



The Art  
and the  
Science



**ISPO**  
**19<sup>TH</sup> WORLD CONGRESS**  
**Guadalajara, Mexico**  
**24 - 27 April 2023**

**PRELIMINARY  
PROGRAMME**



INTERNATIONAL  
SOCIETY FOR PROSTHETICS  
AND ORTHOTICS

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#ISPOcongress23



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# Invitation from the ISPO President



The ISPO World Congress is a premiere global event for mobility products (prosthetics, orthotics, and wheelchairs), assistive technology and rehabilitation services that improve mobility and quality of life for people with functional limitations. As ISPO President, it is my privilege to invite you to Guadalajara, Mexico in 2023 to join us and to share with the community ideas and innovations to improve quality of care, to learn from the others, to explore the latest developments of the industry in the trade exhibition, and to connect with other delegates in the various social activities.

The World Congress theme is *The Art and the Science*. This theme brings together two important aspects of prosthetic, orthotic and mobility care. The *Art* can refer to elite craftsmanship and clinical experience that is applied when providing appropriate services for assistive technology consumers. *Art* can also relate to the personalisation and artistic aspects of device

design that incorporates the user's personality and feelings, moving an assistive device beyond just a piece of technology. The *Science* incorporates innovation, evidence, and knowledge translation across the spectrum of prosthetic, orthotic and mobility services to enable end-users to receive appropriate services at the right time, the right place, and the right cost.

ISPO believes that working together can create greater outcomes and this World Congress, which is jointly supported by ISPO Mexico, ISPO Canada, and US-ISPO, is a good example of what can be achieved by working together. We have all missed the opportunity of in-person exchange in the past years, and I look forward to seeing you again in Guadalajara and to the opportunity to exchange and learn.

Claude Tardif  
*ISPO President, Chair,  
ISPO 19<sup>th</sup> World Congress*

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# ISPO

## 19<sup>th</sup> World Congress

### Organisers

ISPO International Society for  
Prosthetics and Orthotics



INTERNATIONAL  
SOCIETY FOR PROSTHETICS  
AND ORTHOTICS

In collaboration  
with:

ISPO Mexico



ISPO Canada



US-ISPO



### Congress committees

World Congress  
Committee

- Claude Tardif, Chair
- Marlo Ortiz, Local Chair
- David Constantine
- Edward Lemaire
- Deirdre Desmond
- Jon Batzdorff
- David Rusaw

World Congress  
Scientific Committee



- Deirdre Desmond, Chair
- Jacqueline Hebert
- Corry van der Sluis
- Cleveland Barnett
- Laura Coffey
- Carlos Galván Duque  
Gastélum
- Luphiwo Mduzana
- Phil Stevens

Local Organising  
Committee



- Marlo Ortiz, Chair
- Manuel Covarrubias, Mexico
- Manuel Duran, Mexico
- José Carlos Díaz, Mexico
- Paulino Hernandez Alvarado,  
Mexico
- Rajiv Kalsi, Canada
- Linda Laakso, Canada
- William Miller, Canada
- Jon Batzdorff, USA
- Elizabeth Mansfield, USA

# Opening Ceremony

MONDAY, 24 APRIL, 10:00-11:45

The President of ISPO, the Chair of the Local Organising Committee, and the Chair of the World Congress Scientific Committee will officially open the ISPO 19<sup>th</sup> World Congress. The Opening Ceremony will be immediately followed by the Knud Jansen and IC2A Inspirational Lectures.

Initiated by ISPO in honour of its founding President, the prestigious Knud Jansen Lecture is an invited lecture nominated by the Executive Board and reflecting the speakers significant contributions to ISPO and the field of P&O in keeping with the aims of the Society.

## Knud Jansen Lecture



Rosielena Jovane

**Art & Science:  
An equation that requires passion!**

Rosielena Jované C. holds a degree in Orthotics and Prosthetics (1981) and is licensed as a Panamanian Prosthetist/Orthotist by the Ministry of Health, Panama (1982).

Rosie was a member of the ISPO Board of Directors (2013-2017) and served for two years as Chair, ISPO-USAID Steering Committee. She was the guiding hand in bringing together various ISPO members from Mexico, Central America and the Caribbean to found the now well-established Uniting Frontiers Forum a highly recognised regional event. She is the recipient of a number of awards, including the ISPO Fellowship in recognition for her professional performance and contributions in the field of O&P (2017).

## IC2A Inspirational Lecture



Ana Paulina Chavira

Ana Paulina Chavira is a Mexican journalist who has been wearing a prosthetic leg since 1998, when she was diagnosed with cancer. Her life as an amputee changed when she got a MAS socket – she was a model and speaker for Ana's Leg educational program implemented by Össur.

She has worked as a journalist at Reforma (Mexican newspaper), at The New York Times en Español (the Spanish version of the American newspaper), and now at Fox Sports as a women's football analyst. She is the proof reader for Nexos, a Mexican magazine. She has also specialised as a linguistic advisor for Mexican media and private businesses such as Google.

Ana Paulina Chavira will be presenting the International Confederation of Amputee Associations (IC2A) Inspirational Lecture during the Opening Ceremony.

[Click here for further details](#)



# Keynotes



Sophie de Oliveira  
Barata



Chris Parsons

**TUESDAY, 25 APRIL, 11:00-11:45**  
**The Alternative Limb Project:**  
**The path to self-expression – 10 years on**

The Alternative Limb Project was founded by Sophie de Oliveira Barata, using the unique medium of prosthetics to create highly stylised wearable art pieces.

Merging the latest technology with traditional crafts, Sophie's creations explore themes of body image, modification, evolution and transhumanism, whilst promoting positive conversations around disability and celebrating body diversity.

