



ISPO UK MS SPRING BULLETIN



CHAIRMAN'S REPORT - April 2017

The 45th year of ISPO (UK) is proving to be an interesting time for our industry. National and Global uncertainty is the backdrop to a number of complex and interconnected challenges that the P&O field is facing. The need for collective response is obvious. All our endeavours need to align our actions towards the creation of harmonious, affordable and sustainable solutions. Technology may be a key!

Users, being at the centre of any future solutions, have needs which are for their lifetime and are subject to change with both lifestyle and demography, as well as individual conditions. These are seen as ever increasing demands for customisation, accurate prescription, better reliability, flexibility, and the consistent provision of services. Hence the need to share best experiences across the UK!

Economically at global level, humanity has never been healthier, yet with progress, as Henry George indicated, comes poverty. The pressure to reduce resources sometimes impacts on interactions and gives rise to separation in contrast to the need for combining forces for an efficient response to meet the needs. Our first step is to include inclusion of BAPO's key aims into our three year strategy and work towards joint events!

The Government is proposing to reduce funding for university courses in P&O, which will add to a long term shortage of Prosthetists and Orthotists. There is already a shortage of rehabilitation technicians as well as medical consultants to lead the services. These shortfalls are forecast to go beyond the UK shores with similar experiences already reported from Norway to USA. Yet the number of patients is rising!

Taking prosthetics as an example, the WHO state there are 10 million amputees worldwide, with an estimated global Prosthetist workforce of 10,000. Assuming each caters for 300 patients a year, there will be 7 million amputees without conventional cover? The role of the Multi-Disciplinary Team, education and training, standards, sharing best practices, consensus, and innovation has never been as critical as now. We need a solution!

The ISPO World Congress in Cape Town (8-11 May) will be the ideal forum to discuss these challenges in more detail. I hope many of you can share in the discussion and provide input into shaping a new canvas for the future of P&O and the potential newly enhanced role of MDT. The session on Standards will cover not only ISO led work, but also WHO UN work. The Lower limb amputation Consensus will be another interesting session.

Dr Stephen Kirker, Scientific Chair of the 2017 annual meeting, to be held in Cambridge on 8 & 9 September, is currently finalising the programme (a draft follows in this newsletter). This joint O&P meeting will discuss clinical outcome measures, and include presentations covering neuromuscular measurement, and gait movement analysis. The research in virtual rehabilitation cognitive load in O&P, and review of equity of practice's outcome will also be covered.

Another area of development has been children's prosthetic research. NIHR work in establishing requirements is supported. The focus is on growing needs of the child amputee, and mitigating risk of musco-skeletal deformation, stage development with age, users freedom of choice, independence while growing and with change of activities and lifestyle and participation in a variety of sporting activities.

With the introduction of the MPK policy by the Specialised Commissioning Oversight Group, the need for collection of Big Data on the overall outcomes, and creation of an Open Access data bank for future researchers has been explored. ISPO's role in facilitating and coordinating between universities and service providers as well as industry is anticipated to attract more young researchers in O&P.

Finally, with our finances in good stead, ISPO UK has been able to offer several membership bursaries and travel bursaries. I encourage you to apply for these. Whilst our membership numbers remain fairly static, we do have a fair proportion of Medical Rehabilitation Consultants, Biomedical Engineers, Prosthetists, Orthotists, Physiotherapists, OTs, Rehab Engineers, Directors and Students. But we must continue to work hard to make P&O attractive to the young....

Saeed

Saeed Zahedi OBE, Chairman of ISPO UK MS and member of ISPO International committees

**International Society for Prosthetics and Orthotics
United Kingdom Member Society**



Membership of ISPO through UK National Member Society - 2017

We continue to encourage existing members to renew membership subscriptions with ISPO for 2017. Membership of ISPO includes -

- * free subscription to Prosthetics and Orthotics International (POI) <<http://www.ispoint.org/poi>>, one of the leading international scientific publications in the field of Prosthetics and Orthotics;
- * reduced registration fees at ISPO events, such as the ISPO World Congress <<http://ispo2017.org/>>, national events and congresses, workshops and seminars;
- * ISPO's bimonthly eUpdates <<http://www.ispoint.org/eupdates/>>, and enjoy free access to ISPO members-only online services, including educational resources, scientific content and past POI issues;
- * links to a worldwide network of professionals and exposure to the highest level of expertise and latest developments in the field of Prosthetics and Orthotics;
- * eligibility to serve on ISPO committees <<http://www.ispoint.org/committees>> and taskforces;
- * a membership certificate, reflecting your commitment to the global exchange of knowledge and participation in the leading worldwide Prosthetics and Orthotics network.

