

# CONGRESS AND TRADE SHOW PROGRAMME

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**We would be pleased  
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# CONTENTS

<b>WORD OF WELCOME</b>		2
<b>GENERAL INFORMATION</b>	Details and Dates	4
	Organisers	4
	Your Contact Persons	5
	Contacts Abroad	5
	Visa Requirements	7
	Admission Fees for the Congress and Trade Show	7
	Terms and Conditions of Participation	10
<b>CONGRESS AND TRADE SHOW PROGRAMME</b>	The Programme and Course Steering Committee	12
	The Reviewers	13
	Cooperation	13
	Content of the Congress	14
	Country Codes and Pictograms used in the Congress Programme	16
	Continuing Education Credits	16
<b>PROGRAMME OVERVIEW</b>	<b>Tuesday, 15 May 2018</b>	<b>18</b>
	<b>Wednesday, 16 May 2018</b>	<b>26</b>
	<b>Thursday, 17 May 2018</b>	<b>46</b>
	<b>Friday, 18 May 2018</b>	<b>66</b>
<b>EXPERT THEMES</b>	Prosthetics and Orthotics	78
	<ul style="list-style-type: none"> <li>• Youth.Academy.TO</li> <li>• Global Networking Area</li> <li>• History of O&amp;P</li> </ul>	
	Orthopaedic Footwear Technology / Pedorthics	79
	<ul style="list-style-type: none"> <li>• Meetingpoint pedorthotists</li> <li>• Innovations tours of the exhibition</li> </ul>	
	Specialist Healthcare Supplies Retailers	79
	<ul style="list-style-type: none"> <li>• Retail Forum, BUFA-WALKS</li> <li>• High-calibre dedicated programme for sales professionals</li> <li>• Special show: "Wearables and smart textiles"</li> <li>• Pavilion of shop design</li> </ul>	
	Technical Rehabilitation	80
	<ul style="list-style-type: none"> <li>• Technical Rehabilitation Forum</li> </ul>	
	Research and Development	80
	<ul style="list-style-type: none"> <li>• Focus on digital manufacturing</li> <li>• Start-up zone and Campus</li> </ul>	
	Medical Perspectives	81
	<ul style="list-style-type: none"> <li>• Certified professional development for accident insurance consultants</li> <li>• Initiative '93 – Basic course</li> <li>• Guided exhibition tours</li> <li>• Students' day</li> </ul>	
<b>EXHIBITOR DIRECTORY</b>		82
<b>WELCOME TO LEIPZIG</b>	Arriving, accommodation and organisation of your stay	90
<b>SOCIAL EVENTS</b>	Official opening of OTWorld	92
	Congress and Trade Show Party	92

## WORD OF WELCOME

### OTWORLD 2018 IN LEIPZIG

The centre of concerns at OTWorld is always the quality of patient care. This embodies the aim of giving people new freedoms and improved quality of life through treatments using orthopaedic aids. Technological progress and modern concepts of medical treatment are yielding better and better results. And the mega-trend towards digitalisation, in particular, offers huge opportunities. Yet we must distinguish clearly between what is really useful and what is mere 'hype'. At the end of the day, we must be assured of the practical relevance and be provided with the evidence of the effectiveness of treatments.

By combining an international Trade Show and the World Congress, OTWorld brings together different realms of endeavour and enables everyone to help shape and join in with the progress that is being made. This, therefore, is the place where the experiences of experts in practical patient care should and can be discussed across professional and national boundaries, research findings critically examined, quality of care re-defined, future-proof educational concepts fostered and the framework conditions for health policy outlined.

Organised jointly by the German Association for Orthopaedic Technology (Bundesinnungsverband für Orthopädie-Technik – BIV-OT), Leipziger Messe GmbH and the Confairmed GmbH, in conjunction with the Programme Committee, the Exhibitors' Advisory Committee and numerous working groups, OTWorld provides structures that vouchsafe efficient discussions between experts and long-term, sustainable success. Under the chairmanship of Professor Volker Bühren, the Programme Committee is, once again, able to present a World Congress, that exceeds expectations in terms both of international participation and



interdisciplinary representation. The list of attendees that are set to meet up in Leipzig in 2018 looks like a Who's Who of the world of technical orthopaedics. More than 21,000 trade visitors from 80 countries, as well as distinguished representatives of the political and business worlds, are expected to attend the World Congress and the most important international Trade Show in its field, including 550 exhibitors from 40 different nations. The 'Global Networking Area' – a joint stand with 40 international sector associations, organisations, educational institutions and scientific societies – will play a major part in facilitating this worldwide intercommunication.

OTWorld in 2018 is also aiming to appeal specifically to the next generation of professionals with a specially targeted selection of events. For the fourth time in a row, OTWorld will be inviting young people to the Youth.Academy TO – the sector's largest meeting for its younger members. The academy offers trainees in p&o, orthopaedic footwear technology and physiotherapy, as well as medical students, special access to the World Congress and the international trade exhibition. We are expecting young professionals from the Netherlands, Belgium and Poland to join with their German colleagues to 'learn together, exchange ideas and have fun', as the mission statement for the event suggests.

The broad range of care and treatments on offer is nowhere better showcased than in the Technical Re-



habilitation Forum. The life situations in which people are provided with wheelchairs as part of their care are all very different and all individual. Custom-built electric wheelchairs, multi-functionality or special sizes – the technical rehabilitation aids must be adapted to each and every individual need. And OTWorld 2018 will be showcasing the entire bandwidth of expertise in the field of rehabilitation technology.

Our sector is nothing if not a ‘family business’. That means that, alongside the unfortunately often fast and furious hectic of business at the Trade Show and in the Congress, there is also a major festive event which everyone can join in with. On the Tuesday evening, we are inviting people to the sector’s biggest party in the KONGRESSHALLE am Zoo Leipzig - this time to celebrate in ‘Oktoberfest’ style, taking as our theme the cry that opens the Bavarian Oktoberfest beer festival “O’zapft is” (literally: “the barrel’s broached”). An enjoyable time and a great atmosphere are guaranteed!

The German Association of Orthopaedic Technology, Leipziger Messe GmbH and Confairmed GmbH are all convinced that OTWorld, from 15 to 18 May 2018 in Leipzig, is optimally structured to enable visitors, exhibitors and speakers to get a maximum amount of information and make a maximum number of contacts. The world of technical orthopaedics and rehabilitation meets up in Leipzig.

We look forward to your visit.



On behalf of the German Association of Orthopaedic Technology

**Klaus-Jürgen Lotz**  
President



On behalf of the Programme Committee

**Prof. Dr. med. Volker Bühnen**  
Chair



On behalf of Confairmed GmbH

**Georg Blome**  
Managing Director




On behalf of Leipziger Messe GmbH

**Martin Buhl-Wagner**  
Chief Executive Officer

## GENERAL INFORMATION

## WORLD-CLASS FACILITIES FOR CUSTOMERS AND EXHIBITORS

 CCO: World Congress and Exhibitor Workshops

 Exhibitor Workshops

 International Trade Show

## DETAILS AND DATES

### VENUE

Leipzig Exhibition Centre, Halls 1, 3 and 5  
Conference area – Messehaus

### OPENING TIMES

Tuesday, 15 May to Friday, 18 May 2018

### WORLD CONGRESS

9 a.m. to 6 p.m.  
(Friday, 18 May 2018 until 4 p.m.)

### TRADE SHOW

9 a.m. to 6 p.m.  
(Friday, 18 May 2018 until 4 p.m.)

### CONGRESS LANGUAGE

German with simultaneous translation into English and English with simultaneous translation into German.  
Selected lectures will also be translated into Spanish.

### LATEST INFORMATION

On the internet at: [www.ot-world.com](http://www.ot-world.com)

### QUESTIONS

[info@ot-world.com](mailto:info@ot-world.com)  
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## ORGANISERS

### CONCEPTUAL PARTNER

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## VISA REQUIREMENTS

Delegates needing a visa to enter Germany are kindly advised to consult the website of the German Federal Foreign Office

[www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/Visabestimmungen\\_node.html](http://www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/Visabestimmungen_node.html)

where they can verify their eligibility, check visa requirements, find detailed information on visa application regulations and download an application form. For the address of a German Embassy/ Consulate and a detailed list of documents for visa application in your country of residence (in German and a national language of your country of residence), please follow the link:

[www.auswaertiges-amt.de/EN/Laenderinformationen/DtAuslandsvertretungenA-Z-Laenderauswahlseite\\_node.html](http://www.auswaertiges-amt.de/EN/Laenderinformationen/DtAuslandsvertretungenA-Z-Laenderauswahlseite_node.html)

In order to ensure timely delivery of the visa, delegates who require an invitation letter for visa purposes are strongly recommended to register before 15<sup>th</sup> March 2018. For any further information or additional inquiries on visa matters please contact:  
Phone: +49 341 678-8975  
E-mail: [visa@leipzig-messe.de](mailto:visa@leipzig-messe.de)

## ADMISSION FEES

Tickets at  
[www.ot-world.com/ticket\\_en](http://www.ot-world.com/ticket_en)

### WORLD CONGRESS

Includes all events of the congress and trade show programme, as well as admission to the trade show.

Day ticket online	<b>145.00 EUR</b>
Day ticket	<b>185.00 EUR</b>
Reduced day ticket*	<b>60.00 EUR</b>
Full ticket online	<b>410.00 EUR</b>
Full ticket	<b>510.00 EUR</b>
Reduced full ticket*	<b>150.00 EUR</b>

### TRADE SHOW

Including exhibitor workshops and Open Forum

Day ticket online	<b>18.00 EUR</b>
Day ticket	<b>29.00 EUR</b>
Reduced day ticket*	<b>9.00 EUR</b>
Day ticket for groups <small>(available for 5 persons and more)</small>	<b>15.00 EUR</b>
Full ticket online	<b>40.00 EUR</b>
Full ticket	<b>59.00 EUR</b>
Reduced full ticket*	<b>21.00 EUR</b>

Additional events available to trade show visitors; places for each event must be reserved separately in advance.

- Courses and factory talks in the World Congress
- Retail Forum
- Innovation tours

\* Reductions are available for pupils, students, trainees, pensioners, disabled people and unemployed.

