

#ISPO
congress19

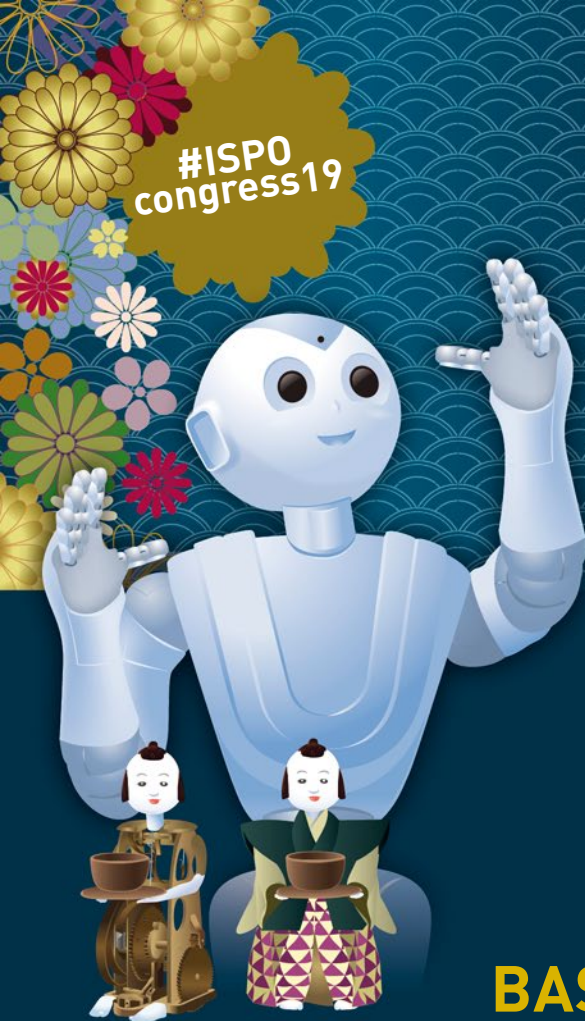


ISPO 17th WORLD CONGRESS

Kobe Convention Center
Kobe, Hyogo, Japan

日本 神戸

5-8 Oct 2019



BASICS TO BIONICS

FINAL PROGRAMME



INTERNATIONAL
SOCIETY FOR PROSTHETICS
AND ORTHOTICS

www.ispo-congress.com

A full-page photograph of Markus Rehm, a male athlete, running on a red track. He is wearing a black short-sleeved athletic shirt with a small Nike logo on the right shoulder and black shorts. He has a prosthetic right leg, which is black and yellow, with the 'ÖSSUR' logo printed vertically on the lower part. He is looking down with a focused expression.

Markus Rehm,
world-renowned
Team Össur athlete
and prosthetist

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5 - 8 October 2019



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INTERNATIONAL
SOCIETY FOR PROSTHETICS
AND ORTHOTICS

ISPO

International Society for
Prosthetics and Orthotics
22-24 Rue du Luxembourg,
1000 Brussels, Belgium
ispo@ispoint.org
www.ispoint.org



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ISPO 17th World Congress

Organisers

ISPO – INTERNATIONAL
SOCIETY FOR PROSTHETICS
AND ORTHOTICS



In collaboration with:

ISPO JAPAN



In co-organisation with:

SCIENCE COUNCIL OF JAPAN



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JAOT – JAPANESE ASSOCIATION OF
OCCUPATIONAL THERAPISTS



JPTA – JAPANESE PHYSICAL THERA-
PY ASSOCIATION



RESJA – REHABILITATION
ENGINEERING SOCIETY OF JAPAN



JSRPD – JAPANESE SOCIETY FOR
REHABILITATION PERSONS WITH
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Welcome Message

ISPO President

On behalf of ISPO, I would like to welcome you to the 17th World Congress in Kobe in 2019. The biennial World Congress is again the highlight for all who deal with rehabilitation and assistive technology, in particular prosthetics and orthotics, wheelchairs and mobility devices. I am positive, that this Congress in Kobe is exciting time for all, as we continue to develop everything from new service models to new technological solutions while we remain focused on the people who benefit from our services. Some of the significant progress that has taken place since our last meeting to assist individuals with disabilities at a global level as well as in many places at a local and individual level is included for presentation in the numerous keynotes, symposia, instructional courses, free paper and poster presentations.

'Basics to Bionics' captures the breadth of the Congress in every aspect and the scientific sessions as well as the exhibition expand this theme. The exhibition also highlights new technological developments and robotics in use in rehabilitation and assistive technology.

The Congress has something for everyone: for service users, for the ISPO community and the broader rehabilitation and assistive technology community as well as industry.

ISPO welcomes you in Kobe.

Friedbert Kohler OAM

ISPO President
Chair, ISPO 17th World Congress

World Congress Committee

Friedbert Kohler, Chair

Takaaki Chin, Vice-chair

Rajiv Hanspal

Edward Lemaire

Dick Plettenburg, Scientific
Committee Chair

Shin Sasaki

Terry Supan, Treasurer





Welcome Messages

Scientific Committee

Dick Plettenburg, Chair

Mariette Deist

Stefania Fatone

Pamela Gallagher

Kerstin Hagberg

Jacqueline Hebert

Toshiki Kobayashi

Sumiko Yamamoto

Congress Scientific Committee Chair

'Basics to Bionics', the theme of the ISPO 17th World Congress, perfectly stretches the breadth of ISPO, and underlines the unique multidisciplinary nature of ISPO World Congresses. The World Congress brings together all disciplines involved in rehabilitation. Its scientific programme draws attention to each of these disciplines, as well as to their collaboration. The programme includes podia for keynote speakers, symposia, instructional courses, free papers, posters, and case study presentations. It highlights the cutting edge state of the art in prosthetics and orthotics and tries to look beyond current horizons, with the aim to inspire delegates to work together to create a world where individual rehabilitation needs can be met. The scientific programme offers a unique platform to interact with experts from around the world, and to learn from different professional perspectives.

It is my pleasure to welcome you all to the ISPO 17th World Congress!

Get informed! Get inspired! Get involved!

Dick Plettenburg
Scientific Committee Chair, ISPO 17th World Congress





Local Organising Committee Chair

At the ISPO 17th World Congress in Kobe, discussions will be held on the application of P&O, rehabilitation engineering and assistive technology with the goal of improving the quality of life for people with disabilities. We are honoured to organise this event as its Japanese host. Of particular interest should be the Robotics Technology and Devices Exhibition, which is held parallel to the Congress. I am confident that the 2019 World Congress in Kobe will not only help make Asia's efforts and initiatives in the area of P&O, rehabilitation engineering, and assistive technology widely known in Japan but also provide a golden opportunity to call the attention of stakeholders worldwide to the excellent technology and devices developed in Japan.

Kobe is one of Japan's leading tourist cities and famous for such gourmet delicacies as Kobe beef and sushi. Numerous World Heritage sites are easily accessible nearby. I'm confident that this Congress will afford you a fantastic opportunity to see Japan firsthand and gain an insight into its timeless appeal.

I welcome you to Kobe and wish you a pleasant time experiencing Japan.