Membership subscription rates for 2017 are £105 for full membership and £27 for student membership. Your payment may be made:-

- By cheque, made payable to ISPO UK NMS, and returned together with your renewal form, to ISPO UK MS Secretariat, PO Box 7225, Pitlochry, PH16 9AH
- By online bank transfer to Royal Bank of Scotland, Sort Code: 83-28-39 Account No: 00146801. When paying online please ensure you include your name and membership number as reference to the payment.
- By Standing Order made payable to Royal Bank of Scotland Sort Code: 83-28-39 Account No: 00146801. If you currently have a standing order mandate in place please review this with your bank and ensure that the payment amount is increased to reflect the new membership rate for 2017 - £105 (full member) or £27 (student member).

Whichever method of payment you choose, **please ensure that you return a completed membership renewal form (attached) to the Secretariat office by 30th April 2017.** To improve efficiency and reduce admin costs both ISPO UK NMS and ISPO International actively seek to communicate to members online. It is really important, therefore, that you keep us up to date with current contact details, and in particular, ***your e-mail address.***

We also invite interested parties to consider membership of ISPO - full details of all ISPO activities are available on our websites. For local UK information visit: www.ispo.org.uk and for international information visit www.ispoint.org. To apply for membership, please complete the application form on the next page and return to our secretariat office. Note also ISPO UK is offering up to ten membership bursaries for 2017/18 - full details of how to apply are listed in this e-bulletin and also on our website at www.ispo.org.uk

We thank you in advance for your support for the coming year. We have an exciting programme of activities in 2017 and look forward to your contribution and participation!



Steve Seccombe
Honorary Treasurer & Membership Secretary
ISPO UK MS



2017 MEMBERSHIP RENEWAL FORM

Please complete and return to
ISPO UK NMS Secretariat, PO Box 7225, Pitlochry, PH16 9AH by 31st January 2017
e-mail: info@ispo.org.uk

(Please ✓)

I wish to renew membership of ISPO for the year 1 January to 31 December 2017. ☐

(Please ✓)