## GENERAL INFORMATION

## FREE TRAVEL ON LOCAL PUBLIC TRANSPORT (CENTRAL GERMAN REGION – MDV)

All admission tickets to OTWorld entitle the holder to free travel, on the day of the visit, to and from the Exhibition Centre on the local public transport services run by the MDV (Mitteldeutscher Verkehrsverbund).  
Regions/Tariff Zones: 110, 151, 156,162, 163, 168, 210, 225

## SPECIAL TICKETS

<b>COURSES*</b>	For congress delegates: included For trade show visitors: <b>20.00 EUR</b> online, <b>25.00 EUR</b> regular price For trainees / students: A limited number of free tickets is available.
<b>FACTORY TALKS*</b>	For congress delegates: included For trade show visitors: <b>20.00 EUR</b> online, <b>25.00 EUR</b> regular price
<b>PROFESSIONAL DEVELOPMENT FOR ACCIDENT INSURANCE CONSULTANTS (DGUV)</b>	For congress delegates: included For accident insurance consultants:** In order to obtain official DGUV certification, delegates must register in advance in the ticket shop Day ticket: <b>145.00 EUR</b> online, <b>185.00 EUR</b> regular price Full ticket: <b>410.00 EUR</b> online, <b>510.00 EUR</b> regular price
<b>INITIATIVE '93 BASIC COURSE**</b>	For congress delegates: included   In order to obtain official certification, delegates must register in advance in the ticket shop For trade show visitors: <b>145.00 EUR</b> online, <b>185.00 EUR</b> regular price
<b>RETAIL FORUM*</b>	For congress delegates and trade show visitors: Specialist programme with guided tour of exhibition (BUFA-WALKS) <b>49.00 EUR</b> online, <b>59.00 EUR</b> regular price
<b>YOUTH.ACADEMY TO</b>	For trainees / students: <b>30.00 EUR</b> (2-day ticket)  The following are included in the ticket price: <ul style="list-style-type: none"> <li>• Admission to trade show on Thursday 17 May and Friday 18 May 2018</li> <li>• Admission to the practical courses (prior registration required) and to the congress lectures in Room 1 on Thursday 17 May and Friday 18 May 2018</li> <li>• Access to the Meeting Point in the Great Glass Hall, including snacks</li> <li>• Participation in selected events</li> <li>• Party on the evening of Thursday 17 May 2018 in the Pocket Park West</li> </ul>

\* Only people in possession of a valid admission ticket for the Trade Show may participate. Participants must register in advance.

\*\* Certified participation only after prior registration in the ticket shop.

Information and registration details at: [www.ot-world.com/ticket\\_en](http://www.ot-world.com/ticket_en)

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## TERMS AND CONDITIONS OF PARTICIPATION

### **Please be aware of the contractually binding terms and conditions of Leipziger Messe GmbH:**

Requests for tickets are binding. Because the number of places is limited, there can be no guarantee of a place. Once your place has been confirmed, it is binding. In the case of online requests, online-tickets will be sent out immediately, once the order has been correctly placed. All prices include VAT at current (German) rates. Payment for admission tickets is due 8 days after presentation of the invoice by the Leipziger Messe GmbH and should be paid in full to one of the accounts stipulated.

No claim for a replacement can be entertained in the case of lost tickets. Requests for tickets, changes or cancellations must be made in writing. Cancellation free of charge of confirmed (contractually binding) places is only possible up to 14 days after the order process. For changes of any kind to course tickets and congress tickets, we will charge an alteration fee of EUR 10.00; changes of name may be made without charge. In cases where incomplete or incorrect information has been given in respect of credit card details, we will charge an administration fee of EUR 4.00. Leipziger Messe reserves the right to substitute alternative speakers for those announced and to make any necessary changes to the programme for the event, on the understanding that they will preserve the general overall character of the event. If an event cannot be held because of an act of God, because a speaker is prevented from attending, because of disruption at the venue or because of insufficient numbers attending, participants will be informed immediately. If an event or session is cancelled because of insufficient numbers of participants, then the participation fee will be refunded. No claims



for a refund of travel or accommodation costs can be entertained, unless such costs arise from grossly negligent or deliberate action on the part of the Leipziger Messe.

Lectures and documentation relating to the event are subject to copyright and may not be reproduced, distributed or used for commercial purposes in any form – even in part – without the express consent of Leipziger Messe and the individual speaker concerned. Permission must be obtained from Leipziger Messe, in advance, for all proposed live video and sound recordings made during the period of the show. Photographs are not permitted. Leipziger Messe accepts no responsibility or liability whatsoever for any substantive error or errors in the lectures or documentation. In addition, the terms and conditions laid down in respect of tickets shall also apply and may be perused at [www.leipziger-messe.de/agn](http://www.leipziger-messe.de/agn).

Place of fulfilment and court of jurisdiction for all contractual obligation in respect of either party is Leipzig, in so far as the participant or participants concerned are business professionals or if the participant or participants do not have offices in German. The law of the Federal Republic of Germany applies.

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## CONGRESS AND TRADE SHOW PROGRAMME



### THE PROGRAMME COMMITTEE

The main parameters, content and structure of the World Congress have been devised by the Programme Committee – under the chairmanship of the Congress President, Professor Volker Bühren. The members of the Programme Committee and the Course Steering Committee represent technical trades and scientific and academic organisations. The organisation of the congress is in the hands of Confaimed – Gesellschaft für Congressmanagement mbH.



**Prof. Dr. med. Volker Bühren**  
Medical Director and CEO of the Federal Employers' Insurance Accident Clinic (BGU) in Murnau and Senior Consultant in Accident Surgery and Sport Orthopaedics at the Garmisch-Partenkirchen Hospital; Chair of the Programme Committee

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motioncheck



## THE REVIEWERS

Some 250 free submissions were subjected to an anonymised peer-review process. Each abstract was assessed by at least two reviewers independently of one another. The Programme Committee and the Congress Office would like to thank the reviewers for their expert contributions.

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Dr. Urs Schneider  
Dr. Johannes Schröter  
Bernd Sibbel  
Dr. Stefan Simmel  
Tino Sprekelmeyer  
Dr. Hartmut Stinus  
Norbert Stockmann  
Klaus Wiese  
Stefan Woltring

## COOPERATION

We should like to thank all the supporting specialist organisations and professional associations who have helped with the establishment of the congress programme.

Association of Diabetic Foot Surgeons (A-DFS)  
Federal German College of Orthopaedic Technology (BUFA)  
German Society for the Management of Arthritis (DGFAM)

German Society for Interprofessional Treatment with Orthopaedic Devices (DGIHV)

German Society for Orthopaedics and Trauma Surgery (DGOU) – Rehabilitation and Physical Therapy Division

The German Society for Physical Medicine and Rehabilitation (DGPMR)

German-speaking Medical Association for Paraplegia (DMGP)

German Society for Foot and Ankle Surgery (GFFC)

Association for Orthopaedic and Traumatological Sports Medicine (GOTS)

Initiative '93 – Technical Orthopaedics

ISPO Germany e.V.

Association of Technical Orthopaedics (VTO)

Association for Quality Assurance in Upper Limb Prosthetics (VQSA)

Interdisciplinary Society for Orthopaedic & Accident Surgery and General Pain Therapy (IGOST e.V.)

## CONGRESS AND TRADE SHOW PROGRAMME



### CONTENT OF THE CONGRESS

The interdisciplinary World Congress brings together orthotists and prosthetists, orthopaedic footwear professionals, engineers, doctors and therapists from all over the world so that they may discuss improved treatment and care options for the benefit of patients and establish new standards and principles. Every day, distinguished experts in their field will introduce issues from their particular specialism in fascinating and informative keynote lectures. Immediately after the keynote speeches, congress delegates will have the opportunity, during the 'Meet the Speaker' discussion, to put questions, which go more deeply into the issues raised. In addition to the programme of scientific and academic lectures, there will be an ePoster exhibition with short talks.

In practical presentations such as 'How to Treat' and the 'battle session', specialists in their fields will demonstrate and discuss memorable examples of ways in which specific conditions can be treated and what the possible options for treatment are. In the practice-oriented course programme, there is a focus on issues in orthopaedic technology (prosthetics and orthotics) and in orthopaedic footwear technology. The topics will encompass interfaces with medical practice and physiotherapy. The factory talks, which will deal with practical issues and techniques in the workshop, offer plenty of opportunities for interaction and dialogue. The Open Forum will present selected highlights from the Congress for visitors to the Trade Show.



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# CONGRESS AND TRADE SHOW PROGRAMME



## COUNTRY CODES AND PICTOGRAMS USED IN THE CONGRESS PROGRAMME

AT	Austria	JP	Japan
AU	Australia	LB	Lebanon
BE	Belgium	MX	Mexico
BD	Bangladesh	NL	The Netherlands
BR	Brazil	NO	Norway
CA	Canada	PT	Portugal
CH	Switzerland	SE	Sweden
CL	Chile	TR	Turkey
CZ	Czech Republic	TZ	Tanzania
DE	Germany	UA	Ukraine
DK	Denmark	UG	Uganda
ES	Spain	UK	United Kingdom of America
FR	France	US	United States of America
HR	Croatia	ZA	South Africa
GR	Greece		
IL	Israel		
IN	India		
IR	Iran		
IS	Iceland		
IT	Italy		

	Meet the Speaker
	How to treat?
	Video recording
	Additional fee
	Prior registration required
	Battle session
	Free admission for Youth.Academy Technical Orthopaedics
	Lecture in German
	Lecture in English
	Lecture in Spanish
	CME for medical practitioners
	Ticket for trade show required
	Ticket for congress required

## CONTINUING EDUCATION CREDITS

Attendance at the World Congress attracts continuing professional development credits for medical practitioners, prosthetists and orthotists, orthopaedic footwear professionals and physiotherapists. Application for appropriate accreditation should be made to the following institutions:

- American Board for Certification in Orthotics, Prosthetics & Pedorthics (ABC)
- Working Group for Orthopaedic Footwear Technology (AGOS)
- German Physiotherapy Association (ZVK)
- Saxony State Chamber of Medical Practitioners (SLÄK)

- Institute for Quality Assurance and Certification in Orthopaedic Technology (IQZ)
- Swiss Association of Orthopaedic Technicians (SVOT/ASTO)
- German Central Association of Orthopaedic Footwear Technology (ZVOS)

Continuing education credits from the Saxony State Chamber of Medical Practitioners are recognised by the following institutions:

- Austrian Chamber of Medical Practitioners
- Swiss orthopaedics



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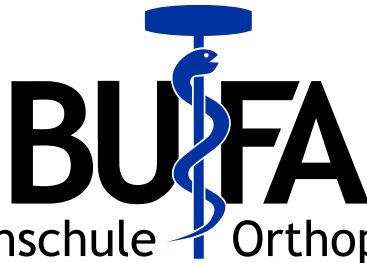
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# CONGRESS AND TRADE SHOW PROGRAMME

## TUESDAY, 15 MAY 2018

10:00 – 11:45	EXHIBITOR WORKSHOP	
Messehaus, Room 21	<b>Ich halte es in der Hand – mit Technik und Training den Alltag gestalten</b> Susanne Breier, DE; Claudia Breidbach, DE Exhibitor: ÖSSUR Europe BV	
10:00 – 10:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>Individuelle Konzepte für Therapie, Training und Rehabilitation mit Armprothesen</b> Birgit Bischof, AT Exhibitor: Otto Bock HealthCare GmbH	
10:00 – 10:45	EXHIBITOR WORKSHOP	
CCO, Room 9	<b>Zukunftsmarkt orthopädische Services in Betrieben</b> Christian Weyer, DE Exhibitor: Bauerfeind AG	
11:00 – 12:15	SYMPOSIUM	
CCO, Open Forum	<b>WHO-Standards for prosthetics and orthotics</b>	
11:00 – 12:15	FREE PAPERS	    
CCO, Room 1	<b>Prosthetics upper extremity</b> <ul style="list-style-type: none"> <li>• Postural synergies as a natural basis for designing hand prostheses Dipl.-Ing. Benjamin Fleischer-Lück, DE</li> <li>• Can muscular synergies be used for the intuitive control of arm and hand prostheses? – a clinical analysis Alina Kettenbach, DE</li> <li>• Clinical results of a new aesthetic heavy-duty electric terminal device Scott Hosie, US</li> <li>• Does the SHAP reflect the amount of compensatory movement in upper limb tasks? M.Sc. Barbara Pobatschnig, AT</li> <li>• CASE EXAMPLE: Synchronised control of electronic wrist rotators and myoelectric hand prostheses, use of digital electrodes: a new approach in upper limb prosthetics Bertrand Frossard, UK</li> <li>• Fitting example of a glenohumeral TMR patient, with subsequent comparison with the special characteristics of 3 transhumeral TMR patients B.Sc. Ralf-Thomas Münch, DE</li> </ul>	



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# Bildungsnetzwerk

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# CONGRESS AND TRADE SHOW PROGRAMME

## TUESDAY, 15 MAY 2018

11:00 – 12:15 SATELLITE-SYMPOSIUM



### Mobility despite acute and degenerative paraplegia and spinal cord injury? What fitting options can be expected in the future?

In cooperation with Deutsche Gesellschaft für Physikalische Medizin and Rehabilitation e.V. (DGPMR) and Deutschsprachige Medizinische Gesellschaft für Paraplegie e.V. (DMGP)

Chair: Dr. Wilfried Schupp, DE; Dr. med. Susanne R. Schwarzkopf, DE

- Modern rehabilitation concepts supported by technical treatment options  
Priv.-Doz. Dr. Rainer Abel, DE
- Modern treatment options for spinal spasticity  
Dr. Doris Maier, DE
- Paraplegia in the elderly – Which orthopaedic device is indicated when?  
Prof. Dr. Hans-Herbert Steiner, DE
- Update on the technical options for bladder and bowel voiding – What can be expected?

11:00 – 12:15 FREE PAPERS



### Prosthetics – Revision surgery

- Residual limb revision surgery on the residual lower leg – selected case reports and surgical solution  
Dr. med. Cornelia Putz, DE
- Influence of type of incision on rehabilitation in below knee amputation  
MBBS MS Amit Saraf, IN
- The pain at the amputation stump site – possibilities and limits of surgical approaches  
Dr. med. Jennifer Ernst, DE
- CASE EXAMPLE: Amputation due to congenital femoral deficiency treated with osseointegration  
B.Sc., BE, PhD William Lu, AU
- CASE EXAMPLE: More than 46 years of experience in dealing with amputations and prosthetics provisions  
Priv.-Doz. Dr. med. habil. Lutz Brückner, DE

TUESDAY, 15 MAY 2018

11:00–12:15 FREE PAPERS



**Orthotics – Functional electrical stimulation**

- Neurorehabilitation – fitting models in theory and practice  
Dr. Thorsten Böing, DE
- Effects of functional electrical stimulation on gait in children with hemiplegia – a preliminary research report  
Michael Alexander, IL
- CASE EXAMPLE: Orthotics versus functional electrical stimulation (FES) – combination for improved fitting: A case study  
M.Sc. Aljoscha Diercks, DE
- Sensorimotor insoles in combination with functional electrical stimulation in a paraspastic gait – a case example  
Dipl.-Ing. (FH) Oliver Umbach, DE
- Use of instrumented orthosis joints to optimise orthosis alignment and characterisation of the patient  
Prof. Dr.-Ing. David Hochmann, DE

11:00–11:45 EXHIBITOR WORKSHOP



CCO, Room 8 **How the rise of CAD/CAM adoption is elevating the O&P industry**

Angela Saunders, CA

Exhibitor: VORUM Research Corporation

11:00–11:45 EXHIBITOR WORKSHOP



CCO, Room 9 **Moderne Methoden zur Ödemtherapie**

Dr. Hans Jürgen Thomä, DE

Exhibitor: Bauerfeind AG

13:00–13:45 EXHIBITOR WORKSHOP



CCO, Room 9 **Ideale Partner – Kombinationsmöglichkeiten mikroprozessorgeregelter Knie- und Fußprothesen von Ottobock**

Christian Reitinger, AT

Exhibitor: Otto Bock HealthCare GmbH

13:00–13:45 EXHIBITOR WORKSHOP



CCO, Room 8 **Walk with confidence. 2<sup>nd</sup> Generation C-Brace Orthotronic Mobility System**

Christof Küspert, DE

Exhibitor: Otto Bock HealthCare GmbH



# CONGRESS AND TRADE SHOW PROGRAMME

## TUESDAY, 15 MAY 2018

13:00 – 13:45	EXHIBITOR WORKSHOP	
Messehaus, Room 22	<b>RevoFit Adjustable Sockets: "Can You Adjust?"</b> James A Capra, NL Exhibitor: Ortho-Medico NV	
14:00 – 14:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>Individual Approaches for Therapy, Training and Rehabilitation in Upper Limb Prosthetics</b> Birgit Bischof, AT Exhibitor: Otto Bock HealthCare GmbH	
14:00 – 14:45	EXHIBITOR WORKSHOP	
CCO, Room 9	<b>Wie kann ich Absetzungen vermeiden?</b> Angelika Mettlach, DE Exhibitor: Optica Abrechnungszentrum Dr. Güldener GmbH	
13:15 – 14:45	RETAIL FORUM / SPECIALIST PROGRAMME	
CCO, Open Forum	<b>Kundenbindungsinstrumente offline im stationären Einzelhandel</b> Bernard Homann, DE	 
14:00 – 14:30	KEYNOTE SPEECH	  
CCO, Room 1	<b>Spinal column</b> Prof. Dr. Christoph Josten, DE <ul style="list-style-type: none"><li>Followed by: "Meet the speaker!"</li></ul>	   
15:00 – 16:15	<b>OPENING CEREMONY</b>	  
CCO, Room 1		 
16:45 – 17:45	SEMINAR	
CCO, Open Forum	<b>Gehen verstehen – Gangdiagnostik und konsekutive interdisziplinäre Therapie</b> Kirsten Götz-Neumann, US	

TUESDAY, 15 MAY 2018

16:45 – 18:00 SYMPOSIUM

CCO, Room 1 **Low back pain and osteoporosis – an underestimated condition**

Chair: Prof. Dr. Christoph Josten, DE; Prof. Dr. Andreas Kurth, DE

- Epidemiological development of osteoporosis  
Prof. Dr. Andreas Kurth, DE
- Diagnostics and pharmacological treatment  
Prof. Dr. Andreas Roth, DE
- Fatigue fracture – a long neglected disease  
Prof. Dr. Thomas R. Blatter, DE
- When and how to use orthotic devices  
Silke Auler, DE
- Significance of multimodal pain therapy  
Prof. Dr. med. Christoph-E. Heyde, DE



16:45 – 18:00 SATELLITE-SYMPOSIUM

**Technical development and prospects for individuals with spinal paralysis**

In cooperation with Deutschsprachige Medizinische Gesellschaft für Paraplegie e.V. (DMGP)

Chair: Alf Reuter, DE; Dr. med. Marion Saur, DE

- Pressure ulcer problems: Measuring sitting pressure – seat positioning  
PD Dr. Roland de Roche, CH
- Thinking for grasping – options and limitations of brain-computer-interface-controlled sensory and motor neuroprostheses for grasping  
Dr.-Ing. Rüdiger Rupp, DE
- Steer by ear – new control system using the ear muscles for electric wheelchairs  
Leonie Schmalfuß, DE
- Cybathlon: An international championship for robot-assisted parathletes  
Prof. Dr.-Ing. Robert Riener, CH
- Upper extremity isometric strength analysis in spinal cord injured manual wheelchair users  
MD, PhD João Miguel Guerreiro, PT



## TUESDAY, 15 MAY 2018

16:45 – 18:00 SYMPOSIUM


**High tech in orthopaedic technology –  
How much electronics does a person need?**

Chair: Dipl.-Ing. Merkur Alimusaj, DE; Dr. Martin Berli, CH

- Functional effects of mechanical stance-phase control in KAFOs in comparison with a locked joint  
Berthold Bolkart, DE
- Body powered upper extremity prosthetics compared to myoelectrical prosthetics – advantages and disadvantages of the systems  
Dr. Ir. Dick Plettenburg, NL
- Advantages and/or disadvantages of microprocessor controlled prosthetic feet and ankles  
Brian Kaluf, US
- Performance of mechanical knee joints – advantages and disadvantages of these systems  
Dr. Gerfried Peternell, AT
- Results of a high quality RCT and recent clinical experiences related to an innovative MPK for lower mobility grades  
Priv.-Doz. Stephan Domayer, AT
- The limits of non-responder classification for microprocessor controlled exo-prosthetic knee components  
Dr. Andreas Hahn, AT