Takaaki Chin
President, ISPO Japan
Chair, Local Organising Committee
Vice-chair, ISPO 17th World Congress

Local Organising Committee

Takaaki Chin, Chair
Shin Sasaki, Vice-chair
Seishi Sawamura
Eiji Tazawa
Futoshi Wada
Masao Watanabe
Sumiko Yamamoto





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AND ORTHOTICS

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www.ispoint.org

IN OFFICIAL RELATION WITH:



**World Health
Organization**



Activities of ISPO International

ISPO Stand

Visit us in Exhibition Hall 3 and meet with ISPO leadership, World Congress 2019 and 2021 representatives, and head office staff. Find out about ISPO programmes, membership and events.

WHEN: DURING EXHIBITION OPENING HOURS

WHERE: STAND NUMBER E21, EXHIBITION HALL 3

International Community Lounge (ICL)

Learn about projects and developments from ISPO Member Societies and partners.

WHEN: DURING EXHIBITION OPENING HOURS

WHERE: STAND NUMBER C19, EXHIBITION HALL 3

ISPO World Assembly

ISPO's official assembly of all members and Member Societies.

WHEN: MONDAY, 7 OCTOBER, 11:45 - 12:45

WHERE: MAIN CONFERENCE ROOM,
EXHIBITION HALL 2





Abstract Reviewers



Alberto Esquenazi
Aline Vrieling
Allen Heinemann
Allen Ingersoll
Andrea Ikeda
Ann Simon
Anton Johannesson
Arezoo Eshraghi
Arjan Buis
Benjamin Darter
Brian Kaluf
Chad Duncan
Clemens Rommers
Cleveland Barnett
Corry van der Sluis
Dan Blocka
Daniel Heitzmann
David Rusaw
Deirdre Desmond
Dick Plettenburg
Edsko Hekman
Elaine Owen
Eric Lamberg
Futoshi Wada
Gerasimos Bastas
Gert-Uno Larsson
Gerwin Smit
Glenn Klute
Goeran Fiedler
Gregory Halford
Gustav Jarl
Hamilton Pharaoh
Han Houdijk
Harmen van der Linde

Hassan Saeedi
Helen Lindner
Helena Burger
Hiroaki Hobara
Hiroshi Hashimoto
Ignacio Gaunaud
Jaclyn Sions
Jacqueline Hebert
Jan Andrysek
Jim Richards
JinBok Yi
Juan Ramírez
Junji Katsuhira
Karen Andrews
Kengo Ohnishi
Kenton Kaufman
Kerstin Hagberg
Klaas Postema
Kristin Carnahan
Laura Coffey
Laura Miller
Leigh Clarke
Liesel Ennion
Liselotte Hermansson
Maja Mlakar
Margaret Hodge
Marie Eriksson
Marianne Deist
Martin Twiste
Matthew J. Major
Merel Brehm
Meta Eek
Michelle Hall
Mokhtar Arazpour

Morten Tange Kristensen
Nachiappan Chockalingam
Nancy Dudek
Nicole Soltys
Pamela Gallagher
Paul Charlton
Peter Kyberd
Rajiv Hanspal
Rebecca Stine
Rickard Bränemark
Ronald Bos
Roy Bowers
Rune Nilsen
Saffran Möller
Sarah Day
Saran Anderson
Sheila Hubbard
Shin Sasaki
Siegmar Blumentritt
Silvia Raschke
Sofia Catalina Henao Aguirre
Stefania Fatone
Stephen Wegener
Steven Gard
Sumiko Yamamoto
Susan Kapp
Susan Spaulding
Takenobu Inoue
Toshiki Kobayashi
Wendy Hill
Wesley Pryor
Yoshihiro Ehara
Zahra Safaeepour





Practical Information

Venue

Kobe Convention Center
www.kobe-cc.jp/en

6-9-1/ 6-11-1, Minatojima-nakamachi, Chuo-ku,
Kobe-shi, Hyogo, 650-0046, Japan

Conference Center: Tel: +81-78-302-5200
Exhibition Halls: Tel: +81-78-302-1020

Opening Hours

Registration and Information Desk (Foyer, Exhibition Hall 2)

FRIDAY, 4 OCTOBER	15:00 - 18:00
SATURDAY, 5 OCTOBER	07:30 - 18:00
SUNDAY, 6 OCTOBER	08:00 - 17:00
MONDAY, 7 OCTOBER	08:30 - 17:00
TUESDAY, 8 OCTOBER	08:30 - 14:00

Exhibitors are required to pick up their badges on Friday, 4 October between 12:00 and 15:00.

Congress (Exhibition Hall 2 and Conference Center)

SATURDAY, 5 OCTOBER	09:20 - 17:45
SUNDAY, 6 OCTOBER	09:15 - 17:45
MONDAY, 7 OCTOBER	09:15 - 17:45
TUESDAY, 8 OCTOBER	09:15 - 16:45

Exhibition (Exhibition Halls 2 and 3)

SATURDAY, 5 OCTOBER	12:00 - 19:00
SUNDAY, 6 OCTOBER	09:00 - 18:00
MONDAY, 7 OCTOBER	09:00 - 18:00
TUESDAY, 8 OCTOBER	09:00 - 16:00

What's included in the Registration Categories

Full congress registration (applies to regular and student registration)

- Access to the Opening Ceremony, held on Saturday, 5 October and the Closing Ceremony, held on Tuesday, 8 October
- Access to all sessions, such as keynote lectures, symposia, instructional courses, free paper sessions and exhibitor workshops
- Access to the exhibition halls and posters area during opening hours
- Access to the Welcome Reception, held on Saturday, 5 October in the exhibition halls
- Official congress badge and bag with congress programme materials

One day congress registration includes the above on the selected day only.

Exhibition day pass (valid on the selected day only)

- Access to the exhibition halls and posters area during opening hours
- Access to exhibitor workshops
- Saturday day pass includes: Access to the Opening Ceremony
- Tuesday day pass includes: Access to Closing Ceremony
- Exhibition day pass holders are NOT admitted to the scientific sessions or the Welcome Reception, held on Saturday, 5 October in the exhibition halls



Practical Information



Name Badges

All participants must wear their name badges when attending any congress events. Please note that only participants wearing congress badges are entitled to attend the scientific sessions.

For lost badges, please visit the onsite registration desk. A personal picture ID (passport, driver's licence, etc.) must be shown in order to receive a replacement delegate badge and an administrative fee of 2,000 JPY per badge is payable in cash.

Certificate of Attendance

Congress delegates will receive a certificate of attendance when collecting their name badge. The certificate lists the amount of ISPO Continuous Professional Development Points given by the ISPO Continuous Professional Development Committee. This certificate can be used to claim CPD credits to national and international CPD certification or accreditation bodies. Delegates can only claim CPD credits for those hours actually spent in the live educational activity.

Cloak

A cloak room / coat check is not available at the Kobe Convention Center. Please do not bring your luggage to the venue. Since there is no storage space available, we recommend that you store your luggage at your booked hotel.

Catering

Food and beverages are available for purchase in the exhibition halls during exhibition opening hours.

Lunch

If you **pre-ordered** lunches during online registration, you will receive lunch tickets when picking up your name badge. Exchange the lunch ticket of the respective day for your lunch box in the catering area, Exhibition Hall 3. Note: You will not be able to change your lunch selection.

