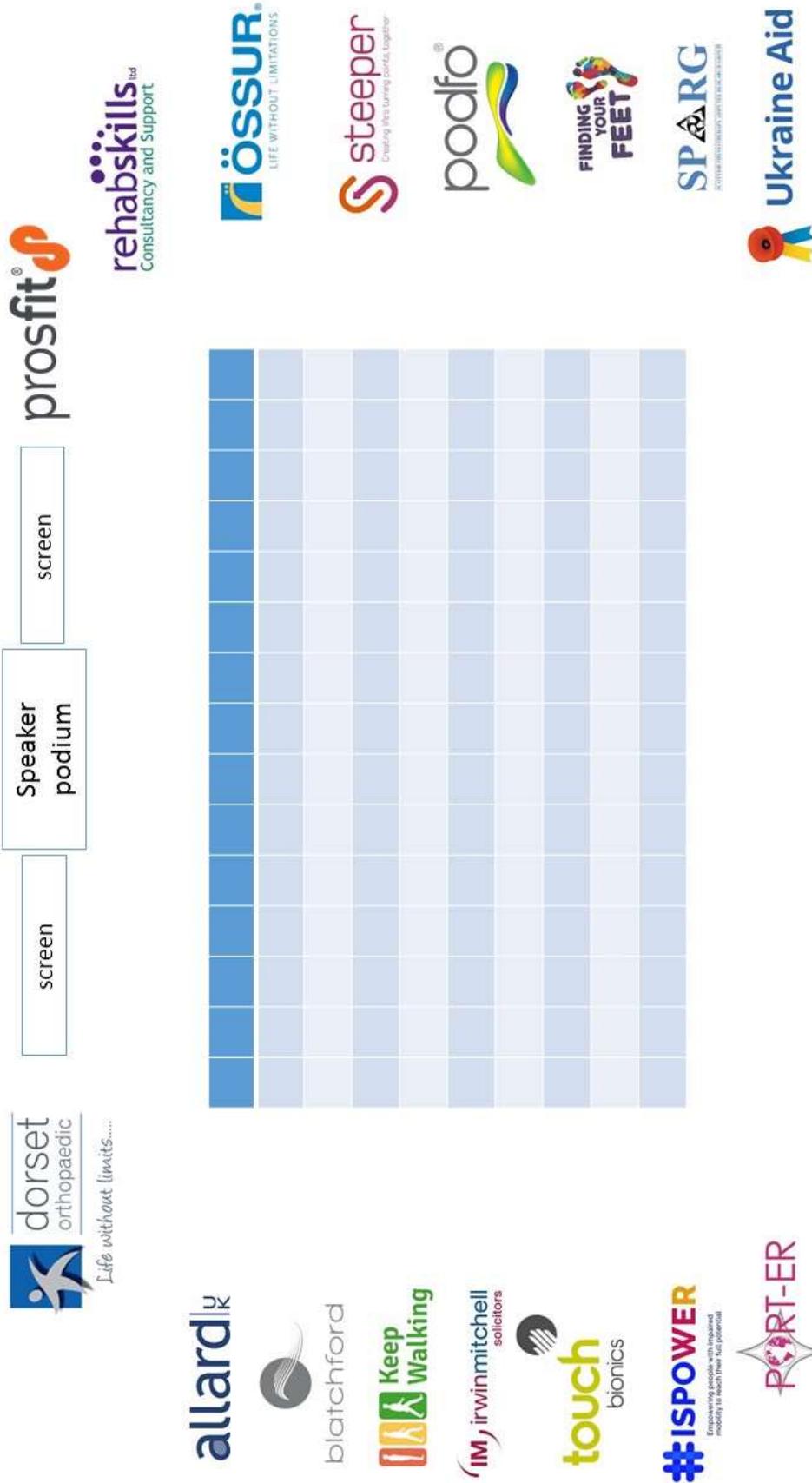
## Exhibitors

	<p>Irwin Mitchell is unlike any other law firm. Nationally acclaimed, with a strong international capability, we offer a broad range of legal services to national and international organisations and institutions, small and medium-sized businesses and private individuals. <a href="http://www.irwinmitchell.com">www.irwinmitchell.com</a></p>
	<p>#ISPOWER is a call to action for improved access to Prosthetics &amp; Orthotics care and assistive health technology to help people with impaired mobility contribute fully to society. <a href="http://www.ispoint.org/ispower">www.ispoint.org/ispower</a></p>
	<p>The Keep Walking Femoral Implant is the solution for patients with a lower extremity amputation at femoral level. Keep Walking helps to improve the ambulation capacity, it augments proprioception and user's comfort while wearing the prosthesis, and reduces problems that all too often are caused by the continuous use of a prosthesis. <a href="http://www.keepwalkingimplant.com">www.keepwalkingimplant.com</a></p>
	<p>Pioneers of advanced technology, our mission is to improve people's mobility. As a global leader in non-invasive orthopaedics, we have nurtured an innovative mind-set, continuously pushing the boundaries to create the best products and services in the fields of Prosthetic, Osteoarthritis and Injury Solutions. <a href="http://www.ossur.co.uk">www.ossur.co.uk</a></p>
	<p>Podfo demonstrates significant innovation in the design of custom insoles at Peacocks Medical Group. Our research, manufacturing and design teams are based in the North East of England where we are well positioned to service the specific needs of individual practitioners and the larger demands of the NHS. Our digital processes provide consistency of quality and design. At the forefront of technology we will be displaying the 3D printed "Ghost" insole which has infinite levels of customisation and precision. Several features, many of which are patented, allow us to maximise the potential of insole design both now and in the future. <a href="http://www.podfo.com">www.podfo.com</a></p>