Sophie collaborates with specialists in fields such as 3D modelling, electronics, and cutting edge technology to create each piece. Clients have included Paralympic athletes, music performers, models and video game companies.

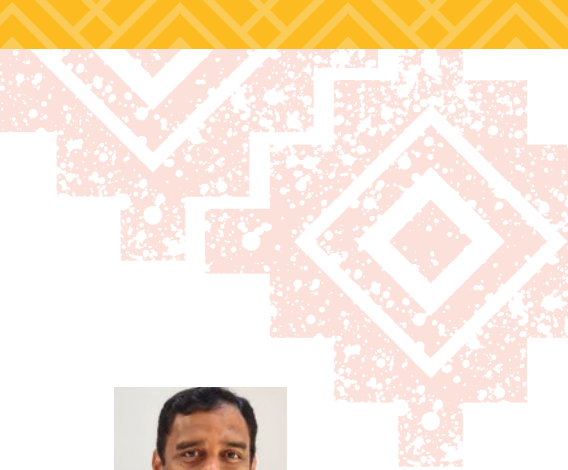
Passionate about prosthetics, Chris Parsons is a highly accomplished clinician and manager, with over 40 years of experience in all levels of limb difference and rehabilitation.

Chris has a proven record in successful service delivery, clinical outcomes and team management and is adept at assessing and understanding the unique requirements for each case entrusted to him. He embraces every challenge his career presents, always seeking the best outcome for patients, clients and their families.

Chris is currently enjoying providing expert prosthetic care from his clinic in the South East of England. Working alongside Sophie de Oliveira Barata, founder of The Alternative Limb Project, has shown Chris new ways of approaching his clinic and when included in Sophie's vision, has produced a number of highly successful collaborative projects.

[Click here for further details](#)





**Professor  
Nachiappan Chockalingam**

**WEDNESDAY, 26 APRIL, 11:00-11:45**  
**Modelling, models and masterpieces:  
Translating research into clinical practice**

Nachiappan (Nachi) Chockalingam is the Director of the Centre for Biomechanics and Rehabilitation Technologies at Staffordshire University, UK. He is an Affiliate Professor at the University of Malta, and a Visiting Professor at Sri Ramachandra University, India.

Prof. Chockalingam has published over 230 full research manuscripts alongside numerous abstracts, book chapters and lectures. He has served on the boards of and supported several international scientific communities. Prof. Chockalingam reviews for several journals and grant-awarding bodies worldwide. He is also an Associate Editor for the 'Footwear Science', 'Prosthetics and Orthotics International' and 'Rehabilitation for Musculoskeletal Conditions' journals.

Prof. Chockalingam's research has received funding from various international bodies including the European Commission and the British Council. His current activities at Staffordshire University focus on translational research. He has played a pivotal role in bringing various allied health professionals to the wider biomechanics and medical engineering community. Prof. Chockalingam advocates for multi and interdisciplinary research, promotes gender equality and takes every effort to support students and young researchers. He is involved in charitable and non-profit organisations to help the wider global community on healthy ageing and assistive technology to aid mobility.



**Professor  
Stefania Fatone**

**THURSDAY, 27 APRIL, 11:00-11:45**  
**The Northwestern University sub-ischial  
socket: A journey from idea to development,  
research, dissemination, and implementation**

Stefania Fatone joined the University of Washington in January 2022 as Professor and Associate Chair in the Department of Rehabilitation Medicine and Programme Director of the Division of Prosthetics and Orthotics. Prior to that, Dr. Fatone was a faculty member in the Northwestern University Department of Physical Medicine and Rehabilitation for two decades.

Prof. Fatone has over 20 years of experience conducting prosthetics and orthotics research and currently leads multiple research projects funded by federal agencies and professional organisations. Her research includes a broad range of experimental, qualitative, and review studies in areas such as transfemoral prosthetic socket biomechanics and design, orthotic management of upper motor neuron lesions, and partial foot amputation. She has published nearly 100 journal articles, book chapters, editorials, commentaries, and evidence notes and presents regularly at conferences nationally and internationally.

Prof. Fatone is an honorary Member of the American Academy of Orthotists and Prosthetists and a recipient of the Academy's distinguished Research Award. She is the co-developer of the NU-FlexSIV and NU-FlexSIS Socket technique and previously served as co-Editor-in-Chief of *Prosthetics and Orthotics International*.

[Click here for further details](#)



# Programme information

## The Art and the Science

The ISPO 19<sup>th</sup> World Congress brings together professionals from diverse fields from around the globe to share a **high-calibre scientific programme** including **keynote lectures, symposia, instructional courses, free paper and poster presentations.**

The World Congress theme *The Art and the Science* brings together two important aspects of prosthetic, orthotic and mobility care. The *Art* can refer to elite craftsmanship and clinical experience that is applied when providing appropriate services for assistive technology consumers. Art can also relate to the personalisation and artistic

aspects of device design that incorporates the user's personality and feelings, moving an assistive device beyond "just" a piece of technology. The *Science* incorporates innovation, evidence, and knowledge translation across the spectrum of prosthetic, orthotic and mobility services to enable end-users to receive appropriate services at the right time, the right place, and the right cost.

Through its scope the congress delivers the latest achievements, scientific and technological developments in the field and offers delegates a unique opportunity for continued development through discussion and exchange.

## Language and translation

The majority of presentations will be held in English with simultaneous translation into Spanish in five of the eight session rooms. Spanish presentations will be translated into English.







## Awards and prizes

At each ISPO World Congress, ISPO recognises outstanding achievements through various awards and prizes.