If you have **not pre-ordered** lunches during online registration, you can purchase a lunch box in Exhibition Hall 3. Note: The number of lunch boxes for onsite sales is limited and is available on a first-come first-served basis.

SATURDAY, 5 OCTOBER	12:00 - 13:30
SUNDAY, 6 OCTOBER	11:30 - 13:30
MONDAY, 7 OCTOBER	11:30 - 13:30
TUESDAY, 8 OCTOBER	11:30 - 13:30

Refreshments

Tea and coffee is provided complimentary in the catering areas located in the exhibition halls during the following refreshment breaks:

SATURDAY, 5 OCTOBER	15:45 - 16:30
SUNDAY, 6 OCTOBER	10:30 - 10:45 15:45 - 16:30
MONDAY, 7 OCTOBER	10:30 - 10:45 16:00 - 16:30
TUESDAY, 8 OCTOBER	10:30 - 10:45



e-Station

sponsored by  **ÖSSUR.**

For the very first time there will be an e-Station where work spaces are provided and delegates have the possibility to charge their devices.

Language and Interpretation

The official language of the congress is English, however simultaneous interpretation into Japanese is available for all scientific sessions. Exhibitor Workshops not included.

Speaker Ready Desk

Presenters are required to visit the Speaker Ready Desk at least 3 hours before their presentation time. They need to bring their presentation file on a USB key.

Changes to the Programme

The organisers of the congress accept no responsibility for changes to the programme schedule once this booklet has been sent to print. Session changes will be announced through the congress app.

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Prizes and Awards

Forchheimer Prize

SUNDAY, 6 OCTOBER

11:30 – 11:45

At every ISPO World Congress, the International Society for Prosthetics and Orthotics awards the Forchheimer Prize 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 event. The prize has been established by the Forchheimer family to honour the memory of Sylvia and Alfred Forchheimer. The ISPO Scientific Committee has unanimously selected that the winner of the 2019 Forchheimer Prize is the following paper:

Long-term results of early myoelectric prosthesis fittings: A prospective case-control study

**Lis Sjöberg
Helen Lindner
Liselotte Hermansson**

Prosthetics and Orthotics International, vol. 42, 5: pp. 527–533 (2018)



Brian & Joyce Blatchford Team Prize for Innovation

TUESDAY, 8 OCTOBER

11:30 – 11:45

Established by the Blatchford Family in memory of Mr. Brian Blatchford and Mrs. Joyce Blatchford, this prestigious prize is awarded to a team who has an outstanding record of innovative achievement in the field of prosthetics and/or orthotics. The Blatchford Award 2019 has been awarded to the project ‘Coapt Engineering’.

The winning team is composed of:

Mr. Blair Lock
Co-founder and CEO of Coapt Engineering, USA

Mr. Levi Hargrove
Co-founder of Coapt Engineering, USA

Mr. Todd Kuiken
Co-founder of Coapt Engineering, USA

World Congress Best Paper and Poster Prizes

TUESDAY, 8 OCTOBER

16:00 – 16:45

Best Paper and Poster Prizes are awarded to five presenting authors of free papers/posters during the Closing Ceremony.



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Opening Ceremony

SATURDAY, 5 OCTOBER, 09:20 – 12:00, WORLD HALL

The Presidents of ISPO Japan and ISPO International will officially open the ISPO 17th World Congress. Various dignitaries will welcome the delegates. Following, the Knud Jansen and IC2A Lectures will be presented.

Knud Jansen Lecture

David Constantine

AT Changed My Life – Practical Solutions and Education Enabling a Lifetime of Human Potential

David is the co-founder of Motivation, a charity which works to improve the quality of life of people with mobility impairment. His inspiration to design wheelchairs started when he joined IBM and met industrial designers after completing his degree in Computing & Accounting/ Finance. He went on to do his MA in Industrial Design at the Royal College of Art, where he, alongside Simon Gue, designed an award-winning wheelchair for developing countries.

Because David himself is a wheelchair user, due to a diving accident in 1982 when he was 21, his work understandably has a deep personal significance. In 2010, he was awarded an MBE by the Queen for his services to the disabled.

IC2A Inspirational Lecture

Desmond Tong

Stronger

Desmond is a transtibial amputee since 1999 and possesses a strong passion for prosthetics and para sports. As a user and an athlete, he benefits from prosthetics innovations, which support him remarkably in the challenges of sports and day-to-day living. He obtained a degree in Prosthetics & Orthotics from the United Kingdom and experiences satisfaction in providing prosthetics & orthotics solutions for patients ever since.





Keynotes

Prof. Eiichi Saitoh

Activity Assistive Robotics from the View Point of Rehabilitation Medicine

SUNDAY, 6 OCTOBER, 10:45-11:30
MAIN CONFERENCE ROOM,
EXHIBITION HALL 2

Professor Eiichi Saitoh (MD, DMSc) is a certified psychiatrist, Executive President of Fujita Health University, and Professor and Chairman of the Department of Rehabilitation Medicine I at the Fujita Health University School of Medicine in Aichi, Japan. He graduated from Keio University in 1980 and received his DMSc (PhD) from Keio University in 1991.

Professor Saitoh is also currently Adjunct or Visiting Professor at Johns Hopkins University (Baltimore, USA), China Medical University (Shenyang, China), Shanghai University of Medicine and Health Science (Shanghai, China), Sun Yat-Sen

University (Guangzhou, China), Kyoto Prefectural University of Medicine, Tokyo Medical and Dental University as well as Executive Board Member of the National Center for Geriatrics and Gerontology (Japan).

Professor Saitoh is specifically interested in dysphagia, robotics, orthosis, motion analysis, locomotion, exercise science and psychology. He holds several important positions in the Japanese rehabilitation medicine industry, and has been awarded several prizes for his research.

Dr. Deirdre Desmond

Complex Entanglements: People and Assistive Technologies

MONDAY, 7 OCTOBER, 10:45-11:30
MAIN CONFERENCE ROOM,
EXHIBITION HALL 2

Deirdre Desmond, PhD, is a Senior Lecturer in the Department of Psychology and member of the Assisting Living & Learning (ALL) Institute at Maynooth University in Maynooth, Ireland. She is also co-director of the Dublin Psychoprosthetics Group.

Deirdre is currently a member of the ISPO Scientific Committee and was formerly an associate editor for the Prosthetics and Orthotics International (POI) journal. Her research focuses on psychological adjustment to illness, injury, and disability as well as rehabilitation, self-management, and psychosocial aspects of assistive technology. She completed BA and PhD degrees in psychology at Trinity College Dublin before joining the academic staff at Maynooth University.





Dr. Max Ortiz Catalán

Osseo-neuromuscular Integration of Prosthetic Limbs and Neurorehabilitation from Phantom Limb Pain

TUESDAY, 8 OCTOBER, 10:45-11:30
MAIN CONFERENCE ROOM,
EXHIBITION HALL 2

Dr. Max Ortiz Catalán, PhD, led the development of the first bionic arm that could be directly connected to a patient's bone, nerves, and muscles. In addition, he developed a novel treatment for phantom limb pain that has helped chronic sufferers for whom no other treatments were effective.