16:45 – 18:00 FREE PAPERS


**Foot and shoe – Insoles**

- A screening tool to identify risks on musculoskeletal disorders for non-sedentary employees  
PhD Kris Cuppens, BE
- Insole tool for evidence based insole therapy and design  
Tom Saey, BE
- The effect of shoe modification on wound care in diabetic patients: a literature review  
Dr. Monireh Ahmadi Bani, IR
- Structuring the complex relation between foot pathologies and insole design – for the benefit of clinical practice and scientific research  
M.Sc. Eveline De Raeve, BE
- The impact of different foot scanning/support positions to selected foot dimensions when compared against casting and foam box shape capture methods  
M.Eng. Behrokh Eskandari, UK

TUESDAY, 15 MAY 2018

16:45 – 17:45 FACTORY TALK

**Eckpunkte für eine personalisierte Rollstuhlversorgung (WG1)**  
Norbert Stockmann, DE



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## CONGRESS AND TRADE SHOW PROGRAMME

### WEDNESDAY, 16 MAY 2018

09:15 – 10:15 COURSE

CCO,  
Open Forum

#### Hygiene – multiresistente Keime (PK7)

- Grundlagen und praktische Umsetzung der Hygieneanforderungen
- Hygieneanforderungen in der Hilfsmittelversorgung und beim Wiedereinsatz von Reha-Hilfsmitteln

Dr. Bernhard Hofmann, DE



09:15 – 10:15 COURSE

CCO, Room 1

#### Treatment of stroke patients with sensorimotor foot orthoses (PK1)

Stefan Woltring, DE



09:15 – 10:15 COURSE

#### Versorgung von Fußstümpfen – was, wann, wer? (PK5)

Chair: Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE

- Versorgung von Fußstümpfen – chirurgischer Part  
Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE
- Möglichkeiten und Grenzen prothetischer Versorgungen nach Amputationen im Bereich des Fußes  
Michael Schäfer, DE

- Versorgung von Fußstümpfen – Orthopädieschuhtechnik

Michael Möller, DE



09:15 – 10:15 COURSE

#### Neuromuscular trunk orthoses – Importance of the sagittal profile (PK2)

Chair: Alf Reuter, DE; Michael Rexing, DE

- Neuromuscular kyphosis and lordosis  
Prof. h.c. Dr. med. Univ. MBA Walter Michael Strobl, DE
- Physiotherapy aspects of pelvis positioning and sagittal stabilisation in conservative scoliosis treatment – basic principles of schroth therapy in the conservative treatment of neuromuscular scoliosis  
Axel Maier-Hennes, DE

- Is the A-P view a trap? Different approaches to neuro-orthoses for the trunk

Michael Rexing, DE



WEDNESDAY, 16 MAY 2018

09:15 – 10:15 COURSE

**In der Breite liegt der Keim zur Spitze: Orthopädietechnische Versorgung  
paralympischer Athleten – was können wir von den Besten lernen? (PK4)**

In cooperation with Gesellschaft für Orthopädisch-Traumatologische Sportmedizin (GOTS)

Chair: Dr. Hartmut Stinus, DE; PD Dr. Anja Hirschmüller, CH

- Vermeidung von Langzeitfolgeschäden, wie entwickelt sich der Stumpf bei Dauerbelastung?  
Thomas Kipping, DE; David Behre, DE
- Sportverletzungen im Para-Wintersport  
Dr. Hartmut Stinus, DE
- Überlastungsschäden im Para-Sommersport  
PD Dr. Anja Hirschmüller, CH
- Sportprothesen im Breitensport: Prinzipien und Restriktionen  
Dr. Thomas Schmalz, DE



09:15 – 10:15 COURSE

**Osseointegration transhumeral (PK3)**

Chair: Dr. Stefan Simmel, DE

- Modern prosthesis fitting  
Wolfgang Gröpel, DE (solicited)
- Osseointegration transhumeral – surgical method, the indications, rehab and outcome  
MD PhD Rickard Bränemark, SE



09:15 – 10:15 COURSE

**Prothetische Versorgungen des Unterarms nach VQSA (PK6)**

In cooperation with Verein zur Qualitätssicherung in der Armprothetik e.V.

















Chair: Dieter Kretz, DE; Dipl.-Ing. Merkur Alimusaj, DE

- Prothesen bei angeborenen Reduktionsdefekten am Unterarm  
Jochen Steil, DE
- Schaftgestaltung nach VQSA bei einer Kinder-Dysmelie mit langem Unterarm  
Hans-Magnus Holzfuß, DE
- Neuartige intuitive Steuerungsvariante in der Unterarmprothetik – erste Erfahrungen  
Florian Muders, DE
- Besondere Anforderungen in der Prothesengestaltung bei Kindern  
Dipl.-Ing. Merkur Alimusaj, DE



# CONGRESS AND TRADE SHOW PROGRAMME

## WEDNESDAY, 16 MAY 2018

09:30 – 11:30	RETAIL FORUM / BUFA WALKS	
CCO, Room 10	<b>Bandagen – Indikation und Versorgung</b> In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)	  
10:00 – 10:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>medilogic – Innovative Druckmesstechnik für die Bewegungsanalyse im Orthopädieunternehmen</b> Dr.-Ing. Heiko Tober, DE Exhibitor: T&T medilogic GmbH	
10:00 – 10:45	EXHIBITOR WORKSHOP	
Messehaus, Room 21	<b>EasyStep-Vorfußprothese, Gipstechnik am Patienten</b> Peter Jauch, DE Exhibitor: JAUCH Orthopädietechnik GmbH	
10:00 – 10:45	EXHIBITOR WORKSHOP	
Messehaus, Room 22	<b>RevoFit Adjustable Sockets: "Can You Adjust?"</b> James A. Capra, NL Exhibitor: Ortho-Medico NV	
10:00 – 10:45	EXHIBITOR WORKSHOP	
CCO, Room 9	<b>SpryStep AFO: Put the spry back in your step</b> Dave Buchanan, UK Exhibitor: THUASNE DEUTSCHLAND GmbH	
10:00 – 11:45	EXHIBITOR WORKSHOP	
Messehaus, Room 24	<b>Its in my hands – everyday life structured by means of technology and training</b> Claudia Breidbach, DE; Susanne Breier, DE Exhibitor: ÖSSUR Europe BV	
10:30 – 11:45	PANEL DISCUSSION	
CCO, Open Forum	<b>Aktuelle Rechtsprechung zum Behindertenausgleich unter dem Aspekt des Bundesteilhabegesetzes</b> Presenters: Jörg Hackstein, DE; Dr. Doris Maier, DE  • Impuls-Statements Dr. Doris Maier, DE; Ralf Müller-Päuer, DE; Christiana Hennemann, DE; Ingrid Fischbach, DE (angefragt); Dr. Matthias Schmidt-Ohlemann, DE (angefragt)	



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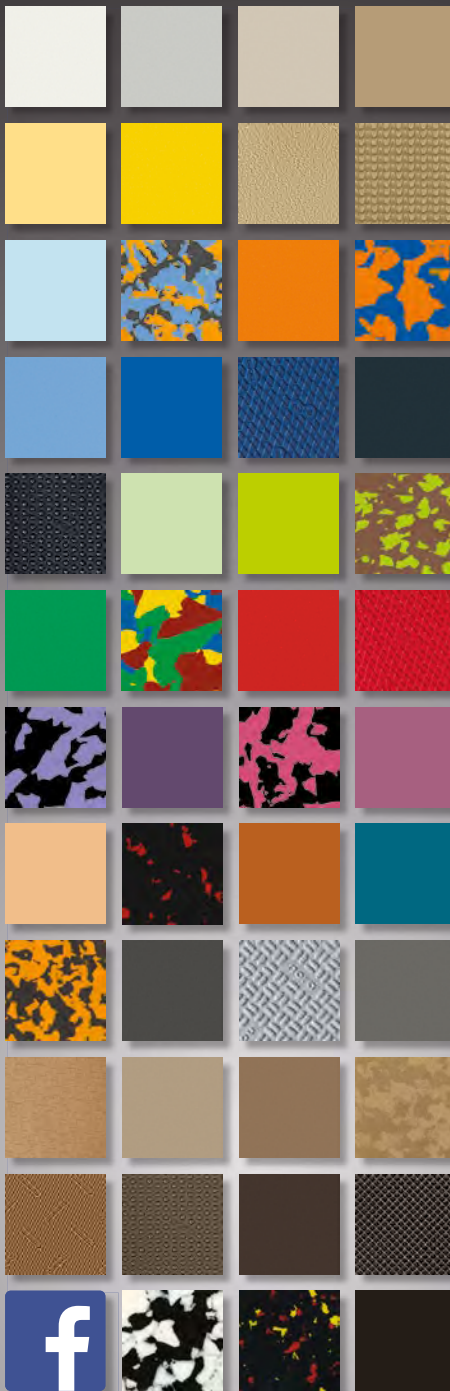
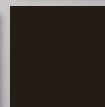
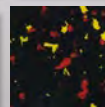
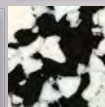
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## CONGRESS AND TRADE SHOW PROGRAMME

### WEDNESDAY, 16 MAY 2018

10:30 – 11:45 SYMPOSIUM

CCO, Room 1 **Digitisation – an assessment of practical experience for use in the practice**

Chair: Dr. med. Urs Schneider, DE; Lars Jäger, DE

- One way to the printed prosthesis – options and limitations of lower limb prostheses  
Dipl.-Ing. (FH) Johannes Pröbsting, DE
- Scan technology as an assistive method for producing a neuromuscular brace  
Martin Pfrommer, DE
- Integration of a digital process chain into the workflows of a modern orthopaedic technology workshop using the example of an orthotic device for the upper limbs  
Christian Kienzle, DE
- The influence on quality factors in the production of seating shells using CAD / CAM  
Stefan Lehmann, DE
- Digitisation of the production of orthopaedic shoes – practical experience and perspectives  
Martin Jaeger, DE



10:30 – 18:00 SYMPOSIUM

**Fortbildung für Durchgangsarzte: Unfallbegutachtung in der Gesetzlichen Unfallversicherung (DGUV: Begutachtungswesen)**

Chair: Dr. Ruprecht Beickert, DE; Ass. jur. Martin Forchert, DE

- Verwaltungsrechtliche Grundlagen der Zusammenhangsbegutachtung  
Ass. jur. Martin Forchert, DE
- Die medizinischen Grundlagen der Zusammenhangsbegutachtung in der gesetzlichen Unfallversicherung  
Dr. Ruprecht Beickert, DE

Die Anerkennung als Fortbildungsveranstaltung im Sinne der Ziffer 5.12 der Anforderungen der gesetzlichen Unfallversicherungsträger nach § 34 SGB VII zur Beteiligung am Durchgangsarztverfahren wurde bewilligt.