### Forchheimer Prize

Established by the Forchheimer Family to honour the memory of Sylvia and Alfred Forchheimer, the prize is awarded to the most outstanding paper on objective clinical assessment, clinical evaluation or clinical measurement published in *Prosthetics and Orthotics International* during the years prior to the World Congress.

### Brian and Joyce Blatchford Team Prize for Innovation

Established by the Blatchford Family to honour the memory of Mr. Brian Blatchford and Mrs. Joyce Blatchford, the prize is awarded to a team that has an outstanding record of innovative achievement in the field of prosthetics and/or orthotics, which should be related to prosthetic and/or orthotic hardware, or scientifically based new techniques that result in better prostheses or orthotics.

### Sepp Heim Award

The award honours Sepp Heim's significant lifetime contributions to ISPO and to the development of mobility devices, services, and education in less resourced settings. It recognises an individual or an institution/organisation that has made significant contributions to the development and/or provision of appropriate mobility device services in less resourced settings.

### World Congress Best Paper and Poster Prizes

The prizes in the following five categories are awarded by the Scientific Committee of ISPO World Congress to presenting authors of free papers/posters during the Closing Ceremony:

- Advancing Clinical Treatment
- Advancing Technology
- Advancing Psychosocial/ Socio-Economic Science
- Advancing Education
- Best Poster



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# Programme overview

Monday, 24 April 2023

## Explanation

### SESSION FORMATS


**SYM** Symposium


**BIC** Basic instructional course


**AIC** Advanced instructional course


**FPS** Free paper session


### CONGRESS TOPICS


 Prosthetics: Lower limb


 Prosthetics: Upper limb


 Orthotics: Lower limb


 Orthotics: Upper limb/Spinal


 Education


 Low- and middle-income countries


 Outcome measurements/ Psychosocial issues/ Quality of life

 Rehabilitation medicine and surgery

 Seating and wheelchair

 Other topics

 Simultaneous translation into Spanish available

 Presentation(s) in Spanish, with English translation available

Time	Main Room	Session 2	Session 3	Session 4
10:00	<b>Opening Ceremony</b>  Knud Jansen Lecture by <i>Rosielena Jovane</i> : Art & Science: An equation that requires passion! IC2A Inspirational Lecture by <i>Ana Paulina Chavira</i>			
11:45	<b>Exhibition opening</b> Exhibit and poster viewing break			
13:15	<b>SYM: Seating and wheelchair</b>  Launch of the WHO Wheelchair Provision Guidelines <i>Kylie Shae</i>	<b>BIC: Training and therapy</b>  Phantom motor execution treatment using augmented and virtual reality to relieve phantom limb pain <i>Corry K. van der Sluis</i>	<b>SYM: Rehabilitation medicine and surgery</b>  How about the treatment of stiff knee gait post-stroke? <i>Corien Nikamp</i>	<b>SYM: Education</b>  Intra- and interprofessional experiences in O&P education: What does it look like and where is it going? <i>Jeremy Sherman</i>
14:30	Exhibit and poster viewing break			
14:45	<b>SYM: Seating and wheelchair</b>  Launch of the WHO Wheelchair Provision Guidelines <i>Kylie Shae</i>	<b>SYM: Outcome measurements</b>  A national approach to collect patient experience data for O&P providers in Australia <i>Leigh Clarke</i>	<b>AIC: Rehabilitation medicine and surgery</b>  Prosthetic care for bionic bone-anchored limbs: From practical experience to clinical guidelines <i>Laurent Frossard</i>	<b>AIC: Education</b>  Teaching methodology in times of crisis <i>Christian Schlierf</i>
16:00	Exhibit and poster viewing break			
16:30	<b>SYM: Seating and wheelchairs</b>  WEP: A tool to integrate wheelchair-related content into prosthetics and orthotics curricula <i>David Rusaw</i>	<b>BIC: Prosthetics: Lower limb transtibial</b>  Management of lower limb amputees as general aspect, rehabilitation, biomechanics and fitting <i>Carolina Schiappacasse</i>	<b>SYM: Orthotics: Lower limb neurological I</b>  Microprocessor stance and swing control orthoses are a milestone for lower limb paresis with knee-ankle-foot orthoses <i>Andreas Kannenberg</i>	<b>SYM: Low- and middle-income countries</b>  Peer group training among people living with a spinal cord injury in rural Cambodia <i>Pia Nolstedt</i>
17:45	<b>Welcome Reception</b>			
19:00				

This programme is subject to change.



Session 5	Session 6	Session 7	Session 8	Exhibitor Workshops	Time
					10:00
					11:45
<b>BIC: Sports and physical activity</b> Sport as a physical and psychological rehabilitation tool for the amputee patient <i>Alejandra Siller</i>	<b>FPS: Outcome measurements</b> Limb loss	<b>FPS: Paediatrics</b> Lower limb prosthetics	<b>FPS: Prosthetics: Lower limb</b> Gait biomechanics		13:15
					14:30
<b>BIC: Sports and physical activity</b> Adapting physical activity training to mixed ability groups of people with lower limb amputation <i>Miranda Asher</i>	<b>FPS: Gait and balance</b> Amputee gait	<b>FPS: Orthotics: Lower limb</b> Ankle foot orthoses I	<b>Poster session</b>		14:45
					16:00
<b>FPS</b> Developing the O&P workforce	<b>FPS: Footwear</b> Footwear	<b>FPS: Prosthetics: Upper limb</b> Device outcomes	<b>FPS: Psychosocial issues/quality of life</b> Psychological, social and economic issues I		16:30
					17:45
					19:00