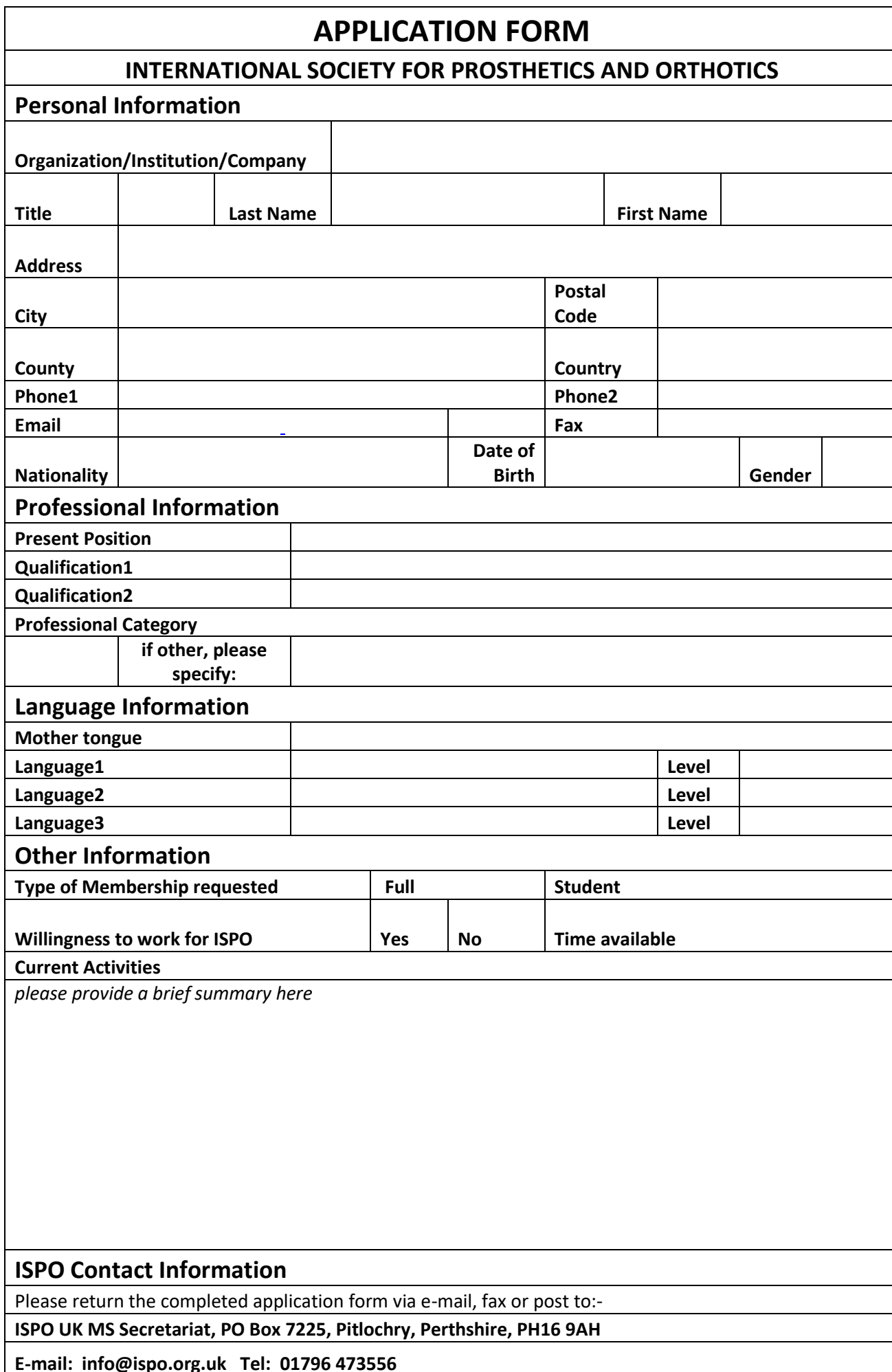
- I enclose cheque payable to ISPO UK NMS for £105.00 ☐ (full member)
 £ 27.00 ☐ (student member)

- I have made arrangements to pay by online bank transfer ☐
(*Royal Bank of Scotland Sort Code: 83-28-39 Account No: 00146801*
Please use member name and membership number as reference with your payment)

- I will continue to pay by Standing Order ☐
(*Please ensure that your standing order is updated to reflect the appropriate membership rate (£105 or £27) and that payment is made by 31st January 2017*)

Membership No:	(if you do not know your membership number leave blank)
Name:	
Address (for correspondence):	
Telephone:	
E-mail:	
Profession:	

To ensure our database is kept up to date and all communications are delivered to you promptly, please complete the section below including your preferred e-mail address





ISPO UK MS Membership Bursaries

ISPO UK MS is keen to support interested individuals working in the field and students studying prosthetics and orthotics or carrying out research and development in this area, by awarding membership bursaries. A total of TEN membership bursaries are available for 2017/18.

Successful applicants will receive a contribution of £55 from ISPO UK MS towards the cost of the annual membership fee for two consecutive years. Successful applicants must contribute the balance payment of £50 each year for two consecutive years, and will receive all benefits of ISPO membership including Prosthetic and Orthotic International scientific journals; full access to the ISPO International members' only website; regular e-bulletins; and reduced delegate registration fees for both ISPO International and UK conferences.