Dr. Ortiz Catalán is an Associate Professor at the Department of Electrical Engineering, Chalmers University of Technology, Sweden, where he founded and currently leads the Biomechanics and Neurorehabilitation Laboratory. He works in close collaboration with Sahlgrenska University Hospital, and serves as a Research Director of Integrum

AB, both in Gothenburg, Sweden.

His research, for which he received several prestigious awards, includes bioelectric signals acquisition electronics (analog and digital), bioelectric signal processing and machine learning algorithms for decoding motor volition and control, neuromuscular interfaces, neurostimulation for sensory feedback, bone-anchored prostheses and osseointegration as well as virtual and augmented reality for neuromuscular rehabilitation and the treatment of phantom limb pain.



Programme Overview

Saturday, 5 October

Explanation

1.1.1 etc: Abstracts available in the Abstract Book ordered by Programme Codes

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

Developing countries/
Education

Outcome
measurements/
Psychosocial issues/
Quality of life

Rehabilitation
medicine & surgery

Other

Time	Main Conference Room Exhibition Hall 2	Room 2A Exhibition Hall 2	Room 3B Exhibition Hall 2	Room 501 Conference Center
09:20	1.0 Opening Ceremony, World Hall Knud Jansen Lecture – David Constantine: AT Changed My Life – Practical Solutions and Education Enabling a Lifetime of Human Potential IC2A Inspirational Lecture – Desmond Tong: Stronger			
12:00	Exhibition Opening Exhibit and Poster Viewing			
13:00	1.1.1 SYM: Education Footprint of P&O School Establishment in South East Asia <i>Eiji Tazawa</i> <i>Shin Sasaki</i>	1.1.2 BIC: Orthotics – Lower Limb Orthopaedic Osteoarthritis of the Knee Joint: Individual Orthotic Treatment Concepts <i>Thomas Schmalz</i> <i>Supported by Ottobock</i>	1.1.3.a-d FPS: Orthotics – Lower Limb Orthopaedic Foot <i>David Rusaw</i> <i>Miki Ohgushi</i>	1.1.4.a-g FPS: Prosthetics – Lower Limb Transtibial Gait <i>Han Houdijk</i> <i>Atsuko Mitumoto</i>
14:15				
14:30	1.2.1 SYM: Orthotics – Lower Limb Neurological Can Orthoses Play a Therapeutic Role in Early Post-Stroke Management? <i>Stefania Fatone</i>	1.2.2.a-d FPS: Orthotics – Lower Limb Orthopaedic Osteoarthritis <i>Toyoko Asami</i>	1.2.3 SYM: Developing Countries Identifying Appropriate Technologies for P&O Services Worldwide: Balancing Bio-psychosocial Issues and User-needs Assessment with Engineering Analysis <i>Sisary Kheng</i>	1.2.4 BIC: Prosthetics – Lower Limb Transfemoral Prosthetic Alignment: Biomechanical Basics and Clinical Approach for Lower Limb Prostheses <i>Malte Bellmann</i> <i>Supported by Ottobock</i>
15:45	Exhibit and Poster Viewing – meet Poster Presenters Refreshment Break			
16:30	1.3.1 AIC: Orthotics – Lower Limb Neurological Guideline-based Orthotic Treatment in Neuromuscular Disorders <i>Fieke Koopman</i>	1.3.2.a-g FPS: Orthotics & Prosthetics Digital Technologies <i>Steven Hale</i> <i>Keisuke Kon</i>	1.3.3 SYM: Education Physical Disability in Movies and the Media: Prejudices, Patterns and Changing Perceptions <i>Tina Hittenberger</i>	1.3.4.a-g FPS: Prosthetics – Lower Limb Ankle & Foot Gait <i>Hans Rietman</i> <i>Kazunori Sasaki</i>
17:45	Welcome Reception in the Exhibition Halls			
19:00				

This programme is subject to change



Basics to Bionics

Room 502 Conference Center	Room 504/505 Conference Center	Room 401 Conference Center	Room 403 Conference Center	Exhibitor Workshop Room, Exhibition Hall 3	Time
					09:20
					12:00
1.1.5.a-g FPS: Prosthetics – Upper Limb Control <i>Jon Sensinger</i> <i>Chiaki Morita</i>	1.1.6.a-f FPS: Outcome Measurements Population <i>Akio Nakagawa</i> <i>Pamela Gallagher</i>	1.1.7 AIC: Paediatrics Management of Congenital Lower Limb Deficiency – Changes in Practice Secondary to Developments in Prosthetic Technology <i>Rajiv Hanspal</i>	1.1.8 SYM: Seating & Wheelchair Current Status, Challenges & Suggestions to Develop Wheelchair Services in Developing Countries in Asia <i>Uthpala Mithiran</i>	Össur It's in my hands – everyday life structured by means of technology and training	12:15
					13:00
				Össur RHEO KNEE® XC & PROPRIO FOOT®, dynamic solution innovations for an optimal functional outcome	13:15
					14:15
1.2.5.a-f FPS: Prosthetics – Lower Limb Transfemoral Socket <i>Kazuhiro Sakai</i> <i>Tjerk de Ruiter</i>	1.2.6.a-g FPS: Outcome Measurements Mobility <i>David Boone</i> <i>Yasuhiko Hatanaka</i>	1.2.7.a-e FPS: Rehabilitation Medicine & Surgery Lower Limb Surgery <i>Gert-Uno Larsson</i> <i>Masazumi Mizuma</i>	1.2.8 AIC: Sports & Physical Activity The Collaboration of Prosthetic Design, Fitting and Training to Maximize Athletic Performance <i>Robert Gailey</i> <i>Supported by Össur</i>	Ottobock TR-fitting and training with pattern recognition based control	14:30
					15:15
				ALLARD INT State of the Art in NEURO ORTHOTIC TREATMENT	15:30
					16:15
1.3.5.a-e FPS: Prosthetics – Lower Limb Transfemoral Socket <i>Anton Johannesson</i> <i>Shin Sakai</i>	1.3.6.a-e FPS: Outcome Measurements Gait and Wearables <i>Jenny Utbult</i> <i>Yoichi Shimada</i>	1.3.7 BIC: Rehabilita- tion Medicine & Surgery Quality Standards in Upper and Lower Limb Prosthetics: A New Way Towards Structured Fitting Processes <i>Merkur Alimusaj</i>	1.3.8 SYM: Seating & Wheelchair Integrating Wheelchair Service Training in P&O Training Curriculum <i>David Constantine</i>	Ottobock Clinical gait observation, deviations & intervention – an interdis- ciplinary approach	16:30
					17:15
					17:45
					19:00

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programme details:
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Programme Overview