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# Programme overview

Tuesday, 25 April 2023

## Explanation

### SESSION FORMATS

**SYM** Symposium

**BIC** Basic instructional course

**AIC** Advanced instructional course

**FPS** Free paper session

### CONGRESS TOPICS

Prosthetics: Lower limb

Prosthetics: Upper limb

Orthotics: Lower limb

Orthotics: Upper limb/Spinal

Education

Low- and middle-income countries

Outcome measurements/ Psychosocial issues/ Quality of life

Rehabilitation medicine and surgery

Seating and wheelchair

Other topics

Simultaneous translation into Spanish available

Presentation(s) in Spanish, with English translation available

Time	Main Room	Session 2	Session 3	Session 4
09:15	<b>BIC: Outcome measurements  </b> Integrating biomechanical-based instrumentation with performance-based outcome measurement in P&O in resource-limited settings <i>Manunchaya Samala</i>	<b>BIC: Prosthetics: Upper limb  </b> Bilateral upper limb loss and occupational therapy: An overview of resources, adaptive equipment and prosthetic training <i>Shawn Johnson</i>	<b>AIC: Rehabilitation medicine and surgery</b> Rehabilitation of bone-anchored prosthesis users: Worldwide lessons learned and the way ahead <i>Ruud Leijendekkers</i>	<b>SYM: Education</b> ExceedOnline: Legacy of Covid pandemic on prosthetic and orthotic education: Adoption, adaptation, advancement for innovative solutions <i>Sisary Kheng</i>
10:30	Exhibit and poster viewing break			
11:00	<b>Keynote lecture:</b> The Alternative Limb Project: The path to self-expression – 10 years on <i>Sophie de Oliveira Barata and Chris Parsons</i>			
11:45	<b>Presentation of the Forchheimer Prize</b>			
12:00	Exhibit and poster viewing break			
13:15	<b>SYM: Gait and balance</b> Instrumented gait analysis in the fields of prosthetics and orthotics: Are we doing it right? <i>Erik Prinsen</i>	<b>SYM: Prosthetics: Lower limb</b> Body-device interface interactions: Things you should know about mechanobiology <i>Arjan Buis</i>	<b>BIC: Seating and wheelchair</b> Evolution of standards in the wheelchair sector: Standardising products, services and training <i>Mary Goldberg</i>	<b>SYM: Low- and middle-income countries</b> Sustainable design of lower limb prosthetic components for low-resourced regions <i>Tim Bryant</i>
14:30	Exhibit and poster viewing break			
14:45	<b>SYM: Prosthetics: Lower limb transfemoral  </b> Influence of co-morbid health and component selection on mobility and fall risk among older diabetic/dysvascular amputees   <i>Phillip Stevens</i>	<b>SYM: Device fabrication and design</b> Digital transformation of prosthetic and orthotic services <i>Ben Oldfrey</i>	<b>BIC: Paediatrics</b> Peculiarities in orthoprosthetic care of children with congenital malformations <i>Michael Schaefer</i>	<b>BIC: Education</b> The Alternative Limb Project: Bridging the creative and clinical <i>Chris Parsons</i>
16:00	Exhibit and poster viewing break			
16:30	<b>SYM: Education</b> ICRC's approaches to the training and education of prosthetists and orthotists, present and future <i>Subhash Kumar Sinha</i>	<b>SYM: Prosthetics: Lower limb transfemoral  </b> Prosthetic knee selection for individual patients: Technical, biomechanical, clinical and evidence considerations <i>Andreas Kannenberg</i>	<b>BIC: Rehabilitation medicine and surgery</b> Interdisciplinarity at the heart of prosthetic rehabilitation for patients with upper limb amputation <i>Marie-Helene Forest</i>	<b>AIC: Gate and balance</b> New insights for orthotic and prosthetic alignment from research with wearable sensors <i>David Boone</i>
17:45	Exhibit and poster viewing			
18:00	Exhibit and poster viewing			

This programme is subject to change.

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Session 5	Session 6	Session 7	Session 8	Exhibitor Workshops	Time
<b>SYM: Orthotics: Lower limb neurological</b>   Precision orthotics: Evidence and new technologies to individualise ankle foot orthosis stiffness <i>Niels Waterval</i>	<b>FPS: Orthotics: Lower limb</b> Ankle foot orthoses II	<b>FPS: Paediatrics</b> Orthotics	<b>FPS: Prosthetics: Lower limb</b> Gait and components		09:15
					10:30
					11:00
					11:45
					12:00
<b>AIC: Orthotics: Lower limb neurological</b>   Why orthotic treatment should be a first line approach for early gait rehabilitation following stroke <i>Paul Charlton</i>	<b>FPS: Education</b> Education I	<b>FPS: Prosthetics: Lower limb</b> Osseointegration methods and techniques	<b>FPS: Psychosocial issues/ quality of life</b> Psychological, social and economic issues II		13:15
					14:30
<b>SYM: Healthcare policy and services</b> Assessment tool of the WHO standards for prosthetics and orthotics <i>Louise Puli</i>	<b>FPS: Prosthetics: Lower limb</b> Simulation and theory	<b>FPS: Prosthetics: Upper limb</b> Grasping	<b>Poster session</b>		14:45
					16:00
<b>FPS: Prosthetics: Lower limb</b> Knees	<b>FPS: Low- and middle-income countries</b> Healthcare policy and services I	<b>FPS: Outcome measurements</b> O&P	<b>FPS: Training and therapy</b> Training and therapy		16:30
					17:45
					18:00