	<p>PORT-ER is currently raising funds to support:</p> <p><b>A 2 day workshop in Rehabilitation Medicine in Ethiopia</b> organised by the Prosthetics Orthotics Association, Ethiopia.</p> <p><b>Open applications PORT-ER Grant Round 2016</b> Our next grant round opens on Tuesday 5 January 2016 and closes at 5pm GMT on Friday 26 February 2016. We envisage two awards up to £250. <a href="http://www.port-er.com">www.port-er.com</a></p>

## Exhibitors

	<p>The Scottish Physiotherapist Amputee Research Group (SPARG) comprises every senior physiotherapist in Scotland with a clinical responsibility for amputee rehabilitation. SPARG meets as a clinical interest/research group and has developed a unique national database of demographic, rehabilitation milestone and outcome data for all new lower limb amputees in Scotland. SPARG continues to: develop a standardised system of information collection and analysis for amputee patients; evaluate current physiotherapy practice concerning the management of amputees; promote research and guideline development in the field of amputee rehabilitation; and acts as a forum for discussion, debate and education.</p> <p><a href="http://www.knowledge.scot.nhs.uk/sparg.aspx">http://www.knowledge.scot.nhs.uk/sparg.aspx</a></p>
	<p>Steeper. Creating the turning points that enhance lives. For almost 100 years, we have broken boundaries in healthcare to create turning points that enhance lives. A technology and innovation specialist across prosthetics, orthotics and assistive technology. <a href="http://www.steepergroup.com">www.steepergroup.com</a></p>
	<p>Touch Bionics is a provider of world-leading prosthetic technologies and supporting services designed to ensure the best possible outcomes for people with upper limb deficiencies. Our advanced products include myoelectric prosthetic hand and prosthetic finger solutions, as well as highly realistic passive functional prostheses that match the natural appearance of the wearer. <a href="http://www.touchbionics.com">www.touchbionics.com</a></p>
	<p>British-Ukrainian Aid supports people suffering from armed conflict in Ukraine, including the injured and wounded, orphaned children, the elderly and families who have lost their breadwinners. Our aim is to ensure that those who endured dispiriting life-changing experiences are properly prepared, reintegrated and helped to live independent and fulfilled life.</p> <p><a href="http://ukraineaid.co.uk">http://ukraineaid.co.uk</a></p>