10:30 – 11:45 SYMPOSIUM

**Indications and limitations of treatment with sensorimotor foot orthoses**

Chair: Dr. Hartmut Stinus, DE; Dipl.-Ing. Thomas Stief, DE

- Literature review of treatment with sensorimotor insoles  
Dipl.-Ing. Thomas Stief, DE
- Design of sensorimotor insoles for different indications  
Michael Möller, DE



WEDNESDAY, 16 MAY 2018

- Pes planovalgus in children – Indication for sensorimotor insoles or surgery?  
Dr. Hartmut Stinus, DE
- Treatment guidelines for sensorimotor insoles  
Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE

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10:30–11:45 SATELLITE-SYMPOSIUM

**Schmerztherapie interdisziplinär**

In cooperation with Interdisziplinäre Gesellschaft für orthopädische/ unfallchirurgische und allgemeine Schmerztherapie (IGOST)

Chair: Prof. Dr. med. Hans-Raimund Casser, DE; Dr. med. Stefan Middeldorf, DE

- Stand und Herausforderungen in der Diagnostik und nichtoperativen Behandlung des Rückenschmerzes  
Prof. Dr. med. Hans-Raimund Casser, DE
- Gezielte Therapie mit Wirbelsäulenorthesen, am Beispiel der Dyneva  
Dr. Klaus John Schnake, DE
- Update CRPS  
Dr. med. Stefan Middeldorf, DE
- Perioperative Schmerztherapie  
Prof. Dr. med. Dr. h.c. Jörg Jerosch, DE



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10:30–11:45 FREE PAPERS

**Rehabilitation – Quality of life**

- Implementation of outcome measurement in daily routine of prosthetic clinics – challenges, choice of clinical instruments and collected evidence  
PhD Pawel Maciejasz, DE
- Development of the global prosthetic socket survey (leg)  
Sandra Sexton, UK
- Assessment of the gait in patients with a knee prosthesis  
Janina Müßig, DE
- Biomedical and psychosocial factors influencing transtibial prosthesis fit: A Delphi survey among health care professionals  
Erwin C. T. Baars, NL
- The effect of a novel ESAR foot prosthesis on biomechanics, functional capacity and lifestyle patterns in transtibial amputees: A South African study  
PhD Phoebe Runciman, ZA



# CONGRESS AND TRADE SHOW PROGRAMME

## WEDNESDAY, 16 MAY 2018

10:30–11:45 FREE PAPERS



### Orthotics – Assessment

- Monitoring everyday use of lower limb orthotics and quality of life in subjects with neuromuscular gait disorders  
Dipl.-Ing. (FH) Julia Block, DE
- Performance, patient benefits and acceptance of a new generation of microprocessor-controlled stance and swing control orthosis  
Dr. M.Sc. Alexander Krebs, AT
- CASE EXAMPLE: Evaluating the potential synergistic benefit of a dynamic realignment brace on patients receiving exercise therapy for patellofemoral pain syndrome  
Prof. Dr. Wolf Petersen, DE
- Efficacy of ankle foot orthoses on walking in children with cerebral palsy:  
A systematic literature review  
Dr. Atefeh Aboutorabi, IR
- CASE EXAMPLE: Increasing compliance by monitoring brace wearing time by idiopathic scoliosis patients  
M.Sc. Christian Grasl, AT

10:30–12:30 RETAIL FORUM / BUFA WALKS



CCO, Room 10 **Lymphologische Kompressionsstrumpfversorgung**  
In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)

11:00–11:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 21 **Sondersteuerung für Elektrorollstühle**  
Torsten Dohmen, DE  
Exhibitor: Talk Tools GmbH



11:00–11:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 25 **Modulare Orthesenversorgung – Diagnose, Biomechanik, Effizienz**  
Dr. med. Robert Krämer, ES  
Exhibitor: TIGGES-Zours GmbH



11:00–11:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 22 **HD Gel Technology**  
Veronika Soušková, CZ  
Exhibitor: Alps South Italy S.R.L.





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# CONGRESS AND TRADE SHOW PROGRAMME

## WEDNESDAY, 16 MAY 2018

- 
- 11:00 – 11:45 EXHIBITOR WORKSHOP 
- CCO, Room 8 **Evidenz mechatronischer Kniegelenke für Anwender eingeschränkter Mobilität – Diskussion**   
 Dr. Andreas Hahn, AT  
 Exhibitor: Otto Bock HealthCare GmbH
- 
- 11:00 – 11:45 EXHIBITOR WORKSHOP 
- CCO, Room 9 **Mobiderm Autofit: an innovative & efficient solution for the night time treatment of lymphedema**   
 Florence Bonnefoy, FR  
 Exhibitor: THUASNE DEUTSCHLAND GmbH
- 
- 11:30 – 13:30 RETAIL FORUM / BUFA WALKS 
- CCO, Room 10 **Brustprothetik – Die Versorgung nach Mamma-Operation**     
 In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)
- 
- 12:00 – 12:30 BATTLE SESSION 
- CCO,  
Open Forum **Paradigmenwechsel nach der Amputation?**     
 Chair: Dr. Stefan Simmel, DE
- Rehabilitationschancen nicht vergeben  
Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE
  - Rehabilitation selbstverständlich, aber der Zeitpunkt des Beginns der Reha sollte für einige Amputationshöhen überdacht werden  
Priv.-Doz. Dr. med. habil. Lutz Brückner, DE

WEDNESDAY, 16 MAY 2018

12:00 – 12:45 POSTER SESSION

CCO, Room 1 **Poster presentations with short lectures – Open topics**



- **Telemedicine: a promising rehabilitation strategy for Bangladesh**  
Mahmudul Hassan Al Imam, BD
- **Building P&O in Syria during war – the National Syrian Project for prosthetic limbs**  
Luai Alhallaak, TR
- **Treating patients with incomplete hospitals and rehabilitation records and the poor communication with the treating members team inside Syria**  
Luai Alhallaak, TR
- **Characteristic of structure and causes of limb amputation in soldiers suffered of the war conflict in the East of Ukraine**  
Artem Bespalenko, UA
- **HERMES – Tool zur Optimierung der interdisziplinären Kommunikation**  
M.Sc. Christian Grasl, AT
- **USA Kliniken: Klein-Evaluierungsfallstudien am Beispiel der Behandlung von Gewebe-Trauma mittels Unterdrückung von Scherkräften in Kontaktflächen**  
Dipl.-Ing., CPO, FAAOP Wieland Kaphingst, US
- **Pelvic axial rotation: missing parameter of idiopathic scoliosis brace treatment**  
Yalda Khoshhal, IR
- **Druckverteilungsmesssysteme – Medizinprodukte der Klasse Im. Ist ein objektiver Vergleich möglich?**  
Stefan Lehner, DE
- **Digital Orthopedics Factory**  
Davide Neri, IT
- **Staff experience of the prosthetic and orthotic rehabilitation service in Madagascar**  
Christian Rafamatanantsoa, FR
- **Review of cost-effectiveness of non-operative treatment in lateral epicondylitis: Literature review**  
Marjan Saeedi, IR
- **Dictionary of prosthetic and orthotic terms**  
Youssef Salam, LB
- **Limb lengthening of short transfemoral amputation stumps followed by osseointegration: a four patient case series**  
Orville Samuels, AU
- **The improvement of double claiming due to the irregularity of health commodities to services users of National Health Insurance Fund within service ce**  
Salome Jesse Saria, TZ
- **The use of virtual reality on children: A review article**  
M.Sc. Mahsa Sattari, IR

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## CONGRESS AND TRADE SHOW PROGRAMME

### WEDNESDAY, 16 MAY 2018

12:00–12:45 POSTER SESSION



#### Poster presentations with short lectures – Foot and shoe, trauma rehabilitation and sport

- **FALLBEISPIEL: Low Friction Interventions: Erfolgreiche Behandlung lepröser und diabetischer Füße in Guatemala**  
Dipl.-Ing., CPO, FAAOP Wieland Kaphingst, US
- **Effectiveness of the intra-articular injection of platelet autologous plasma in nonsurgical management of post-traumatic osteoarthritis**  
Prof. Ludmila Khimion, UA
- **Effects of rocker-bottom shoe on energy expenditure during walking: A systematic review**  
Maryam Maleki, IR
- **Influence of compression garments on postural stability during a transition task from double-leg stance to single-leg stance**  
Eddy Mellaerts, BE
- **Machbarkeitsstudie zur Veränderungen der Kniegelenksreibung durch Einlegesohlen im Gangzyklus durch SEA**  
Prof. Dr. rer. nat. Dipl.-Phys. Jörg Subke, DE

The ePosters are permanently displayed in the CCO on large screens.

12:00–12:45 POSTER SESSION



#### Poster presentations with short lectures – Orthotics

- **Effect of custom-made insole fabricated with medial heel skive on plantar pressure, pain and function in individuals with patellofemoral pain**  
Dr. Gholamreza Aminian, IR
- **50 % Primärkorrektur bei der idiopathischen Skoliose – Fiktion oder Realität?**  
M.Sc. Christian Grasl, AT
- **Entwicklung einer global anwendbaren, graphikbasierten Lehrhilfe zum orthetischen Flexgelenk (FG) – ein multinationales Lehrmittel – peer-reviewed**  
Dipl.-Ing., CPO, FAAOP Wieland Kaphingst, US
- **Biomechanik Vergleichsanalyse des Gehens eines Polio-Patienten, unter Verwendung einer Orthese mit elektronischer Standphasensteuerung**  
Peter Kuhn, BR
- **Orthesen bei ICP – von der Bewegungsanalyse zur Orthese**  
Michael Meyer, DE
- **Einfluss von Schultergelenkorthesen auf die Entwicklung eines Schulter-Arm-Syndroms nach Schlaganfall – Review evidenzbasierter Studien**  
B.Eng. Marvin Raslan, DE

## WEDNESDAY, 16 MAY 2018

- The effect of lower extremity orthoses on the control of knee hyper extension in stroke patient with hemiplegia  
Hediye Razikazemi, IR

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### 12:00 – 12:45 POSTER SESSION



CCO, Foyer

#### Poster presentations without short lectures

- FALLBEISPIEL: Orthetik versus FES – Versorgungsverbesserung durch Kombination?!  
B.Sc. Nils Bade, DE
- CASE EXAMPLE: Clinical Evaluation of a dynamic flexing lumbar orthosis on patients with neurogenic claudication – a prospective randomized study  
Dr. Klaus John Schnake, DE

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### 12:00 – 12:45 EXHIBITOR WORKSHOP



CCO, Room 8

#### „Weiter gehen.“ Nächste Generation C-Brace Orthesensystem

Christof Küspert, DE

Exhibitor: Otto Bock HealthCare GmbH



### 12:00 – 12:45 EXHIBITOR WORKSHOP



Messehaus,  
Room 21

#### Das RSC® Skoliose Korsett. Nutzen und Vorteile im konservativen Skoliose Management. Effizienzsteigerung und Partnerbindung durch das System

M.Sc. Christian Grasl, AT

Exhibitor: ORTHOLUTIONS GmbH & Co. KG



### 12:00 – 12:45 EXHIBITOR WORKSHOP



Messehaus,  
Room 22

#### Professionelle und günstige Bewegungsanalyse mit dem iPad – für Gang-, Lauf-, Rad- und Haltungsanalysen

Norbert Krosta, DE

Exhibitor: Dartfish Deutschland GmbH



### 13:00 – 13:45 EXHIBITOR WORKSHOP



Messehaus,  
Room 24

#### Applied Upper-limb Clinical and Technical innovations with Axis Shoulder, Boston Digital Arm, M-Fingers and Espire Elbow (Pro, Hybrid and Classic)

Michael M. Amrich Jr., US

Exhibitor: College Park Industries, Inc.