Sunday, 6 October

Explanation

1.1.1 etc: Abstracts available in the Abstract Book ordered by Programme Codes

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

Developing countries/
Education

Outcome
measurements/
Psychosocial issues/
Quality of life

Rehabilitation
medicine & surgery

Other

Time	Main Conference Room Exhibition Hall 2	Room 2A Exhibition Hall 2	Room 3B Exhibition Hall 2	Room 501 Conference Center
09:15	2.1.1 AIC: Prosthetics – Lower Limb Transfemoral Promoting Life-like Movement Strategies <i>Robert Gailey</i> <i>Supported by Össur</i>	2.1.2.a-f FPS: Orthotics – Lower Limb Neurological Gait <i>Paul Charlton</i> <i>Shozo Tokuda</i>	2.1.3 SYM: Developing Countries Providing Resources, Humanitarian Aids and P&O Services in Troubled Areas <i>Alf Reuter</i> <i>Klaus-Jürgen Lotz</i>	2.1.4.a-g FPS: Prosthetics – Lower Limb Transfemoral Knee <i>Merkur Alimuszaj</i> <i>Toyokazu Takeuchi</i>
10:30	Refreshment Break			
10:45	2.0 Keynote Lecture: Prof. Eiichi Saitoh: Activity Assistive Robotics from the View Point of Rehabilitation Medicine			
11:30	Presentation of the Forchheimer Prize			
11:45	Exhibit and Poster Viewing			
13:00	2.2.1 SYM: Assistive Technologies Against Ageing Society <i>Chapal Khasnabis</i>	2.2.2.a-e FPS: Orthotics – Lower Limb Robotics <i>Ed Lemaire</i> <i>Shigeru Sonoda</i>	2.2.3 BIC: Education Collaboration Leads to ISPO Accreditation <i>Robin Seabrook</i>	2.2.4 AIC: Prosthetics – Lower Limb Transfemoral Basics Of Advanced Socket Design In Transfemoral Prosthetics <i>Michael Schaefer</i> <i>Supported by Ottobock</i>
14:15				
14:30	2.3.1 SYM: Assistive Technologies Against Ageing Society <i>Chapal Khasnabis</i> <i>Takenobu Inoue</i>	2.3.2 BIC: Orthotics – Lower Limb Orthopaedic Orthopedic Technology 4.0 – Digital Creation of 3D-printed Ortheses for Immobilization, Storage or Correction <i>Tara Nicoll</i>	2.3.3.a-g FPS: Education <i>Bryan Malas</i> <i>Kyoko Kamada</i>	2.3.4 SYM: Prosthetics – Lower Limb Transfemoral Scientific Explorations Regarding Osseointegration to Inform Clinical Practice and Support Consumer Decision Making <i>Sally Cavenett</i>
15:45	Exhibit and Poster Viewing – meet Poster Presenters Refreshment Break			
16:30	2.4.1 AIC: Outcome Measurements Mobile Technologies, Evidence-based Healthcare and Your Clinical Practice: Demonstrating the Value of Prosthetic Care <i>Robert Gailey</i>	2.4.2.a-g FPS: Orthotics – Lower Limb Orthopaedic AFO <i>Clemens Rommers</i> <i>Akio Tsubahara</i>	2.4.3 SYM: Developing Countries Learnings from the AT2030 Programme for Service Delivery in LMICs <i>Catherine Holloway</i>	2.4.4.a-g FPS: Prosthetics – Lower Limb Transtibial Feet <i>Matthew Major</i> <i>Yusuke Ohno</i>
17:45	Exhibit and Poster Viewing			
19:00	Congress Party			
21:00				

This programme is subject to change



Basics to Bionics

Room 502 Conference Center	Room 504/505 Conference Center	Room 401 Conference Center	Room 403 Conference Center	Exhibitor Workshop Room, Exhibition Hall 3	Time
2.1.5 BIC: Prosthetics – Upper Limb Adaptive Silicone Technology in Developing Countries <i>Akouetevi Aduayom-Ahego</i>	2.1.6 SYM: Growing the Evidence Base in P&O: A Dialogue with the Prosthetics and Orthotics International Editorial Team <i>Stefania Fatone</i>	2.1.7.a-f FPS: Education Guidelines <i>Chad Duncan Kenta Tonai</i>	2.1.8.a-e FPS: Seating & Wheelchair <i>Bill Miller Takeshi Shigenari</i>	Ottobock Prosthetic feet: How new designs / concepts are influencing the fitting outcome	09:00
					10:30
					10:45
					11:30
					11:45
				Vorum CAD / CAM & 3D Printing: Finding Your Own Path Towards a Modernized Practice	12:00
2.2.5.a-f FPS: Prosthetics – Upper Limb 3D Printing <i>Jonathan Kuniholm Takanori Higashihara</i>	2.2.6.a-f FPS: Prosthetics – Lower Limb Transtibial Socket <i>Ruud Leijendekkers Satoshi Taki.</i>	2.2.7.a-g FPS: Rehabilitation Medicine & Surgery Epidemiology <i>Jennifer Ernst Nobuhiko Haga</i>	2.2.8 BIC: Psychosocial Issues / Quality of Life Peer Support for Amputees in the Hospital and in the Community <i>Dieter Jüptner</i>		14:00
2.3.5.a-g FPS: Prosthetics – Lower Limb Ankle & Foot General <i>Saeed Zahedi Yoshihiro Ehara</i>	2.3.6.a-d FPS: Orthotics – Upper Limb <i>Clemens Rommers Eiji Tazawa</i>	2.3.7 SYM: Orthotic Reporting Guide <i>MS Wong</i>	2.3.8.a-g FPS: Paediatrics <i>Meta Nyström-Eek Sayaka Fujiwara</i>	Ottobock The new C-Brace®. Step into your future.	14:30
					15:15
				Becker Orthopedic Triple Action® Overview: Theory of Operation and Basic Applications	15:30
					16:15
2.4.5.a-f FPS: Prosthetics – Lower Limb Transfemoral Rehab & Sport <i>Robert Gailey Yuji Nagakura</i>	2.4.6 SYM: Orthotics – Spinal Application of 3D Assessment and Orthotic Design for the Patients with Adolescent Idiopathic Scoliosis <i>MS Wong</i>	2.4.7 AIC: Rehabilitation Medicine & Surgery The Single Stage Osseointegration Rehabilitation Program: Reducing Rehab From 18 Months to 2 Months with Improved Outcomes <i>Munjed Al Muderis</i>	2.4.8.a-g FPS: Paediatrics <i>Iris van Wijk Naohisa Kikuchi</i>	Össur Unloader One® X – the newest effortless orthotic device for effective knee OA management	16:30
					17:15
				Breg Bracing as a non-surgical treatment of OA patients	17:30
					18:00
					19:00
					21:00