# Floor Plan



## Speakers



### 10:00 – 10:15 Opening

**Dr Lisa Cameron** was born and raised in East Kilbride and still lives in South Lanarkshire with her husband Mark and their 2 children. After graduating from Strathclyde University with a degree in Psychology, Lisa went on to gain a Doctorate in Clinical Practice from Glasgow University. Working as an NHS Doctor in Wishaw General, Dykebar and Carstairs, she specialised in supporting clients with mental health and learning difficulties. Lisa has been able to use this experience in the House of Commons and since being elected has commissioned an adjournment debate on mental health provision for our armed forces veterans. She has been an active local representative for the UK's biggest trade union, Unite, for more than 12 years. Lisa has campaigned for workers' rights, pay, and pensions and on issues of discrimination and equality and continues to do this as

a member of the Trade Union Bill Committee at Westminster. Lisa is the Shadow SNP Spokesperson for Climate Justice and sits on the International Development Committee as well as Chairing the All Party Parliamentary Group on Disability. She attended the Sustainable Development Goals Summit in New York as the sole representative from Scotland, where world leaders formally adopted an ambitious new sustainable development agenda. This will serve as a launch pad for action by the international community and by national governments to promote shared international development and well-being. The global goals are vital to eradicate poverty and to work towards equality and social justice.



### 10:15 – 11:00 Making a prosthetic socket using direct application materials

**Ollie Smith** graduated from Salford University in 2005 with a BSc in Prosthetics and Orthotics and joined Stanmore Royal National Orthopaedic Hospital as a Prosthetist. He stayed at Stanmore until 2008 when he joined Össur UK – pioneers of advanced technology, whose mission is to improve people's mobility – as Clinical Specialist of their Prosthetic Team specialising in Bionics. With over 10 years' experience Ollie works closely with hospitals and private clinics across the UK, working to enhance the lives of amputees through the use of innovative products and treatment programmes.



### 10:15 – 11:00 Making an orthosis using direct application materials

### 14:00 – 14:15 Children and the need for orthotics

**Elaine Figgins** Elaine is the Strategic Lead and Director of the National Centre for Prosthetics and Orthotics (NCPO) at the Department of Biomedical Engineering, University of Strathclyde, Glasgow, Scotland UK. She graduated BSc Honours Prosthetics and Orthotics 25 years ago. She started as a lecturer at the National Centre for Prosthetics and Orthotics at the University of Strathclyde in 1991, becoming a Senior lecturer in 1996, and Reader in 2006, and Director in 2010. She was acting Head of Department from January 2010 till Sept 2012.

Current activities include organising and coordinating all the Continuing Professional Development activity across the department of Biomedical Engineering. As well as teaching prosthetics and orthotics she undertakes clinical activity for people with Arthrogyrosis Multiplex Congenita (specifically Knee Ankle Foot Orthotics management and contracture management of Upper and Lower Limbs). Her current research includes the orthotic management of long term conditions in Children, and foot deformities in the foot with Diabetes Mellitus. She is current undertaking a Professional Doctorate in Health and Social Care, considering Multi-Disciplinary Team working.



**11:30 – 11:45 Possibilities arising from computer aided manufacture – 3D printing**

**Professor Jim Woodburn** was trained in podiatry, biomechanics and arthritis in Edinburgh, Leeds and the National Institutes of Health and University of Pennsylvania in the USA. He is a clinician scientist with a major interest in the biomechanics, podiatry and the management of inflammatory and musculoskeletal disorders of the lower limb and foot and ankle. He was appointed Professor of Rehabilitation at Glasgow Caledonian University in 2006. He is currently Associate Dean Research and Director of the Institute for Applied Health Research. He is a past

recipient of two MRC Fellowships and has held a number of Arthritis Research UK fellowship and project grant awards. He was the founding member of the UK Podiatry Rheumatic Care Association and past-president of the British Health Professionals in Rheumatology. He operates an interdisciplinary research group including allied health professionals, biomedical engineers, and health services researchers. Professor Woodburn has a strong interest in innovating the design and manufacture of custom foot orthoses for a range of long-term conditions including clinical trials of clinical and cost-effectiveness. He has been leading on a number of large-scale European Commission funded projects developing additive manufacturing (3D printing) technologies and the integration of technologies to capture shape, computer-aided design and design optimisation at the person-specific level. He coordinated the A-FOOTPRINT project, a €5.2M European Union funded project to develop custom foot and ankle-foot orthoses via additive manufacturing (3D printing) and is the Principal Scientist on D-FOOTPRINT project to improve the design of custom foot orthoses in the management and prevention of foot ulceration in diabetes. He works with SME companies to develop and commercialise 3D printed foot orthotic products and provides a laboratory service to evaluate how such devices work mechanically through to clinical trial of effectiveness in patient groups.