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# Programme overview

Wednesday, 26 April 2023

## Explanation

### SESSION FORMATS

**SYM** Symposium

**BIC** Basic instructional course

**AIC** Advanced instructional course

**FPS** Free paper session

### CONGRESS TOPICS

Prosthetics: Lower limb

Prosthetics: Upper limb

Orthotics: Lower limb

Orthotics: Upper limb/Spinal

Education

Low- and middle-income countries

Outcome measurements/ Psychosocial issues/ Quality of life

Rehabilitation medicine and surgery

Seating and wheelchair

Other topics

Simultaneous translation into Spanish available

Presentation(s) in Spanish, with English translation available

Time	Main Room	Session 2	Session 3	Session 4
09:15	<b>ISPO World Assembly</b>			
10:30	Exhibit and poster viewing break			
11:00	<b>Keynote lecture:</b> Modelling, models and masterpieces: Translating research into clinical practice <i>Nachiappan Chockalingam</i>			
11:45	Exhibit and poster viewing break			
13:00	<b>SYM: Gait and balance  </b> Balance and postural control of people with lower limb amputations: Perspectives from an interdisciplinary group of professionals   <i>Cleveland Barnett</i>	<b>SYM: Prosthetics: Lower limb transfemoral  </b> Evidence-based clinical practice guidelines and novel approaches to transfemoral socket interface design <i>Marlo Ortiz</i>	<b>SYM: Prosthetics: Upper limb</b> Factors associated with elevated well-being in individuals with upper limb amputation <i>Phillip Stevens</i>	<b>BIC: Low- and middle-income countries</b> Capacity building in orthotic education in Tanzania <i>Pia Nolstedt</i>
14:15	Exhibit and poster viewing break			
14:30	<b>SYM: Orthotics: Lower limb neurological  </b> Biomechanics and gait training of ankle-foot orthoses for individuals post-stroke <i>Hiroshi Hashimoto</i>	<b>SYM</b> Sustainable prosthetic and orthotic assistance in Ukraine <i>Jon Batzdorff</i>	<b>AIC: Rehabilitation medicine and surgery</b> International update on bone anchored prosthesis for individuals with limb amputation <i>Jan Paul Frölke</i>	<b>SYM: Education</b> Students' perception of prosthetics and orthotics education in East Africa <i>Akouetevi Aduayom-Ahego</i>
15:45	Exhibit and poster viewing break			
16:15	<b>SYM: Education</b> Interprofessional rehabilitation education: Developments, opportunities and benefits for the prosthetics and orthotics profession <i>Martina Lukin</i>	<b>SYM: Prosthetics: Lower limb transfemoral  </b> Safe travels: Gait strategies and features of prosthesis design that support balance when walking with a transfemoral prosthesis <i>Matthew Major</i>	<b>BIC: Seating and wheelchair</b> Importance of appropriate wheelchair maintenance for improving the safety of wheelchair users <i>Anand Mhatre</i>	<b>FPS: Low- and middle-income countries</b> Healthcare policy and services II
17:30	Exhibit and poster viewing			
18:00	Exhibit and poster viewing			
19:00	<b>Congress Party</b>			

This programme is subject to change.

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Session 5	Session 6	Session 7	Session 8	Exhibitor Workshops	Time
					09:15
					10:30
Practice					11:00
					11:45
<b>SYM: Orthotics: Spinal</b> Digital orthotic design and management of adolescent idiopathic scoliosis <i>M. S. Wong</i>	<b>FPS: Prosthetics: Lower limb</b> Osseointegration outcomes	<b>FPS: Prosthetics: Lower limb</b> Various topics	<b>FPS: Rehabilitation medicine and surgery</b> Various topics		13:00
					14:15
<b>BIC</b> Health Economics 101: An introduction to health economic evaluations and their use in prosthetics and orthotics <i>Leigh Clarke</i>	<b>FPS: Paediatrics</b> Upper limb	<b>FPS: Prosthetics: Lower limb</b> Socket function	<b>Poster session</b>		14:30
					15:45
<b>FPS: Prosthetics: Upper limb</b> Various topics	<b>FPS: Prosthetics: Lower limb</b> Physical activity	<b>FPS: Orthotics: Lower limb</b> AFO neuromuscular disease and stroke	<b>FPS</b> Telehealth and mobile services		16:15
					17:30
					18:00
					19:00

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# Programme overview

Thursday, 27 April 2023

## Explanation

### SESSION FORMATS


**SYM** Symposium










**BIC** Basic instructional course

**AIC** Advanced instructional course

**FPS** Free paper session






### CONGRESS TOPICS

- Prosthetics: Lower limb
  - Prosthetics: Upper limb
  - Orthotics: Lower limb
  - Orthotics: Upper limb/Spinal
  - Education
  - Low- and middle-income countries
  - Outcome measurements/ Psychosocial issues/ Quality of life
  - Rehabilitation medicine and surgery
  - Seating and wheelchair
  - Other topics
-  Simultaneous translation into Spanish available
- Presentation(s) in Spanish, with English translation available