## CONGRESS AND TRADE SHOW PROGRAMME

### WEDNESDAY, 16 MAY 2018

13:00 – 13:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>Das innovative NexGear Tango Knöchelgelenkssystem: Funktionalität und Anwendung</b> Heiko Drewitz, DE Exhibitor: Otto Bock HealthCare GmbH	
13:00 – 13:45	EXHIBITOR WORKSHOP	
CCO, Room 9	<b>Evidence of mechatronic knee joints for users with limited mobility – discussion</b> Dr. Andreas Hahn, AT; Paul Peyer, AT Exhibitor: Otto Bock HealthCare GmbH	
13:00 – 13:45	EXHIBITOR WORKSHOP	
Messehaus, Room 21	<b>Funktionsprüfung mit System bei der Orthesenübergabe</b> Almut Dünnwald, DE; Sebastian Leinhäuser, DE Exhibitor: FIOR & GENTZ	
13:00 – 14:45	EXHIBITOR WORKSHOP	 
Messehaus, Room 25	<b>CONFIDENCE SOCKET: Direct-Molding Transtibial Interim Socket Live Fitting</b> Lucas Paes De Melo, DE Exhibitor: amparo GmbH	
13:00 – 16:00	EXHIBITOR WORKSHOP	
Messehaus, Room 22	<b>Lymphologische Versorgungen – Tipps und Tricks rund um die Flachstrickversorgung</b> Michaela Lundius, DE; Cornelia Rahn, DE Exhibitor: Ofa Bamberg GmbH	
13:30 – 15:00	RETAIL FORUM / SPECIALIST PROGRAMME	
CCO, Open Forum	<b>Kundenbindung im Onlinehandel / eCommerce</b> Gada von Bohr, DE	
14:00 – 14:45	EXHIBITOR WORKSHOP	
Messehaus, Room 21	<b>TechnoSpine – New Adult Scoliosis Brace showcase (at 14:00)</b> <b>SacroFix – New Pelvic Gridle Pain Brace showcase (at 14:25)</b> Andrew Mills, US; Tim Cook, US Exhibitor: The SpineCorporation Limited	

WEDNESDAY, 16 MAY 2018

14:00 – 14:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>Perfect match – Combinations of microprocessor controlled knee and foot prostheses from Ottobock</b> Christian Reitingner, AT Exhibitor: Otto Bock HealthCare GmbH	
14:00 – 14:45	EXHIBITOR WORKSHOP	
Messehaus, Room 24	<b>Der automatisierte zukunftsweisende Abrechnungsprozess von der Ladenkasse bis zur Buchhaltung</b> Wolfgang Sauer, DE; Norbert Geiger, DE Exhibitor: carelogic GmbH	
14:00 – 14:45	EXHIBITOR WORKSHOP	
CCO, Room 9	<b>Neue Knieorthesen zur modernen Behandlung der Gonarthrose mit erhöhter Compliance</b> Prof. Dr. Christian Heisel, DE Exhibitor: THUASNE DEUTSCHLAND GmbH	
15:00 – 15:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>LowMob Amputees: What are the key challenges today? Creating successful prosthetic outcomes for people with lower mobility expectations is a challenge. To help in your daily practice, a combination of solutions with available research, evidence and outcomes will be presented in an interactive format, from the perspective of Orthotist / Prosthetist and Therapist.</b> Dries Glorieux, NL Exhibitor: Otto Bock HealthCare GmbH	
15:00 – 15:45	EXHIBITOR WORKSHOP	
CCO, Room 9	<b>Dyneva – Verbesserung durch Bewegung: Erfahrungen und Tipps aus der Praxis</b> Dr. Nikolaus Gröbinger, AT; Timo Wolf, AT Exhibitor: Otto Bock HealthCare GmbH	
15:30 – 16:00	EXHIBITOR WORKSHOP	
CCO, Room 10	<b>Hebel im Gesundheitsmarkt – der Mehrwert eines ganzheitlichen Behandlungskonzeptes</b> Marvin Raslan, DE Exhibitor: SPORLASTIC GmbH	

# CONGRESS AND TRADE SHOW PROGRAMME

## WEDNESDAY, 16 MAY 2018

14:30 – 15:00 KEYNOTE SPEECH

CCO, Room 1

### Rehabilitation 4.0

Prof. Dr.-Ing. Robert Riener, CH

- Followed by: "Meet the speaker!"



15:15 – 16:30 SYMPOSIUM

CCO,  
Open Forum

### Wie wird versorgt? Chirurgische Problemlösungen am Stumpf

Chair: Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE

- Was zeichnet einen „guten“ Stumpf aus?  
Priv.-Doz. Dr. med. habil. Lutz Brückner, DE
- Chirurgische Problemlösungen  
Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE
- Wie geht es dennoch gut?  
Michael Schäfer, DE



15:15 – 16:30 SYMPOSIUM

CCO, Room 1

### Political framework for patient care

Presenters: Klaus-Jürgen Lotz, DE; Alf Reuter, DE



15:15 – 16:30 SATELLITE-SYMPOSIUM

### Prevention of overuse injuries

In cooperation with Gesellschaft für Orthopädisch-Traumatologische Sportmedizin (GOTS)

Chair: Univ.-Prof. Dr. med. Thomas Tischer, DE; Tino Spreklemeyer, DE

- Prevention of overuse injuries in children's competitive sports  
Prof. Dr. med. Holger Schmitt, DE
- Prevention in competitive sport – Alpine skiing  
Priv. Doz. Dr. Peter Brucker, DE
- Prevention in competitive sport – Karate  
Univ.-Prof. Dr. med. Thomas Tischer, DE
- Prevention Training – Possibilities  
PhD, PT Alli Gokeler, NL
- Orthopaedic technology options for preventing overuse injuries  
Tino Spreklemeyer, DE



WEDNESDAY, 16 MAY 2018

15:15 – 16:30 SYMPOSIUM



**Global trends and threats**

Chair: Jon Pearlman, US; Dr. med. Urs Schneider, DE

- The global need for assistive technology – a WHO perspective  
Chapal Khasnabis, CH
- Prosthetic needs and status of education in poor countries  
M.Sc. Heinz Trebbin, DE
- Rehabilitation engineering research and education efforts  
Rory Cooper, US
- Changing the game: ISWP – the International Society of Wheelchair Professionals  
Jon Pearlman, US

# Treatment of drop foot patients PeroBravo

Device for Functional Electric Stimulation (FES)  
suited for peripheral and central paresis

- Gait training with footswitch by gait-synchronous stimulation
- Single pulses in triangular shape
- Single pulses in trapezoidal shape
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- 60-days therapy control



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# CONGRESS AND TRADE SHOW PROGRAMME

## WEDNESDAY, 16 MAY 2018

15:15 – 16:15 FACTORY TALK

**Einlagen beim Sport (WG5)**



15:15 – 16:30 FREE PAPERS

**Orthotics upper extremity**

- Learning and identification of human upper-limb muscle synergies in daily-life tasks with autoencoders  
M.Sc. Tingli Hu, DE
- CASE EXAMPLE: Improvement and support of weakened hand/grip function using a bionic glove – User survey from Sweden  
Dipl.-Kffr. Konstanze Hager, DE
- Lesion of the brachial plexus: Plastic surgery and orthotic treatment options for paralysis of the upper limb – medical part  
Dr. med. Eike Tilman Wenzel, DE
- Lesion of the brachial plexus: Plastic surgery and orthotic treatment options for paralysis of the upper limb – Part II technical orthopaedics part  
Jens Becker, DE
- Innovative arm brace for plexus palsy  
Hartmut Semsch, DE



16:45 – 18:00 FREE PAPERS

CCO,  
Open Forum

**Freie Themen**

- Prozesssicherheit bei der additiven Fertigung von individuellen Produkten  
Marlene Ball, DE
- Mobile Bewegungserfassung mittels faseroptischer Sensoren  
M.Sc. Christopher Riehs, DE
- Gangbildaufzeichnung und -auswertung mit im Fußboden verbauten kapazitiven Sensoren  
Raoul Hoffmann, DE
- Ergebnisse von Strukturfestigkeitsprüfungen bei additiv gefertigten Testschäften für Unterschenkelamputationen  
Andreas Leiniger, DE
- Gesunde Haut mit innovativen Kompressionsstrümpfen  
Prof. Dr. med. Michael Jünger, DE





WEDNESDAY, 16 MAY 2018

16:45 – 18:00 SYMPOSIUM

CCO, Room 1

**Quality standards in prosthetic fittings for upper limbs**

Chair: Michael Schäfer, DE; Dipl.-Ing. Merkur Alimusaj, DE

- Help, I need to prescribe an arm prosthesis  
Dr. Falko von Stillfried, DE
- Basics of the quality standard  
Michael Schäfer, DE
- Treatment process according to quality standards  
Dipl.-Ing. Merkur Alimusaj, DE
- Factors that influence upper limb prosthesis acceptance and rejection –  
a literature review  
Dr. Andreas Kannenberg, US
- The “Trinity amputation and experience scales – revised (TAPES-R)” questionnaire –  
German translation and cultural adaptation  
Susanne Breier, DE