**11:45 – 12:00 User centred children's orthotics – a story of innovation, design and 3D printing**

**Naveed Parvez** has worked almost exclusively in startups both in the public and private sectors. His background in tech, operations, and project management combined with his experience as a parent of a severely disabled child led to the creation of Andiamo. A medical device service startup co-founded with his wife Samiya. Their aim is to reduce wait times for custom orthoses for children with disabilities from 6 months down to 48 hours by using 3D scanning, 3D printing, and their bespoke platform.



**12:00 – 12:15 Time to fit and time to comfort – a story of prosthetic user generated innovation**

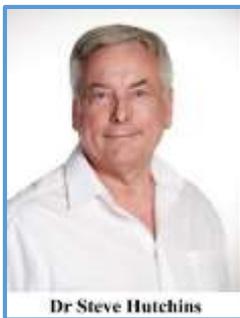
**Alan Hutchison** is a co-founder and CEO of ProsFit. He graduated from Oxford University in 1981 with an engineering degree, and is an experienced business development professional. After five years in engineering and production management in the UK, he moved to Switzerland, gaining an MBA from IMD business school, Lausanne. He then worked for seven years with a major international consulting company, developing business, operations and information technology strategies for multinational companies active in industrial goods, medical and pharma

products, consumer products and financial services. He headed corporate development for an equipment marketing company in Asia, refocusing the business on investors' needs, and set up joint ventures in Singapore and India. He returned to Europe in 1997 and joined the executive team of a global industrial products company that was turned around from losses to profit within 12 months. In 2002 Alan founded ClusterBridge in Switzerland, a consultancy specializing in international business development, supporting clients to define and implement innovative and profitable business models. The Hutchison family relocated to Bulgaria in 2012, where they founded ProsFit as a family business.



**Chris Hutchison** is a co-founder and CTO of ProsFit. Following an accident in 2009 Christopher is a double lower-limb amputee, with direct experience of fitting and wearing prosthetic limbs, valuable in building and commercialising ProsFit's game-changing solutions. Showing early business acumen at just 14 Christopher co-directed and co-produced a show for the Geneva Amateur Operatic Society, with 120 volunteers, the first to turn a profit. He later became editor-in-chief of the school newspaper, and at 15 gained work experience at a private bank. Following his accident Christopher was a junior financial analyst at a private equity advisory firm, and business development analyst for a technology start-up company. He

then spent 2 years as a business development consultant and marketing manager for his father's consulting company before they together founded ProsFit. On sabbatical from his part-time, BSc in Economics & Management with the London School of Economics, Christopher has completed a Harvard Business School affiliated Graduate Certificate at Sofia University in 2013, and the European Framework for Quality Management (EFQM) Basic Assessor Training course in 2014, allowing him to support the building of ProsFit as an international leader in the field of prosthetic sockets.



**12:15 – 12:30 A shoe invention to treat calf pain caused by poor circulation**

**Dr Steve Hutchins** qualified with a Diploma in Orthotics in 1978 and worked as an orthotist for 16 years before joining the University of Salford. He has two research degrees and two post graduate diplomas in prosthetic and orthotic biomechanics. He recently presented at the world ISPO conference in Lyon on the evidence of orthoses in the conservative treatment of medial compartment knee osteoarthritis. His current research interests include lower limb biomechanics linked to footwear interventions. He is an orthotic expert adviser to NICE and was recently a co-author in development of the new NICE guidelines for the treatment of diabetic foot problems. He has over 60 publications in peer reviewed journals. He has a specific interest in the treatment of intermittent claudication using rocker soled footwear to reduce painful calf symptoms.



**12:30- 12:45 Improving design through user feedback – experiences from Buchanan Orthotics**

**Diana Currie** has been Managing Director of Buchanan Orthotics for over ten years. The company has diversified in several directions during the period, and now manufactures Orthotics, footwear, plastics, insoles and fabric supports.