Programme Overview

Monday, 7 October

Explanation

1.1.1 etc: Abstracts available in the Abstract Book ordered by Programme Codes

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

Developing countries/
Education

Outcome
measurements/
Psychosocial issues/
Quality of life

Rehabilitation
medicine & surgery

Other

Time	Main Conference Room Exhibition Hall 2	Room 2A Exhibition Hall 2	Room 3B Exhibition Hall 2	Room 501 Conference Center
09:15	3.1.1 SYM: Orthotics – Lower Limb Neurological Ankle-Foot Orthoses: Considerations and Perspectives on the Design and Timing of Provision <i>Corien Nikamp</i>	3.1.2.a-g FPS: Prosthetics – Lower Limb Transfemoral Knee <i>Mitsunori Toda</i> <i>Steven Allen Gard</i>	3.1.3 SYM: Education Importance of Government and Non-gov. Collaboration for Developing Higher Educational Competences in Junior Prosthetic Orthotic Professionals in Developing Countries <i>Stephney Weerasinghe</i>	3.1.4 AIC: Prosthetics – Lower Limb Transtibial State-of-the-art Technologies for Residuum Volume and Shape Monitoring: Innovative Solutions and Challenges <i>Elena Seminati</i>
10:30	Refreshment Break			
10:45	3.0 Keynote Lecture: Dr. Deirdre Desmond: Complex Entanglements: People and Assistive Technologies			
11:30				
11:45	ISPO World Assembly			
12:45	Exhibit and Poster Viewing			
13:15	3.2.1 SYM: Sports & Physical Activity Prostheses and Sports for Individuals with Lower Limb Amputation <i>Hiroaki Hobara</i>	3.2.2.a-e FPS: Orthotics – Lower Limb Neurological Gait <i>Merel Brehm</i> <i>Koji Ohata</i>	3.2.3 SYM: Education Orthotist/ Prosthetist Competency Assessment Using a Portfolio Method: an Exploration of a Novel, Best Practice Approach <i>Leigh Clarke</i>	3.2.4.a-e FPS: Prosthetics – Lower Limb Transtibial Rehabilitation <i>Han Houdijk</i> <i>Shoko Nireki</i>
14:30				
14:45	3.3.1 SYM: Prosthetics – Lower Limb Transtibial Stepping Forward: Focusing on Research with the Older Prosthesis User <i>Matthew J. Major</i>	3.3.2.a-f FPS: Orthotics – Lower Limb Neurological AFO <i>Christopher Hovorka</i> <i>Chikara Aoki</i>	3.3.3 AIC: Education Optimizing Strategies for Literature Searching in Prosthetics & Orthotics <i>David Rusaw</i>	3.3.4.a-g FPS: Prosthetics – Lower Limb Transfemoral Osseointegration <i>Laurent Frossard</i> <i>Keiichi Tsukishiro</i>
16:00	Exhibit and Poster Viewing Refreshment Break			
16:30	3.4.1 SYM: Outcome Measurements Scientific Approaches to Outcome Measurement for Basic to Advanced Upper Limb Prostheses <i>Jacqueline Hebert</i>	3.4.2 AIC: Orthotics – Lower Limb Neurological Optimization of Treatment Outcome in Ankle-Foot Orthotics <i>Merel Brehm</i>	3.4.3 SYM: Developing Countries From Rehabilitation to Societal Integration <i>Marc Zlot</i>	3.4.4.a-f FPS: Footwear <i>Sicco Bus</i> <i>Masao Watanabe</i>
17:45	Exhibit and Poster Viewing			
18:00				

This programme is subject to change



Basics to Bionics

Room 502 Conference Center	Room 504/505 Conference Center	Room 401 Conference Center	Room 403 Conference Center	Exhibitor Workshop Room, Exhibition Hall 3	Time
3.1.5.a-g FPS: Prosthetics – Upper Limb Evaluation <i>Corry van der Sluis Junpei Oba</i>	3.1.6.a-g FPS: Psycho- social Issues/Quality of Life Community Participation <i>Helena Burger Kazuto Handa</i>	3.1.7 BIC: Paediatrics Outcome Measures in Rehabilitation of Child Amputees <i>Özlem Ülger</i>	3.1.8.a-f FPS: Education <i>Anthony Francis Hiroshi Otsuka</i>	stamos+braun prothesenwerk 3D-printing in the orthotic / prosthetic field – introducing silicone print technology and the 3D-printed hand THREEDExflex	09:00
					10:30
					10:45
					11:30
					11:45
					12:45
				Ottobock Varos and Vacuum – two approaches for volume management	13:00
3.2.5.a-e FPS: Orthotics – Spinal <i>Franz Landauer Mitsuhiro Ochi</i>	3.2.6.a-f FPS: Psychosocial Issues/Quality of Life Prosthetics <i>Sarah Anderson Megumi Shimodazono</i>	3.2.7 BIC: Rehabilitati- on Medicine & Surgery Interdisciplinary Outpatient Clinic for Amputees with Residual Limb Pain (RLP) <i>Gunther Felmerer</i>	3.2.8 AIC: Orthotics – Spinal Enabling Hand Function and Creating Independence for People with SCI on C4-C6 with Robotics and Active Orthopedic Devices <i>Sofie Woge</i>		
3.3.5.a-e FPS: Orthotics – Spinal <i>MS Wong Morio Yada</i>	3.3.6.a-g FPS: Psychosocial Issues/Quality of Life Amputation <i>Fiona Davie-Smith Takashi Nakamura</i>	3.3.7.a-g FPS: Rehabilitation Medicine & Surgery General <i>Joseph Czerniecki Futoshi Wada</i>	3.3.8.a-g FPS: Developing Countries <i>Sisary Kheng Miyauchi Hiroyuki</i>	Ottobock The inno- vative Nexgear Tango ankle joint system – functionality and fitting	15:00 15:15
					16:00
3.4.5.a-f FPS: Orthotics – Spinal <i>Nerrolyn Ramstrand Yuri Kanaoka</i>	3.4.6.a-g FPS: Psychosocial Issues/ Quality of Life General <i>Deirdre Desmond Haruki Nakamura</i>	3.4.7 BIC: Establishing Standardized Processes for Professional Ethics and Disciplinary Programs <i>Stephen Fletcher</i>	3.4.8.a-f FPS: Orthotics & Prosthetics Modeling and Fabrication <i>Michael Dillon Makoto Ninomiya</i>	Nabtesco Nabtesco ALLUX- World's First 4-Bar Microprocessor Controlled Prosthetic Knee Joint	16:15 17:00
				Andiamo Low Cost, Risk Free 3D Printing	17:15
					18:00

Programme Overview

Tuesday, 8 October

Explanation

1.1.1 etc: Abstracts available in the Abstract Book ordered by Programme Codes

SESSION FORMATS

SYM: Symposium

BIC: Basic Instructional Course

AIC: Advanced Instructional Course

FPS: Free Paper Session

CONGRESS TOPICS

Prosthetics:
Lower limb

Prosthetics:
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Orthotics:
Lower limb