Time	Main Room	Session 2	Session 3	Session 4
09:15	<b>SYM: Education</b>  Evidence-based practice in education for prosthetic orthotic occupations <i>Helen Cochrane</i>	<b>SYM: Prosthetics: Lower limb transtibial</b>  Assessment of stump-socket interaction load: Critical appraisal of state-of-the-art measurement techniques to quantify in-socket tissue stress and strain <i>Mark Geil</i>	<b>BIC</b>  Silicone as an outstanding material for individual approaches in O&P <i>Michael Schaefer</i>	<b>BIC</b>  Digital Center Management System: A digital solution supporting physical rehabilitation to enhance the services provided to health services users <i>Aicha Benyaich</i>
10:30	Exhibit and poster viewing break			
11:00	<b>Keynote lecture:</b> The Northwestern University sub-ischial socket: A journey from idea to dev <i>Stefania Fatone</i>			
11:45	<b>Presentation of the Bryan and Joyce Blatchford Team Prize for Innovation</b> 			
12:00	Exhibit and poster viewing break			
13:00	<b>BIC: Training and therapy I</b>  Training in assistive products: Introducing the WHO's innovative online open access training resource to grow the global AT workforce <i>Emma Tebbutt</i>	<b>SYM: Prosthetics: Lower limb transfemoral</b>  Improving the safety of direct skeletal fixation: Essential information to develop failsafe devices <i>Peter Lee</i>	<b>SYM</b>  The O&P Global Project: Uniting national member associations <i>Leigh Clarke</i>	<b>BIC: Education</b>  Applying the clinical practice guidelines for use of AFO or FES post stroke: Shared decision-making in action <i>Lisa Brown</i>
14:15				
14:30	<b>SYM: Prosthetics: Upper limb</b>  The science of over-use injuries after upper limb absence and the art of treating it <i>Sietke Postema</i>	<b>AIC: Prosthetics: Lower limb ankle and foot</b>  The experience of providing self-aligning and micro-processor ankle-feet to bilateral transtibial prosthetic users in Scotland <i>Fiona Davie-Smith</i>	<b>BIC: Healthcare policy and services</b>  The evolution of assistive technology and rehabilitation in Togo, West Africa: Strategies, achievements and human resource development <i>Anarème Kpandressi</i>	<b>SYM: Training and therapy</b>  A clinical framework for lifelong care for people living with lower limb loss <i>Natalie Vanicek</i>
15:45				
16:00	<b>Closing Ceremony</b> 			
17:00				

This programme is subject to change.



Session 5	Session 6	Session 7	Session 8	Exhibitor Workshops	Time
<b>FPS: Low- and middle-income countries</b> Device fabrication and testing  	<b>FPS: Education</b> Education II	<b>FPS: Orthotics: Lower limb</b> Proximal	<b>FPS: Prosthetics: Lower limb</b> Osseointegration gait and biomechanics		09:15
					10:30
development, research, dissemination, and implementation 					11:00
					11:45
					12:00
<b>BIC: Device fabrication and design</b> Introductory course: An open-source, digital 3D workflow for creating low-cost and high-quality O&P devices <i>Joren Vallaey</i> 	<b>FPS: Gait and balance</b> Sensors and classification	<b>FPS: Prosthetics: Lower limb</b> Ankle and foot	<b>FPS: Prosthetics: Upper limb</b> Partial hand		13:00
					14:15
<b>FPS: Orthotics: Spinal</b> 	<b>FPS</b> Additive manufacturing	<b>FPS: Prosthetics: Lower limb</b> Socket design	<b>FPS: Rehabilitation medicine and surgery</b> Lower limb amputation		14:30
					15:45
					16:00
					17:00

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**Leipzig, Germany**

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# International exhibition

At the exhibition, you can encounter companies from all continents showcasing their latest products and innovations. As of 16 January, 76 companies from 19 countries have already registered. Registration is still ongoing. Check out the preliminary exhibitor directory on the following pages for a detailed overview of participating companies.

## Experience hands-on exhibitor workshops

In addition to the diverse scientific programme, individual exhibitors will offer you the opportunity to participate in practical workshops, focusing on their latest product developments and modern therapy options as well as sales, marketing, and organisational consulting. Admission is free for full congress delegates as well as exhibition day pass holders.

## Start-up area

As a special area within the exhibition, young innovative companies will present their latest developments and products in a joint area. Registered companies are highlighted in the exhibitor directory.

## International community area (ICA)

ISPO International has reserved a special joint poster and networking area for ISPO Member Societies, ISPO accredited P&O programmes, and non-profit entities active in the P&O industry.

## Key exhibition areas


- Activity monitoring
- Assistive technology
- Care of older adults
- Clothing
- Digital manufacturing
- Disability sports
- Education and training
- Elastic supports
- Movement analysis
- Orthopaedic footwear
- Orthotics
- Podiatry
- Prosthetics
- Raw / ancillary material, factory supplies
- Research and development
- Robotics
- Services
- Therapeutic equipment
- Wheelchair and customised solutions
- Workshop fixtures and fittings











**CLICK HERE**  
if you are interested  
in exhibiting and request  
information from the  
World Congress  
Project Team

# Exhibitor directory

List as of 16 January 2023






 Young innovative company

Exhibitor	Country
<b>A</b>	
Adapttech Ltd.	United Kingdom
Agruquero Thermoplastics S.L. 	Spain
Allard International – Camp Scandinavia.	Sweden
ALPS SOUTH LLC 	USA
Amparo Prosthetics Ltd	United Kingdom
AOFE Clinics	Netherlands
<b>B</b>	
BASKO Healthcare B.V.	Netherlands
Becker Orthopedic Appliance Co. 	USA
Blatchford Ltd. 	United Kingdom
<b>C</b>	
Circleg 	Switzerland
Covvi Ltd	United Kingdom
Coyote Prosthetics & Orthotics Inc.	USA
<b>D</b>	
3Digity 	Germany
DIERS	Germany
DOI ortho-innovativ GmbH	Germany
Dorset Orthopaedic 	United Kingdom