16:45 – 18:00 SATELLITE-SYMPOSIUM

**Future of compression – Focus on adherence and self-management**

In cooperation with Expertengruppe Kompressionstherapie

Chair: Prof. Dr. Stefanie Reich-Schupke, DE; Dr. Casper Grim, DE

- What about compression in daily practice? – Example Germany  
Prof. Dr. Stefanie Reich-Schupke, DE
- Modern compression in venous and mixed leg ulcers
- Current status of surgery in Lymphology and impact of compression in this concept  
Dr. Catarina Hadamitzky, DE
- Increase of self-management and adherence  
Dr. Anya Miller, DE
- Future of compression  
Prof. Dr. RJ Damstra, NL



## CONGRESS AND TRADE SHOW PROGRAMME

### WEDNESDAY, 16 MAY 2018

16:45 – 18:00 SATELLITE-SYMPOSIUM

#### **Surgical treatment of complex diabetic foot deformities. An international perspective by A-DFS**

In cooperation with Association of Diabetic Foot Surgeons (A-DFS)

Chair: Dr. Armin Koller, DE

- Prophylactic deformity correction. Is it indicated?
- Stump function after partial foot amputation  
Dr. Ralph Springfield, DE
- Continuous versus acute correction of Charcot foot deformity  
Dr. Armin Koller, DE
- Offloading of diabetic foot wounds  
Prof. Alberto Piaggese, IT
- Rehabilitation following reconstructive surgery  
Klaus Kirketerp-Møller, DK



16:45 – 18:00 FREE PAPERS

#### **Rehabilitation – Measurement evaluation**

- Development and distribution of receptive fields for triggering phantom sensations in leg amputees  
Prof. Dr. rer. nat., Dr. med. habil. Alfred Meier-Koll, DE
- BALEVA, an instrumental measuring method for quantifying balance in persons after lower leg amputation  
Dipl.-Ing. (FH) Daniel Heitzmann, DE
- Effects of crossover and energy storing prosthetic feet on laboratory- and community-based health outcomes in people with transtibial amputation  
PhD Sara Morgan, US
- Amputee activity-monitoring through prosthetic foot spring deflection measurements  
Dr. Piotr Łaszczak, UK
- Enhancement of prosthetic foot design – Linking mechanical gait test method and FE model for simulation of stiffness response  
Heimir Tryggvason, IS



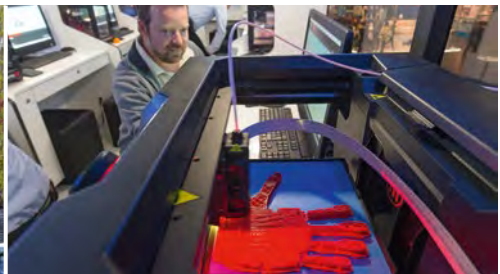
## WEDNESDAY, 16 MAY 2018

16:45 – 18:00 FREE PAPERS



### Foot and shoe – Foot pressure

- Design and evaluation of vibratory shoe on balance control for elderly subjects:  
Technical note  
Dr. Atefeh Aboutorabi, IR
- Comparison of in-shoe measurement systems for recording plantar pressure distribution in shoes  
Prof. Dr. habil. Klaus Peikenkamp, DE
- Plantar centre-of-pressure tracking in smart orthoses using sparse array of optimally-distributed pressure sensors  
Lou-Ann Raymond, UK
- Compression measuring stocking for diabetics and foot deformities  
Dr. Bernhard Brunner, DE
- Torsion and compression load on a planovalgus foot with and without a sensorimotor foot orthosis  
Nora Dawin, DE
- Evaluation of the feasibility of a partial weight-bearing supporting biofeedback system based on instrumented insoles and an Android application  
M.Sc. Veronika David, AT



# CONGRESS AND TRADE SHOW PROGRAMME

## THURSDAY, 17 MAY 2018

09:15 – 10:15 COURSE

CCO,  
Open Forum **Kooperation Arzt und Orthopädie-Techniker / Orthopädieschuhmacher –  
10 wichtige Fragen (PK14)**  
Bettina Hertkorn-Ketterer, DE



09:15 – 10:15 COURSE

CCO, Room 1 **Socket technology – What systems have proven useful  
in everyday routine? (PK8)**

Chair: Jan Becker, DE

- Socket technology for transtibial prostheses – state of the art  
Tim Baumeister, DE
- Special socket designs for special types of residual limbs  
Rémy Botta, CH
- Passive vacuum system – indispensable today  
Markus Piro, DE
- Does a vacuum assisted suspension system improve elderly transtibial amputees gait  
and balance close to non-amputee scores?  
Beatriz Samitier, PT



09:15 – 10:15 COURSE

**International nomenclature – How is it useful for me? (PK10)**

Chair: Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE

- How can we ensure global impact of local research? – The need for standard  
terminology in O&P  
PhD Anton Johannesson, SE
- International nomenclature used in amputation surgery  
Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE
- International nomenclature used in orthopaedic technology  
Matthias Schmitt, DE
- International nomenclature used for insoles, orthopaedic shoes and custom-made  
shoes  
Dipl.-Ing. Thomas Stief, DE



THURSDAY, 17 MAY 2018

09:15 – 10:15 COURSE

**Spina Bifida (PK11)**

Chair: Dipl.-Ing. Merkur Alimusaj, DE



- Die besonderen Herausforderungen in der Therapie und Behandlung von Patienten mit Spina bifida  
Dr. Theodor Michael, DE
- Möglichkeiten und Besonderheiten in der Physiotherapie bei Patienten mit Spina bifida  
Rosemarie Holm, DE
- Hilfsmittelversorgung von Kindern und Erwachsenen mit Spina bifida  
Dipl. OTM Marc Damerau, DE
- „How to treat“ Spina bifida und der besondere Fall



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# CONGRESS AND TRADE SHOW PROGRAMME

## THURSDAY, 17 MAY 2018

09:15 – 10:15 COURSE

### Rheumabehandlung interdisziplinär – eine vielschichtige Erkrankung erfordert vielschichtige Behandlungsansätze (PK12)

Chair: Prof. Dr. med. Markus Gaubitz, DE (angefragt)

- Rheuma – internistischer Part  
Prof. Dr. med. Markus Gaubitz, DE (angefragt)
- Orthopädische Rheumatologie: Warum der Rheumachirurg?  
PD Dr. med. Thomas Pauly, DE
- Rheuma aus Sicht des Orthopädienschuhtechnikers  
Michael Jahn, DE
- Behandlung beim Rheumatiker aus Sicht des Ergotherapeuten  
Ruth Koch, DE



09:15 – 10:15 COURSE

### Challenges of fitting a functional upper limb orthosis (PK9)

Chair: Michael Schäfer, DE; Jonathan Naft, UK

- Innovative hand orthosis concept in neurorehabilitation  
Jochen Steil, DE
- Experience with a 3D printed exoskeleton for improving function in children with upper limb paralysis  
Vivian Rose, US
- My own motion – Myoelectric orthosis system to improve function of the upper limbs  
Jonathan Naft, UK
- Print orthoses – Body-powered orthosis system after loss of hand grip functions  
Michael Schäfer, DE



09:15 – 10:15 COURSE

### Breitensport und Hilfsmittel (PK13)

- Schmerzfrei · Gesund · Bewegen – orthopädische Hilfsmittel im Breitensport  
Klaus Happes, DE
- Mein Weg zum Marathon  
Jochen Wier, DE



09:30 – 11:30 RETAIL FORUM / BUFA WALKS

CCO, Room 10 **Bandagen – Indikation und Versorgung**

In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)



THURSDAY, 17 MAY 2018

10:00 – 10:45 EXHIBITOR WORKSHOP

CCO, Room 8 **The innovative NexGear Tango ankle joint system – functionality and fitting**

Volker Schmidt, DE

Exhibitor: Otto Bock HealthCare GmbH



10:30 – 11:45 PANEL DISCUSSION

CCO, Open Forum **Kooperation zwischen Arzt und Orthopädie-Techniker unter dem Damoklesschwert des §128 SGB V. Was ist da noch möglich und erlaubt?**

Moderation: Klaus-Jürgen Lotz, DE



10:30 – 11:45 SYMPOSIUM

CCO, Room 1 **Quality standards in prosthetic fittings for lower limbs**

Chair: Priv.-Doz. Dr. med. habil. Lutz Brückner, DE; Michael Schäfer, DE

- Introduction to the compendium of quality standards for upper limb prosthetics  
Michael Schäfer, DE
- Quality standards in prosthetic fitting after foot amputations  
Dr. Armin Koller, DE
- Quality standards in prosthetic fitting after transtibial amputation  
Daniel Merbold, DE
- Quality standards in prosthetic fitting after transfemoral amputation  
Ingo Pfefferkorn, DE
- Quality standards in prosthetic fitting after hip disarticulation  
Olaf Gawron, DE



10:30 – 11:45 SYMPOSIUM

**Mechanical joint stress**

Chair: Univ.-Prof. Dr. Peter Augat, DE; Dr. Torsten Brauner, DE

- Measuring methods of motion analysis for determining the joint load  
Prof. Dr. Dieter Rosenbaum, DE
- Clinical interpretation of movement analysis  
Prof. Dr. Thomas Jöllenbeck, DE
- Joint loading during sport  
Univ.-Prof. Dr. Hermann Schwameder, AT
- Malpositions and incorrect loading of the foot and correction options with braces  
Dr. Harald Böhm, DE
- Loading of the knee joint and changes through knee braces  
Prof. Dr. Wolfgang Potthast, DE





# CONGRESS AND TRADE SHOW PROGRAMME

## THURSDAY, 17 MAY 2018

### 10:30–11:45 SYMPOSIUM



#### Research and development

Chair: Dr. med. Urs Schneider, DE; Lars Jäger, DE

- There is more than just stump/socket interface pressure!  
An FE analysis of the stump-socket interaction  
M.Sc. Ellankavi Ramasamy, DE
- The IMPAMP project: simulated implant and soft tissue socket interaction  
Dr. Alexander Dickinson, UK
- Improving residual limb climate – a new technology approach  
Dr. med. Urs Schneider, DE
- REHATHESE – a research approach to customized and adaptive lower limb orthotics  
Janis Conrad, DE

### 10:30–11:45 FREE PAPERS



#### Open topics – Manufacturing technology

- (Semi-) automated design of technical orthopaedic devices for production in additive manufacturing  
M.Sc. Hannes Schmück, DE
- Production of customised orthopaedic devices using additive manufacturing (3D printing) – a predictable disruptive change  
Dipl.-Ing. Volker Junior, DE
- Bench testing of (additive manufactured) orthotic and prosthetic appliances  
PhD Luiza Muraru, BE
- A novel technique for rapid-accurate 2D hand anthropometry  
Reza Osqueizadeh, IR
- Use of manually guided scanners in O&P  
Dipl.-Ing. (FH) Olaf Rach, DE

### 10:30–11:15 SESSION

#### Tag der Studierenden:

#### Hauptvorlesung der Universität Leipzig des Studiengangs Medizin

Closed event!