Orthotics:
Upper limb/Spinal

Developing countries/
Education

Outcome
measurements/
Psychosocial issues/
Quality of life

Rehabilitation
medicine & surgery

Other

Time	Main Conference Room Exhibition Hall 2	Room 2A Exhibition Hall 2	Room 3B Exhibition Hall 2	Room 501 Conference Center
09:15	4.1.1 SYM: Rehabilitation Medicine & Surgery Enhancing Patient Specific Outcomes by Improving Amputation Level Decision Making in Patients with Peripheral Artery Disease and/or Diabetes <i>Joseph Czerniecki</i>	4.1.2 AIC: Orthotics – Lower Limb Neurological The Role of Microprocessor Controlled KAFOs: Patient Benefit and Results 6 Years After Introduction and Future Perspectives <i>Thomas Schmalz</i>	4.1.3 SYM: Developing Countries Digital Technologies for the Benefits of the Users for Equitable Access to Rehabilitation Services in Challenging Contexts <i>Jerome Canicave</i>	4.1.4 AIC: Prosthetics: Lower Limb Transfemoral The Experience of Providing Low Activity Transfemoral Prosthetic Users with Microprocessor Knees (MPK): Who Benefits? <i>Fiona Davie-Smith</i>
10:30	Refreshment Break			
10:45	4.0 Keynote Lecture: Dr. Max Ortiz Catalán: Osseo-neuromuscular Integration of Prosthetic Limbs and Neurorehabilitation from Phantom Limb Pain			
11:30	Presentation of the Brian & Joyce Blatchford Team Prize for Innovation			
11:45	Exhibit and Poster Viewing			
13:00	4.2.1 AIC: Prosthetics – Upper Limb Structured Training for Adult Users of Hand Prosthesis – Introduction to SIRS-Adult for Patients with any Type of Prosthetic Hand <i>Liselotte Hermansson</i>	4.2.2.a-e FPS: Orthotics – Lower Limb Neurological Clinical <i>Corien Nikamp</i> <i>Katsuhiro Konishi</i>	4.2.3 BIC: Rehabilitation Medicine & Surgery Special Prosthetic Requirements for Rehabilitation of Amputees with Transcutaneous, Osseointegrated Prostheses (TOPS) <i>Horst-Heinrich Aschoff</i>	4.2.4.a-g FPS: Prosthetics – Lower Limb Transtibial Socket <i>Cleveland Barnett</i> <i>Yasushi Akazawa</i>
14:15				
14:30	4.3.1 AIC: Orthotics – Lower Limb Neurological The Role of AFOs with Resistive Moment and Evaluation Methods in Gait Rehabilitation for Individuals with Stroke <i>Hiroshi Hashimoto</i>	4.3.2.a-f FPS: Sports & Physical Activity <i>Mark Geil</i> <i>Hiroaki Hobara</i>	4.3.3 SYM: Prosthetics & Orthotics in 2030 – How Will Material Science and Design Transform the Possible? <i>Catherine Holloway</i>	4.3.4.a-e FPS: Prosthetics: Lower Limb Transtibial Socket <i>Aline Vrieling</i> <i>Taichi Sano</i>
15:45				
16:00	Closing Ceremony			
16:45				

This programme is subject to change



Basics to Bionics

Room 502 Conference Center	Room 504/505 Conference Center	Room 401 Conference Center	Room 403 Conference Center	Exhibitor Workshop Room, Exhibition Hall 3	Time	
4.1.5.a-g FPS: Prosthetics – Lower Limb Transfemoral Gait <i>Steven Allen Gard Hiroshi Hashimoto</i>	4.1.6.a-g FPS: Prosthetics – Upper Limb Design <i>Gerwin Smit Takashi Nakamura</i>	4.1.7 AIC: Seating & Wheelchair Customising the Future: More Accuracy, More Choice – a New Model for Wheelchairs and Assistive Technology <i>Jake Honeywill</i>	ISPO Japan Annual General Meeting	Ottobock Overcoming obstacles – features and user benefits of realtime Microprocessor Controlled Feet (MPF)	09:00	
					10:30	
					10:45	
					11:30	
					11:45	
4.2.5 AIC: Footwear Individualized Rocker Profile Shoes: Design, Biomechanics and Indications <i>Juha Hijmans</i>	4.2.6 SYM: Outcome Measurements Exploring Quality-of- Care Topics for Users of Custom Ankle-Foot Orthoses <i>Allen Heinemann</i>			4.2.7.a-f FPS: Developing Countries <i>Gregory Halford Teppei Morimoto</i>	Ottobock Gain mobility after an amputation: New approaches in prosthetic lower limb rehabilitation	14:00
4.3.5.a-f FPS: Prosthetics – Lower Limb Gait <i>Erik Prinsen Toshiki Kobayashi</i>	4.3.6.a-e FPS: Outcome Measurements General <i>Liselotte Hermansson Kazuyuki Hasada</i>	4.3.7.a-g FPS: Prosthetics – Upper Limb Design <i>Sally Cavenett Kengo Ohnishi</i>	4.3.8.a-d FPS: Developing Countries <i>Maggie Donovan-Hall Akito Tamura</i>	14:30		
					15:45	
					16:00	
					16:45	



Scientific Posters

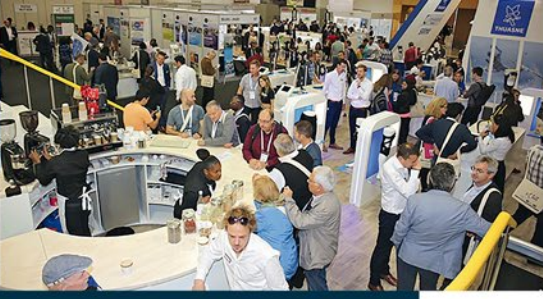


The scientific poster area is located in Exhibition Hall 3. Posters are viewable during the daily exhibition opening hours throughout the entire duration of the congress. Presenters are available next to their posters during the 'Meet Poster Presenters' sessions on:

SATURDAY, 5 OCTOBER AND SUNDAY, 6 OCTOBER

15:45 - 16:30

Congress topic	Code	Meet the presenter
Orthotics: Lower Limb Neurological	5.001 - 5.009	Saturday, 5 Oct.
Orthotics: Lower Limb Orthopaedic	5.010 - 5.017	Saturday, 5 Oct.
Orthotics: Spinal	5.018 - 5.022	Saturday, 5 Oct.
Orthotics: Upper Limb	5.023 - 5.026	Saturday, 5 Oct.
Prosthetics: Lower Limb Transfemoral	5.027 - 5.043	Sunday, 6 Oct.
Prosthetics: Lower Limb Transtibial	5.044 - 5.060	Sunday, 6 Oct.
Prosthetics: Lower Limb Ankle & Foot	5.061 - 5.064	Sunday, 6 Oct.
Prosthetics: Upper Limb	5.065 - 5.086	Sunday, 6 Oct.
Seating & Wheelchair	5.087	Saturday, 5 Oct.
Footwear	5.088 - 5.092	Saturday, 5 Oct.
Paediatrics	5.093	Sunday, 6 Oct.
Psychosocial Issues / Quality of Life	5.094 - 5.099	Saturday, 5 Oct.
Outcome Measurements	5.100 - 5.103	Sunday, 6 Oct.
Developing Countries	5.104 - 5.108	Saturday, 5 Oct.
Education	5.109 - 5.115	Saturday, 5 Oct.
Rehabilitation Medicine & Surgery	5.116 - 5.121	Saturday, 5 Oct.
Sports & Physical Activity	5.122	Sunday, 6 Oct.
Other Topics	5.123 - 5.129	Saturday, 5 Oct.



Social Programme



Welcome Reception

SATURDAY, 5 OCTOBER

17:45 – 19:00

EXHIBITION HALLS 2 AND 3

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

SUNDAY, 6 OCTOBER

19:00 – 21:00

OHWADA GRAND BANQUET ROOM, PORTOPIA HOTEL

One of the highlights of each World Congress, the Congress Party celebrates our achievements with great food, drinks, and entertainment. Registration and ticket required.



Tours

Together with its surrounding region, Kobe is one of Japan's leading tourist destinations. Visit the tour desk in the registration area to book a last minute tour.





KAWAMURA GROUP



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October 5-8, 2019

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KAWAMURA GROUP

KAWAMURA GISHI CO., LTD.

Pacific Supply Co., Ltd.

1-12-1 Goryo, Daito-shi, Osaka 574-0064, Japan

Web site
Chinese ►



Exhibition

At the exhibition in Halls 2 and 3, companies from around the globe present their latest products and innovations. The product range stretches from movement analysis and compression therapy to orthopaedic footwear technology, orthotics, prosthetics, robotics, and wheelchair support.