Criteria for Application

- Individuals working in the relevant fields of prosthetics/orthotics/ rehabilitation/ wheelchairs
- Individuals who have not been a member of ISPO in the last 5 years
- Students studying, carrying out research and development in prosthetics and orthotics who have not previously been an ISPO member

Application Process

- Applicants should provide a written statement of not more than 150 words outlining the benefits membership would offer them personally, their organisation and team including areas of interest.
- Statements and contact details should be e mailed to:- info@ispo.org.uk
- **The closing date for applications for 2017/18 membership is 21st April 2017**



**ISPO UK MS ANNUAL SCIENTIFIC MEETING & EXHIBITION
8 & 9 SEPTEMBER 2017**

[GILLESPIE CENTRE, CLARE COLLEGE, CAMBRIDGE](#)

(click on the link above to view full details of the venue)

DRAFT PROGRAMME

Friday 8th September 2017	
0900 hrs	Registration
0930 hrs	Welcome
0940 hrs	Theme: Sports Prostheses Experience of trying all Paralympic sports, when four limbs are partially missing <i>Guest Speaker: Mr John Willis, Power2inspire</i>
1020 hrs	Research & Development plans and report following Government announcement of extra funding for children's prostheses <i>Guest Speaker: Dr Nicola Heron, Programme Director, NIHR D4D Healthcare Technology Co-operative, The University of Sheffield, UK</i>
1100 hrs	Refreshments, Commercial Exhibition and Poster Exhibition
1130 hrs	Free paper presentations (4-6 papers)
1300 hrs	Lunch, Commercial Exhibition and Poster Exhibition
1345hrs	ISPO UK MS Annual General Meeting
1430 hrs	Invitation to companies supplying the four microprocessor knees commissioned by NHS to each talk for ten minutes about their "unique selling points" - to be confirmed
1510 hrs	Refreshments, Commercial Exhibition, Poster Exhibition

1540 hrs	Theme: Effort of Using Prostheses Osseointegration: the Australian system; MoD/NHS evaluation and future plans <i>Guest Speaker: Group Captain Jonahan Kendrew, RAF, Consultant Trauma & Orthopaedic Surgeon, Queen Elizabeth Hospital, Birmingham, UK</i>
1620 hrs	Oxygen consumption in gait <i>Guest Speaker: Dr Hannah Jarvis, University of Salford, UK</i>
1700 hrs	Pattern recognition software to control a multi-articulating upper limb <i>Guest Speaker: Geoffrey Andrews</i>
1800 hrs	Exhibition closes
1930 hrs	Drinks Reception & Conference Dinner
Saturday 9th September 2017	
0830 hrs	Registration
0900 hrs	Instrumented gait analysis: is it clinically useful in prosthetics and orthotics? <i>Guest Speaker: Mr Roy Bowers, Principal Teaching Fellow, Biomedical Engineering, University of Strathclyde, Glasgow, UK</i>
0940 hrs	Developing services and training in gait analysis: Cambridge experience <i>Guest Speaker: Dr Thomas Stone, Clinical Scientist, Addenbrooke's Hospital, Cambridge</i>
1030 hrs	Refreshments, Commercial Exhibition and Poster Exhibition
1100 hrs	Free paper presentations (6-8 papers)
1300 hrs	Presentation of Prizes
1310 hrs	Lunch & Conference Close



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CALL FOR PAPERS & POSTER SUBMISSIONS

ISPO UK MS is pleased to invite you to submit abstracts for the free paper sessions at its forthcoming Annual Scientific Meeting to be held on 8th & 9th September 2017 at Clare College, Cambridge.

All abstracts should be submitted in accordance with the guidelines noted below. Please complete the form below and submit with your abstract to info@ispo.org.uk.

The deadline date for receipt of all abstract submissions is **Friday 2nd June 2017**.

Name:	E-mail:
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Please indicate your preferred option for presentation.

