



The congress will be  
simultaneously translated

Thursday, October 25th, 2018

From 9:00 to 9:30 AM  
From 9:30 to 9:45 AM

Accreditation and delivery of materials

Opening

Luis Gallego Méndez, Chairman of the OMC Scientific Committee

Pablo Pérez Aragundi, President of the OMC Organizing Committee

Luis Gallego Fernández, FEDOP President

## Innovation in Prosthetics and Orthotics: Exponential Progress Becomes Reality

9:45

**Bionic exoskeletons, a new horizon in the therapy of neurological diseases**

**Lecture: Elena García Armada** - PhD in Robotics, Industrial Engineer from the Universidad Politécnica de Madrid Co-founder of Marsi Bionics. Senior Scientist at the Higher Council for Scientific Research at the Centre for Automation and Robotics. She has 18 mentions for Excellence.

10:45

**3D Impression– Innovation in design and manufacturing**

Lectures:

- **3D, a new manufacturing method in orthopaedics. Jon Vallecillo Lazcano** – Degree in Orthopaedic. Knowledge of CAD design, electronics and 3D printing.
- **Design and manufacturing of insoles with 3d printers. Jempi Wilssens** – Electronic and Orthopaedic Engineer and Foot Biomechanics Professor at the Universities of Barcelona, Seville, Madrid and Beijing.

11:30

**CAD versus yesotomies on the corsets. Lecture - workshop**

**Lecture: Frederic Esteve Naya** – Orthopaedic technician, pioneer in the installation of the first integrated CAD system in Spain. Professor at the University of Barcelona UB and the Ramon Llull University of Palma and Barcelona.

From 12:00 to 12:30

**ORTO Medical Care 2018 Opening Ceremony**

12:30

**THE ENDO- EXO- PROSTHESIS-** about a transcutaneous osseointegrated device for rehab following limb amputation **Lecture: Dr. Horst-Heinrich Aschoff** - Leader of the Endo-Exo-Section at the Traumaclinic Medical School of Hannover



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## Prosthetics: Advancing Knowledge to improve the user's quality of life

9:30

### Innovative printing system for water-based orthopaedic technology

Lecture: **Karl Becker** - Professor of Biomechanics at Beijing University. Director of the Ottobock Academy (Duderstadt) for over 20 years. General Manager at MEDI Prosthetics. Consultant for Össur. Consultant for Romedis Aqua Symphonie System.

10:00

### Ischial-Ramus containment in transfemoral socket designs

Lecture: **Marlo Ortiz** - Founder and owner of Ortiz International, O&P clinic in Guadalajara, Mexico. Winner of the Clinical Creativity Award.

Awarded the "Blatchford Prize" for the best "Prosthetic Technology" at the ISPO World Congress in Vancouver.

11:00

### Future Perspectives And Challenges In Upper And Lower Limb Prosthetics

Lecture: **Michael Schäfer** - CEO of Pohlig GmbH. Expert in upper and lower limb prosthetics - Orthotics for people with congenital malformations - Silicone technology - Material sciences - R&D; Cooperation with research institutes.

12:00 Break

12:30

### Specific lower limb prosthetic components for Paralympic and leisure sports: Potential and limitations evaluated by biomechanical analysis

Lecture: **Thomas Schmalz** - Graduate in Physics and Doctor in Sports Biomechanics. Professor of Biomechanics at the University of Gießen and at the University of Applied Sciences in Göttingen.

Partners:



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