Visit the following special areas in Exhibition Hall 3:

- Japanese Pavilion including Robotics Exhibition
- Hospitality Booth - Japanese Culture
- International Community Lounge (ICL)

Exhibitor Workshops

In addition to the diverse scientific programme, individual exhibitors 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. See the programme overview for topics and times.

CHECK OUT THE PRINTED EXHIBITOR DIRECTORY

including
floor plans



Download the app
for a list of exhibitors
on your device
www.ispo-congress.com/app



International Society for Prosthetics and Orthotics



ISPO is a **multidisciplinary organisation** that promotes access to appropriate and equitable rehabilitation, mobility devices, and other assistive product services to improve the quality of life for people with reduced mobility. ISPO membership includes all rehabilitation professionals (i.e. prosthetists-orthotists, technicians, physical therapists, occupational therapists, surgeons, physicians, engineers, community-based rehabilitation workers, etc.) along with industry and users of assistive technology services.

ISPO membership allows you to:

1. Be part of a **worldwide community**, **expand networks**, and make a positive contribution to the development of rehabilitation, mobility device and other assistive product services;
2. Enhance your learning experiences by accessing **the latest scientific updates** through ISPO's journal **Prosthetics and Orthotics International (POI)** and receiving **exclusive registration rates** to ISPO and National Society events;

3. **Actively contribute to the development of ISPO** by joining committees or working groups and advocating best practices to governments and non-governmental organisations on key issues;
4. **Cultivate your career passion** through eLearning, Global Educators Meeting (GEM), and shorth courses.

ISPO is a truly **enriching experience**, both **professionally and personally**. **Join ISPO!**

Prosthetics and Orthotics International



Prosthetics and Orthotics International (POI) is the official journal of the ISPO. POI is a multidisciplinary journal for all professionals who have an interest in the medical, clinical, rehabilitation, technical, educational and research aspects of prosthetics, orthotics and rehabilitation





engineering, as well as their related topics. POI is relauching in 2019.

New Editors have been appointed: Stefania Fatone (Northwestern University Prosthetics-Orthotics Center, USA), Nerrolyn Ramstrand (Jönköping University, Sweden); Brian J. Hafner (University of Washington, Seattle, USA) and Michael Dillon (La Trobe University, Australia). The journal has further developments planned throughout 2019. For further information, please visit poi.sagepub.com.

ISPO Accreditation

ISPO offers accreditation to training centers delivering prosthetic and orthotic programmes for Prosthetists/Orthotists, Associate Prosthetists/

Orthotists and Prosthetic/Orthotic Technicians. ISPO accreditation is sought voluntarily by a prosthetic and orthotic training programme to validate against the existing ISPO Education Standards.

Why is it important? Often a sign of good management, accreditation helps identify areas of strength and opportunities for improvement based on a series of standards. Even though there may be no law requiring it, accreditation is an opportunity to seek and secure validation by a recognised external body (ISPO Education Committee) comprised of expert peers.

Learn
more about the
ISPO Education
Standards for
Prosthetic/Orthotic
Occupations at:
www.ispoint.org



www.eos.info

Visit us!
Hall 2 North
Stand A04



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Japan was chosen as host because of its long history of innovation in the fields of prosthetics and orthotics, robotics and artificial intelligence, rehabilitation, mobility devices, and assistive technology.

About Japan and Kobe

Japan, often called the “Land of the Rising Sun”, is a stratovolcanic archipelago consisting of about 6,852 islands. The four largest are Honshu, Hokkaido, Kyushu, and Shikoku, which make up about ninety-seven percent of Japan's land area and often are referred to as home islands.

Kobe is located in the very centre of Japan on Honshu Island. This mild port city, with its wealth of natural surroundings, commands a view of the calm blue Seto Inland Sea against the backdrop of the breathtaking Rokko mountain range. The city has prospered as a port for overseas trade in East Asia since ancient times, and has adopted various western cultures since its opening to their commerce in 1868. Since the modernisation of Japan, Kobe has become a cosmopolitan city with a population of about 1.53 million and home to people from more than 130 countries. As a tourist destination, Kobe offers such

attractions as its night view of the city (designated one of the three best night views in Japan), Seto Inland Sea cruising, and nearby Arima Onsen, a historic hot spring town with origins dating back as far as the 1600s. Kobe is also famous for its diverse food culture, which includes such specialties as world famous Kobe beef, Nada sake as well as western confectioneries.





Venue and Floor Plans



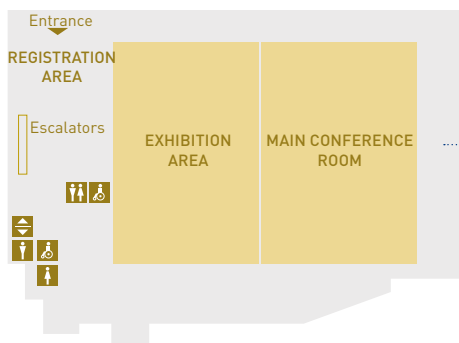
Location overview





Overview Hall 2

1st floor



Conference Center

Hall 3

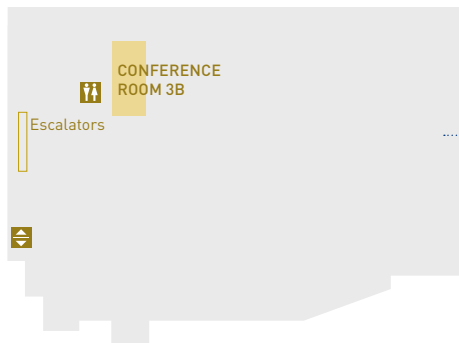
Hall 2

Hall 1

2nd floor



3rd floor



- Restroom
- Accessible Restroom
- Elevator





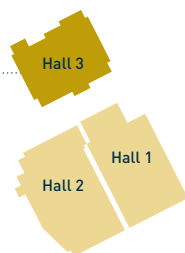
Venue and Floor Plans

Overview Hall 3

1st floor

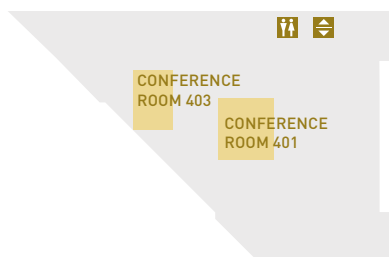


Conference Center

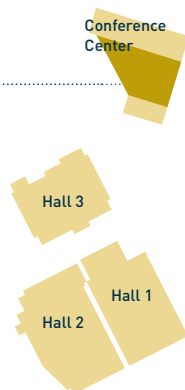


Overview Conference Center

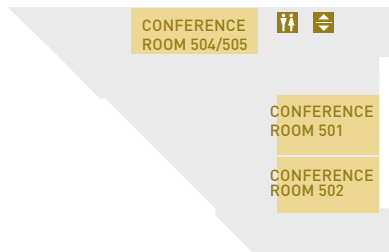
4th floor



Conference Center



5th floor



-  Restroom
-  Accessible Restroom
-  Elevator



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Melvin, C-Brace® user, post-polio syndrome

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