Please tick V as appropriate

Free Paper	12 minute podium presentation + 3 minute Q&A	
Short Clinical Paper	3 minute podium presentation + 2 minute Q&A	
Poster Presentation	Poster exhibition + 2.5 minute podium presentation	
Poster Exhibition	Poster exhibition only (no podium presentation)	

Free paper and short clinical paper abstracts will be published in the scientific meeting compendium and on the ISPO UK MS website (www.ispo.org.uk) If you DO NOT wish your abstract to be published, please tick here ☐

Template and Guidelines for Submission of FREE PAPER ABSTRACTS

Title: **How to lay out a free paper abstract submission**

Presenter: **Name E Pearson, Research Prosthetist, Mr**

Contact Address	Anytown DSC	Tel:	Telephone Number
	Any Street	Fax:	Fax Number
	Anytown	E-mail:	E-mail address
	Post Code		

Other Authors: AN Other, Design Engineer, Anytown General Hospital NHS Trust

The abstract should consist of **not more than 500 words**, 12pt, justified with single spacing, double spacing for paragraphs and on A4 paper. A 25mm margin should be left on all sides. Discipline and affiliations should be stated for each of the authors and the presenting author should be in **bold** type.

The abstract is the only means by which a proposed paper can be assessed and, therefore, it should be complete in itself. It should be structured along the following guidelines:

- Aims and objectives of the study, case study or survey or a brief outline of why the work was undertaken.
- The techniques or methods used and the subjects studied.
- An indication or a summary of the actual results. It **will not** be sufficient to include phrases such as "the results will be discussed".
- Conclusions or recommendations or implications arising out of this work.

A maximum of two references may be included and they should be presented in the format used in the journal of ISPO entitled "Prosthetics and Orthotics International."

Acceptance of abstracts will depend upon these instructions being complied with. **In order to be eligible to present your paper you must be registered for the meeting on the day of presentation.** The abstracts may be edited for inclusion in the Compendium, which will be included in the delegates' pack. Authors are reminded, in their own interests, to pay particular attention to the layout and quality of typing.

Template and Guidelines for SHORT CLINICAL PAPER ABSTRACTS **and POSTER submissions**

Title: How to lay out an abstract for a short clinical presentation or poster submission

Presenter: **Name E Pearson, Research Prosthetist, Mr**

Contact Address	Anytown DSC	Tel:	Telephone Number
	Any Street	Fax:	Fax Number
	Anytown	E-mail:	E-mail address
	Post Code		

Other
Authors: AN Other, Design Engineer, Anytown General Hospital NHS Trust

The submission should consist of **not more than 250 words**, 12pt, justified with single spacing, double spacing for paragraphs and on A4 paper. A 25mm margin should be left on all sides. A brief outline of the work undertaken should be summarized together with key conclusions and recommendations.



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SPONSORSHIP OPPORTUNITIES

ISPO UK MS invites all commercial organisations to consider sponsorship opportunities for the 2017 Annual Scientific Meeting and Exhibition. The cost of sponsorship noted below is for guidance only and ISPO UK will be pleased to discuss options further with any interested parties. Offers will be accepted on a first come first served basis and should be directed to the ISPO Secretariat office by e-mailing info@ispo.org.uk.

Platinum £3,000	Gold £2,500	Silver £2,000	Bronze £1,500
Sponsorship of conference dinner with company logo on menus and wine labels Opportunity to deliver five minute company presentation from conference podium Acknowledgement of sponsorship on podium each morning by conference chair Acknowledgement of sponsorship in conference compendium Acknowledgement of sponsorship on all conference programme and marketing literature including ISPO UK website Priority positioning in exhibition area	Sponsorship of delegate bags with company logo Opportunity to deliver five minute company presentation from conference podium Acknowledgement of sponsorship on podium each morning by conference chair Acknowledgement of sponsorship in conference compendium Acknowledgement of sponsorship on all conference programme and marketing literature including ISPO UK website Priority positioning in exhibition area	Sponsorship of pre dinner drinks reception Opportunity to deliver five minute company presentation from conference podium Acknowledgement of sponsorship on podium each morning by conference chair Acknowledgement of sponsorship in conference compendium Acknowledgement of sponsorship on all conference programme and marketing literature including ISPO UK website Priority positioning in exhibition area	Sponsorship of conference pens and lanyards Opportunity to deliver five minute company presentation from conference podium Acknowledgement of sponsorship on podium each morning by conference chair Acknowledgement of sponsorship in conference compendium Acknowledgement of sponsorship on all conference programme and marketing literature including ISPO UK website Priority positioning in exhibition area



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EXHIBITOR BOOKING FORM

Please complete and return to ISPO UK MS Secretariat, PO Box 7225, Pitlochry, PH16 9AH

E-mail: info@ispo.org.uk Tel: 01796 473556

The ISPO Secretariat Office will then acknowledge receipt of your booking and issue an invoice for payment.