Exhibitor	Country
Dr. Comfort	USA
<b>E</b>	
Especialidades Medico Ortopedicas SL (EMO)	Spain
Ethnocare Inc.	Canada
<b>F</b>	
FIOR & GENTZ – Gesellschaft für Entwicklung und Vertrieb von orthopädietechnischen Systemen mbH	Germany
Fix-Lab SA de CV 	Mexico
<b>G</b>	
GESPODO	Belgium
<b>H</b>	
Health Group Industrias de Mexico SA de CV	Mexico
Human Study e.V.	Germany
<b>I</b>	
IB-ER Makina A.S.	Turkey
International Committee of the Red Cross (ICRC)	Switzerland
Infinite Biomedical Technologies	USA
Inova Orthopedics 	USA
ISPO International 	Belgium
<b>J</b>	
Junquera y Diz S.L.	Spain

**CLICK HERE**  
to access the  
up-to-date  
online exhibitor  
directory




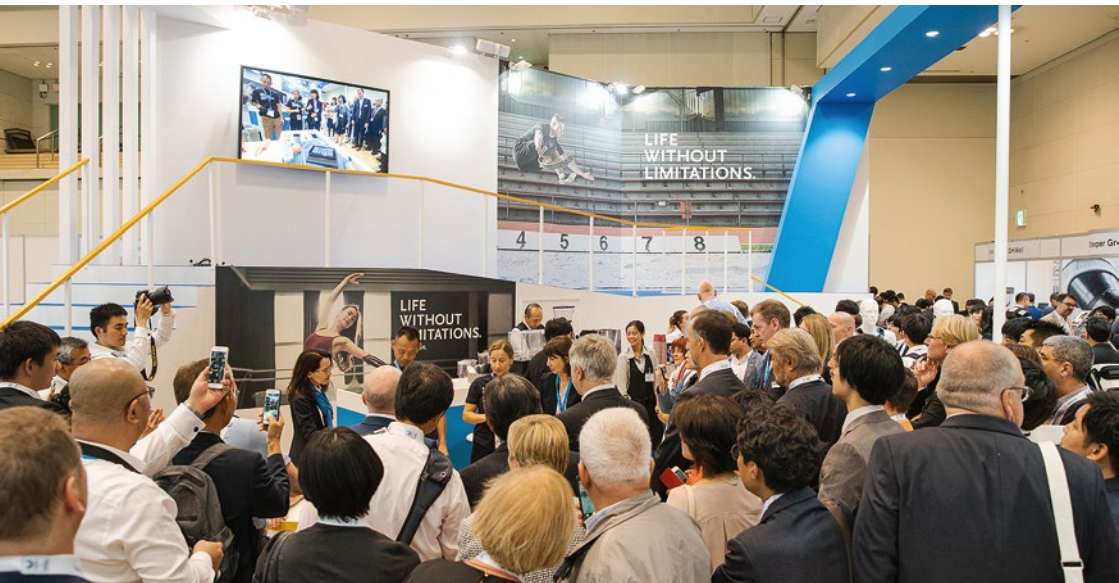
Exhibitor		Country
<b>K</b>		
Ken Dall Enterprise Co., Ltd.		Taiwan
Koalaa Ltd.		United Kingdom
<b>M</b>		
Medipor Ortopedi		Turkey
METRICAL		Mexico
<b>O</b>		
O and P de Mexico S.A. de C.V.		Mexico
Open Bionics		USA
Orfit Industries NV		Belgium
ORLIMAN S.L.U.		Spain
OrmoSys GmbH		Germany
ORTEN – Proteor		France
Ortiz Internacional S.A. de C.V.		Mexico
Orto Estetica Medica s.r.l		Dominican Republic
Orto Move SA de CV		Mexico
OrtoteK Protez Ortez Rehabilitasyon Merkezi A.S.		Turkey
Osseointegration International Pty Ltd		Australia
Össur		Netherlands

Exhibitor		Country
OTN Implants B.V.		Netherlands
Ottobock SE & Co. KGaA		Germany
OTWorld – International Trade Show and World Congress		Germany
<b>P</b>		
P&O INTERNATIONAL PVT. LTD.		India
Paralid – Dr. Foot		Mexico
Physiopedia		United Kingdom
Proactive Technical Orthopaedics Pvt Ltd		India
Prosthetic Tools Colombia S.A.S		Colombia
Proted Protez Ortez Anonim Sirketi		Turkey
<b>R</b>		
REEV SAS		France
Rehab`Impulse		Switzerland
Rollerwerk-Medical/Orthotimer		Germany
<b>S</b>		
Schein Orthopädie Service KG		Germany
schwa-medico GmbH		Germany
Shining 3D Tech Co. Ltd		China

# Exhibitor directory

List as of 16 January 2023

Exhibitor	Country	Exhibitor	Country
SPANNRIT GmbH	Germany	Teh Lin Prosthetic & Orthopaedic, Inc.	Taiwan
Spinal Technology Inc 	USA	TechMed 3D Inc. 	Canada
ST&G USA Corporation	USA	Trinytec/Satori	France
Standpunkt by Klopff GmbH	Germany	<b>V</b>	
Steeper Group	United Kingdom	VORUM Research Corporation	Canada
Streifeneder ortho. production GmbH	Germany	<b>W</b>	
<b>T</b>		Wagner Polymertechnik GmbH	Germany
Tamarack Habilitation Technologies, Inc.	USA	Waldi Schuhfabrik	Germany



**CLICK HERE**  
to visit  
Guadalajara's  
official website



## The location

### Guadalajara, Mexico

Guadalajara is considered to be the cultural centre of Mexico. The region has given birth to some of Mexico's most iconic traditions including mariachi music, tequila, and charrería. It enjoys a mild subtropical climate.

Located in the centre of Western Mexico, 560 km or 350 miles west of Mexico City and 320 km or 200 miles east of Puerto Vallarta, Guadalajara is the capital of the state of Jalisco. The Guadalajara metropolitan area has a population of approximately 5 million people, making it the second-largest metropolitan area after Mexico City.