Diana also still continues as an Orthotic Practitioner, where she is keenly involved within Glasgow, fitting patients with Breast Prosthesis and offering advice on Mastectomy Lingerie.

The company employs 70 people, and is based at its manufacturing facility in Govan. They have recently started an Apprenticeship Scheme and took on its first 4 apprentices last year. The company won the Glasgow City council, Jobs and Business, "Best Employer – SME" in 2014. The company is contracted by the NHS to provide the Orthotic clinical service in several Health Boards within Scotland, including NHS Lothian and NHS Fife. The company is the last footwear manufacturer in Scotland, and services both private, commercial and NHS customers with bespoke footwear.

Diana is also involved in the Variety Club, on their fundraising board, aiding the organisation to raise funds within Scotland for Special Needs children. Her other interests outwith work include being a supporter of animal rights and spending time with her rapidly growing family.

**13:45 - 14:00 The use of an iPad to improve a service**

**Karen Duncan**



#### **14:15 – 14:30 Comfort as an indicator of success**

##### **Prof Rajiv Hanspal**

Professor Rajiv Hanspal is a Consultant Physician in Rehabilitation Medicine at the Royal National Orthopaedic Hospital Stanmore, Middlesex, UK. His past clinical appointments include Lecturer in Orthopaedics & Trauma Surgery, Charing Cross & Westminster Medical School and Hospital, London ; Medical & Senior Medical Officer, Disablement Services Authority, Dept of Health UK. Consultant Physician, The Hillingdon Hospital, Uxbridge, Middlesex.

Currently President of the International Society for Prosthetics and Orthotics (International), Professor Hanspal has been a member of several committees, sub-committees and working groups in UK, generally relating to services in Amputee and Prosthetics or Disabilities and Rehabilitation. Annually, he convenes a Course on Amputee and Prosthetic Rehabilitation in the UK. He is past chair of the Clinical Reference Group for Specialist Commissioning, NHS National Commissioning Board.

Professor Hanspal's professional & research Interests include: Amputee and Prosthetics Rehabilitation; Service Developments and Standards. Special Topics: Pain & Phantom Limb, Clinical Standards and Outcomes, Consequences of Amputation, Direct Skeletal Fixation and Congenital Limb Deficiency



#### **14:30 – 14:45 New and emerging innovations in service design and delivery**

##### **Rune Nilsen**

Rune is very focused on quality of fit of prostheses and orthoses and leads a renowned prosthetics and orthotics service. He is Head of the Prosthetics & Orthotics Department at Sophies Minde Ortopedi A/S, Oslo University Hospital, Oslo, Norway. He is also coordinator of the FK Norway (Norwegian Peace Corps) exchange program, an activity with a focus on prosthetics/orthotics staff development with exchange working

experiences between Norway, Cambodia, Tanzania and Malawi.

Rune has extensive experience of working in prosthetics and orthotics not only in Norway, but also in Ethiopia, Cambodia and Somalia. He has delivered around 80 short assignments and missions internationally, engaged in several Board memberships, and is currently President of the Norwegian National Member Society of the International Society for Prosthetics and Orthotics. He initially qualified as a Prosthetist/Orthotist in 1991 graduating from the Department of Health Care Education, Oslo, Norway following earlier training as a civil engineer.

His clinical interest spans both prosthetics and orthotics, reflecting the coordinated approach of services in Norway. In the last couple of years he has been sharing his skills with other professionals through short course provision in topics such as spinal cord injury, ortho-prosthesis for limb shortening and transfemoral prosthetics (knees).



#### **15:15 – 15:30 Service design and delivery in Africa**

##### **Olivia Giles**

Olivia Giles (born 1965) graduated in law from Glasgow University. Until 2002 she was a commercial property partner with Scottish law firm, Maclay Murray & Spens. That year she contracted the blood poisoning form of meningitis as a result of which both of her lower legs and both of her lower arms had to be amputated. After months of rehabilitation she made a full recovery and is fully mobile on prosthetic legs.

Since her illness, Olivia has given talks on a variety of subjects but mainly motivational and about patient centred care in medicine, nursing and the allied health professions. She has been involved in the Scottish Government's policy documents for the future direction of nursing, midwifery and the allied health professions. She is currently serving on the lay advisory committee of the Royal College of Physicians of Edinburgh.