Please note exhibition space cannot be guaranteed until payment is received in full.

Company Name:		
Address:		
Contact Name:		
Telephone:	E-mail:	
Your company details and logo will be published in the conference compendium. Please e-mail your company logo to <u>info@ispo.org.uk</u> . If you do not wish your company's details to appear in the compendium please tick this box. <input type="checkbox"/>		
Exhibition Space		
Exhibition Space (2.0 m x 1.5 m) @ £500 per space	No. of Spaces	Total £
Please indicate the names of the representatives who will attend your stand. You are allowed two representatives per stand space. Additional representatives should register as full conference delegates.		
Advertisements in Conference Compendium		
Exhibitors are invited to advertise in the conference compendium. A4 colour advertisements should be e-mailed in pdf or high res format to <u>info@ispo.org.uk</u> to arrive no later than Friday 11th August 2017 .		
Full page A4 colour (£150 per advert)	No. of Pages	Total £
Delegate Bag Inserts		
Exhibitors may submit literature (maximum size A4) for inclusion in delegate bags. All literature to be delivered to the ISPO Secretariat Office, Arvingerne, Edradour, Pitlochry, PH16 5JW to arrive no later than Friday 25th August 2017 .		
Do you wish to provide literature for inclusion in delegate bags?	Yes / No	



Assistive Technology for All

ISPO International's bi-annual congress is a unique interactive forum where the global community of professionals involved in the care of persons in need of prosthetic, orthotic, mobility and assistive devices comes together to learn about the latest scientific and clinical advances, products, innovative technologies, designs and materials in prosthetic and orthotic care.

For the first time organised on the African continent, the congress aims to ensure increased access to assistive technology for users worldwide through a broad and interactive programme, an international trade show and social events.

Participants will include orthotists, prosthetists, physiatrists, orthopaedic surgeons, physical and occupational therapists, rehabilitation engineers, caregivers, clinical psychologists, social institutions and many others from all corners of the world.

For full details visit <http://www.ispo2017.org/>





International
Organization for
Standardization

ISPO collaboration with the International Organization for Standardization

ISPO and the **ISO/ Technical Committee (TC) 168 Prosthetics and Orthotics** work together on the development of International Standards and Projects to overcome the global challenges of increasing mobility and independence of life of people with disabilities. This is a Joint Committee with CEN TC 293 linked to working group 5 enabling developing harmonisation of the standard generated with EN standards.

The work aims at:

- Harmonising the best O&P practices across the globe
- Providing sustainable rehabilitation through raising education
- Sharing expertise through future technologies such as telemedicine and closer integration of products and services
- Establishing future standards based on users need and closer customisation and integration of products and services.

O&P standards are created by a multidisciplinary team based on very specific needs. The Technical Committee 168 for P&O currently consists of three Working Groups (WG):

- **WG 1 (responsible for Nomenclature and Classification) and WG2 (responsible for Medical Aspects)** are composed of experts in rehabilitation medicine, prosthetists, orthotists, physiotherapists, occupational therapists and biomedical engineers, who are specialists with significant international experience in rehabilitation, design and development as well as education.
- **WG 3, (responsible for Testing)** is composed of mainly engineers with a particular interest in the development of new products, outcome measures for safety, function and utilisation of advance technology in services.

[Click here](#) to view the Standards published by the P&O Technical Committee.

Professor Saeed Zahedi, member of the ISPO Scientific Committee, acts as liaison between ISPO and ISO supported by key members of the Working Groups for dissemination of information latest updates as well as taking the needs of ISPO in generated the future work items for the ISO.

Established in 1974, ISO is an independent non-governmental international organization that brings together experts to share knowledge and develop voluntary, consensus-based, market relevant International Standards that support innovation and provide solutions to global challenges. Visit [ISO website](#).