### Venue: Expo Guadalajara

The World Congress will be taking place at Expo Guadalajara, the largest convention centre in Mexico, and one of the largest and technologically best equipped venues for exhibitions, congresses, and events in Latin America. All meeting rooms are located in one area of the convention centre.

Various hotels are located within walking distance of Expo Guadalajara.

#### Overview Expo Guadalajara





**CLICK HERE**  
for registration  
information and  
to register  
now

# Registration

To make participation affordable for individuals from all regions worldwide, registration fees are based on the income groups assigned to the world's economies by the World Bank. The table below outlines the early bird and late registration fees by income group in US dollars (USD).

Full congress registration	Early bird fee until 27 February 2023	Regular fee as of 28 February 2023
<b>High income country</b>		
Member	\$ 709	\$ 869
Non-member	\$ 919	\$ 1,129
<b>Upper middle income country</b>		
Member	\$ 509	\$ 629
Non-member	\$ 659	\$ 819
<b>Lower middle- and low-income country</b>		
Member	\$ 279	\$ 339
Non-member	\$ 359	\$ 449
<b>Student</b>	\$ 279	\$ 279

**MEMBER RATES** are available to those who are members of ISPO. Not yet a member? Join the society and take advantage of the member rates.

**STUDENT RATES** are available to students enrolled full-time at an educational institution. Proof is required during registration.

Limited congress and exhibition only registration	Early bird fee until 27 February 2023	Regular fee as of 28 February 2023
One day congress	\$ 279	\$ 339
Accompanying person	\$ 129	\$ 129
Exhibition day pass	\$ 69	\$ 69

**CLICK HERE**  
for details and  
to apply

## Grants to support regional attendance

ISPO recognises that some participants may need financial assistance related to their attendance. Therefore, ISPO members from the Latin American region, who experience financial barriers to participation, can apply for a 20% registration discount on their applicable registration rates.

# Social events

## Welcome Reception

MONDAY, 24 APRIL 2023, 17:45-19:00

Hosted on the opening day of the congress and gathering all registered congress participants and exhibitors, the Welcome Reception offers an opportunity to re-connect with old friends and make new contacts while visiting the exhibitors. Participation is included in congress registration fees. Exhibition day pass holders are not admitted.

## Congress Party

WEDNESDAY, 26 APRIL 2023, 19:00-24:00

One of the highlights of each World Congress, the Congress Party celebrates our achievements with great food, drinks, and entertainment. Get ready to feel the spirit of Mexico!

Tickets are available for purchase at USD 60 per person via the online registration portal. Bus transportation to and from the party venue is included in the ticket price.



## Travel, accommodation and tours

Guadalajara is accessible via the Miguel Hidalgo International Airport (GDL), located about 21 km or 13 miles from Expo Guadalajara. Regular direct flights are available from Mexico City as well as from major cities in the United States.

Depending on your country of origin, you may require a travel visa to enter Mexico. Standard visa invitation letters are provided to all registrants.

[CLICK HERE](#)  
for travel,  
accommodation  
and tour details



# International Society for Prosthetics and Orthotics



ISPO is a global, multidisciplinary, non-governmental organisation aiming to improve the quality of life for persons who may benefit from prosthetic, orthotic, mobility, and assistive devices. ISPO provides an effective platform for the exchange and communication on all aspects of the science, practice, and education associated with the provision of prosthetic and orthotic care, rehabilitation engineering, wheelchairs and therapy, and related areas.

## ISPO's mission

To improve the quality of life for persons who may benefit from the rehabilitation practice of prosthetic, orthotic, mobility and assistive technology by:

- Promoting multidisciplinary practice
- Facilitating professional education to improve quality care
- Promoting research and evidence-based practice
- Facilitating innovative and appropriate technology
- Fostering international collaboration and consensus
- Facilitating knowledge exchange

## ISPO membership

- ISPO members are committed to make the world a place where all persons have equal opportunity for full participation in society
- Join a global network and expand your connections in the rehabilitation and mobility product community
- Keep up with the latest scientific advancements in prosthetics, orthotics, wheelchairs and rehabilitation engineering through Prosthetics and Orthotics International (POI), ISPO's official journal
- Benefit from exclusive registration rates at ISPO events, such as the ISPO World Congress, ISPO Global Educators Meeting, and national or regional events organised by ISPO Member Societies
- Enhance your career prospects through ISPO continuing professional education opportunities
- Advocate for best practices, standards, and awareness on key issues to governments and non-governmental organisations
- Actively contribute to the development of ISPO by volunteering in committees and working groups



# ISPO Community

... moving beyond physical disability together

## ISPO education & accreditation

ISPO education activities include the development of standards, the accreditation of prosthetics and orthotics training programmes and the formulation of policies relating to primary education for prosthetic and orthotic occupations.

ISPO offers accreditation to training centers delivering prosthetics and orthotics programmes.

**ISPO Learn** – learning platform where ISPO members can access diverse learning content and gain CPD points at their own convenience.

**ISPO Community Platform** – place where ISPO members can get in touch with other ISPO members, share their thoughts and knowledge.







**ISPO**

**19<sup>TH</sup> WORLD CONGRESS  
Guadalajara, Mexico**

**24 - 27 April 2023**

# Top five reasons to participate

1. Expand your knowledge
2. Get an overview of the global assistive technology market
3. Be part of the ISPO community, meet leadership and network
4. Experience the uniqueness of the ISPO World Congress
5. Explore the attractiveness of Mexico



# Contact us

## ISPO World Congress Project Team

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## Registration

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E-mail: [helpdeskispo2023@btamericas.com](mailto:helpdeskispo2023@btamericas.com)

## Society office

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