In 2007 Olivia founded the charity, "500 miles" and was awarded an OBE in 2010 for her charitable work.



**15:30 – 15:45 Understanding patients – new research  
Judy Scopes.**

Judy qualified as a Chartered Physiotherapist from Queens College, Glasgow in 1982 and worked in healthcare for over 20 years in England, Scotland and the Republic of Ireland. She has worked in a variety of clinical settings but prosthetic rehabilitation has always been of particular interest.

She was one of the first intake of students to gain a Post-Grad Diploma in Biomechanics from Strathclyde University in 1988. In 1989 she was awarded a two year Research Fellowship from Action

Research to learn about research methodology and conduct a research study of her own. She gained an MPhil degree from Kings College London for her thesis “The effect of footwear mass on the gait symmetry & energy cost of unilateral below knee amputees during level walking”.

During a break from Physiotherapy between 1992 and 2000, she worked in the pharmaceutical industry setting up and managing Clinical Research Trials. This helped hone her research skills but she returned to healthcare in 2000 working in both clinical and managerial roles over the following eleven years.

Following a restructuring of the physiotherapy service in which she worked, she took the opportunity to fulfill a long-held ambition to complete a PhD. She re-entered the academic world and enrolled as a part-time PhD student at Queen Margaret University, Edinburgh in September 2011 and will complete in 2016. The subject of her PhD research is “The psychometric properties of functional outcome measures used with lower limb amputees”. The aim is to evaluate the reliability, validity and responsiveness of the outcome measures currently used by health professionals when measuring an amputee’s physical abilities. This is an important part of measuring both the clinical and cost effectiveness of therapy programmes and prosthetic components.



**15:45 – 15:50 Short film – British-Ukrainian Aid  
Tetyana Vovnyanko**

Tetyana Vovnyanko is a Managing Director of British-Ukrainian Aid (known as Ukraine Aid), a charitable organisation initiated by a group of UK based Ukrainians supporting the victims of the armed conflict and humanitarian crisis in the East of Ukraine. She has been running British-Ukrainian Aid for over a year and co-ordinating various activities including fundraising fairs, photo exhibitions, charitable concerts, panel discussions and purchasing and delivering of medical equipment.

Tetyana has been involved in organising Ukraine-related events in London for a number of years. She has been continuously developing a new platform promoting Ukraine in the UK and facilitating communication and co-operation between Ukrainian and UK organisations. Tetyana graduated from Uman Pedagogical University in Ukraine and continued her studies at Odessa University. She holds PhD in Psychology and has an extensive experience of reading lectures to undergraduates, teaching and providing advice to students in their practical classes. She started her career as a teacher of arts in primary and secondary school in 1997. Along with voluntary activity Tetyana has been working in international sales since 2011 and, as a result, became equipped with skills necessary for setting, monitoring and managing budgets and planning for financial sustainability.



**Katya Belaia**

Katya is a Ukrainian-born paintings conservator and restorer based in London, working for the National Portrait Gallery and running her own studio. Her formal postgraduate training was at the Courtauld Institute of Art from 2007 to 2010. Whilst at the Courtauld, Katya was the first recipient of the National Association of Decorative and Fine Arts Society (NADFAS) scholarship. She is a committee member of the British Association of Paintings Conservator-Restorers (BAPCR).

Katya is a cultural events co-ordinator at British-Ukrainian Aid – a UK charitable organisation which raises awareness of issues of physical and psychological rehabilitation in Ukraine, as well as providing focused humanitarian aid to people affected by the recent conflict in the East of the country.

## Notes

## Notes



**PORT-ER is a small charity run by volunteers. We can be contacted by email or post.**

**Email:**

Mrs Sandra Sexton, Chair of Trustees: [sandy@port-er.com](mailto:sandy@port-er.com)

Mrs Mel Wade, Secretary: [mel@port-er.com](mailto:mel@port-er.com)

**Post to our registered office:**

Mrs Mel Wade, Secretary PORT-ER, 50 Littlemead Lane, Exmouth, Devon. EX8 3BS

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