### 10:30–11:30 FACTORY TALK



#### Versorgung bei aufsteigenden Beinproblemen (WG2)

Stefan Woltring, DE

THURSDAY, 17 MAY 2018

10:30–12:30 RETAIL FORUM / BUFA WALKS

CCO, Room 10 **Lymphologische Kompressionsstrumpfvorsorgung**  
In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)



11:00–11:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 21 **Mobility Grade 2 Trans-femoral Amputee:  
A Complete Lower Limb Solution from College Park**  
Jonathan Cook, US  
Exhibitor: College Park Industries, Inc.



11:00–11:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 24 **Neuro-Orthotics-Compensating Functional restrictions due to  
neurological conditions**  
Berthold Bolkart, DE  
Exhibitor: Basko Healthcare B.V.



11:00–11:45 EXHIBITOR WORKSHOP

CCO, Room 8 **Moderne Methoden zur Ödemtherapie**  
Dr. Hans-Jürgen Thomä, DE  
Exhibitor: Bauerfeind AG



11:00–11:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 22 **Thrombose – Stau und Vollsperrung in den Venen, die unterschätzte Gefahr**  
Andreas Kobor, CH; Dr. med. Thomas Mattausch, DE  
Exhibitor: SIGVARIS GmbH



11:00–11:45 EXHIBITOR WORKSHOP

CCO, Room 9 **Dyneva – Improvement through Movement Study Results**  
Dr. Klaus John Schnake, DE  
Exhibitor: Otto Bock HealthCare GmbH



11:00–11:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 25 **Modulare Orthesenversorgung – Diagnose, Biomechanik, Effizienz**  
Dr. med. Robert Krämer, ES  
Exhibitor: TIGGES-Zours GmbH



# CONGRESS AND TRADE SHOW PROGRAMME

## THURSDAY, 17 MAY 2018

11:30 – 13:30 RETAIL FORUM / BUFA WALKS

CCO, Room 10 **Brustprothetik – die Versorgung nach Mamma-Operation**  
In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)



12:00 – 12:30 HOW TO TREAT?

CCO, **Amputation oder Rekonstruktion?**

Open Forum Chair: Prof. Dr. med. Volker Bühren, DE

- Vorstellung von Behandlungsbeispielen und Diskussion der Therapie-Entscheidung  
Dr. Markus Öhlbauer, DE; Dr. Matthias Militz, DE



12:00 – 12:45 POSTER SESSION

CCO, Room 1 **Poster presentations with short lectures – Prosthetics**

- Performance and satisfaction with intuitive multifunctional hand prosthesis control  
Sebastian Amsüss, AT
- Validierung der deutschen Version des "Trinity Amputation and Experience Scales – Revised – obere Extremität" – Umgang mit Prothesen und Amputationen  
Dipl.-Ing. (FH) Julia Block, DE
- Does use of a hydraulically articulating prosthetic ankle-foot device improve gait and walking performance in individuals with lower activity levels?  
PhD Alan De Asha, US
- Powered Flexion wrist with electric terminal device – preliminary clinical trials  
Scott Hosie, US
- Measuring the level of integration into home and community after prosthetic rehabilitation of person with major lower limb amputation  
B.Sc. Noor Jahan Akhtar, BD
- Comparative effectiveness of microprocessor and energy storing prosthetic ankles: Patient reported outcome measures  
Brian Kaluf, US
- A clinical algorithm for the selection of non-microprocessor controlled prosthetic knees  
Dr. Andreas Kannenberg, US
- Benefits of a microprocessor-enhanced hydraulic knee to unlimited community ambulators with a unilateral transfemoral amputation  
Dr. Andreas Kannenberg, US
- Effect of the variations of transfemoral socket alignment to attained optimum gait  
M. Phil. Aston Ndosi, TZ



THURSDAY, 17 MAY 2018

- Centre of pressure as robust indicator of compensatory movements during daily activities  
M.Sc. Barbara Pobatschnig, AT
- Assessment of gender inequality in prosthetics and orthotics training services offered at Tanzania Training Centre for Orthopaedic Technologist (TATCOT)  
Ingi Stephen, TZ

The ePosters are permanently displayed in the CCO on large screens.

12:00 – 12:45 POSTER SESSION



**Poster presentations with short lectures – Rehabilitation**

- Psychological adjustment to lower limb amputation among Bangladeshi prosthesis users  
Mahmudul Hassan Al Imam, BD
- Mirror therapy and body schema perception in CRPS  
Prof. Olexander Buryanov, UA
- Das Poland-Syndrom bei einem 14 jährigen Jungen und dessen Behandlung mit MC-Systemen  
Jorge Campos, CL
- Pilot Studie: Manualtherapeutische Bestimmung des ersten und zweiten Bindegewebewiderstandsanstiegs (BGW) bei Narben und Narbenplatten  
MAS, OMT, PT Thomas Koller, CH
- Complex regional pain syndrome treated with above knee amputation and osseointegration  
B.Sc., BE, PhD William Lu, AU
- Roles of gait training duration with robotic exoskeleton on walking parameters of spinal cord injury patient: a literature review  
PhD Maryam Maleki, IR

The ePosters are permanently displayed in the CCO on large screens.

12:00 – 12:45 POSTER SESSION



CCO, Foyer

**Poster presentations without short lectures**

- Functional and biomechanical assessments of a new energy storage and return foot; a preliminary study aimed at distinguishing relevant parameters  
Dr. Anaïs Gouteron, FR

The ePosters are permanently displayed in the CCO on large screens.

## THURSDAY, 17 MAY 2018

12:00 – 13:15 SYMPOSIUM



**Fortbildung für Durchgangsärzte:  
Konservative und operative Behandlungsmöglichkeiten bei Frakturen  
im Kindesalter (DGUV: Kindertraumatologie, Teil 1)**

In cooperation with Deutsche Gesellschaft für Orthopädie und Unfallchirurgie (DGOU)  
Sektion Rehabilitation – Physikalische Therapie and Vereinigung Technische Orthopädie  
e.V. (VTO)

Chair: Univ.-Prof. Dr. Ingo Marzi, DE; PD Dr. Dorien Schneidmüller, DE

- Konservative und operative Behandlungsmöglichkeiten am proximalen Oberarm und distalen Unterarm  
Prof. Dr. Peter Strohm, DE
- Die Wiederherstellung der Anatomie nach Verletzungen am Ellenbogengelenk – eine besondere Herausforderung  
Prof. Dr. Paul Hahn, DE
- Die Oberschenkelfraktur im Kindesalter und die altersabhängige Behandlung  
Univ.-Prof. Dr. Ingo Marzi, DE
- Kniebinnenverletzungen beim Kind – die zunehmende Häufigkeit und adaptierte Behandlungsverfahren  
Prof. Dr. Karl-Heinz Frosch, DE
- Sprunggelenksfrakturen und Übergangsfra­kturen der distalen Tibia und Indikation zur operativen Behandlung  
PD Dr. Dorien Schneidmüller, DE

Die Anerkennung als Fortbildungsveranstaltung im Sinne der Ziffer 5.12 der Anforderungen der gesetzlichen Unfallversicherungsträger nach § 34 SGB VII zur Beteiligung am Durchgangsarztverfahren wurde bewilligt.

12:00 – 13:15 FREE PAPERS



**Osseointegration**

- Single-stage osseointegrated reconstruction and rehabilitation of lower limb amputees  
B.Sc., BE, PhD William Lu, AU
- Comorbidities and long term bone remodelling effects of osseointegration surgery  
B.Sc., BE, PhD William Lu, AU
- Endo-Stem implant adapted exo-prosthesis supply concept:  
Static and dynamic prosthesis alignment in osseointegration  
Andreas Timmermann, DE
- A comparison of prosthetic mobility in amputees with osseointegration versus traditional amputation and socket  
PhD, PT Robert Gailey, US

THURSDAY, 17 MAY 2018

- Comparison of postural control parameters in amputees with an osseointegrated traditional socket prostheses  
PhD, PT Robert Gailey, US

12:00 – 13:00 FACTORY TALK

**Bedeutung des Prothesenaufbaus (WG3)**

Chair: Prof. Dr. rer. nat. habil. Siegmur Blumentritt, DE

- Prothesenaufbau aus Sicht des Orthopädie-Technikers  
Olaf Gawron, DE
- Prothesenaufbau aus der Sicht des Physiotherapeuten  
Iris Heyen, DE
- Biomechanisch begründeter Prothesenaufbau  
Prof. Dr. rer. nat. habil. Siegmur Blumentritt, DE



12:00 – 12:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 21

**Das RSC® Skoliose Korsett. Nutzen und Vorteile im konservativen Skoliose Management. Effizienzsteigerung und Partnerbindung durch das System**

M.Sc. Christian Grasl, AT

Exhibitor: ORTHOLUTIONS GmbH & Co. KG



12:30 – 13:00 RETAIL FORUM / EXHIBITOR WORKSHOP

CCO, Room 10

**Professionelle und günstige Bewegungsanalysen mit dem iPad – für Gang-, Lauf-, Rad- und Haltungsanalysen**

Norbert Krosta, DE

Exhibitor: Dartfish Deutschland GmbH



13:00 – 13:45 EXHIBITOR WORKSHOP

CCO, Room 9

**Ein moderner Steuerungsansatz für die verbesserte Ansteuerung der bebionic Hand**

Martin Wehrle, AT

Exhibitor: Otto Bock HealthCare GmbH



13:00 – 13:45 EXHIBITOR WORKSHOP

CCO, Room 8

**medilogic – innovative Druckmesstechnik für die Bewegungsanalyse im Orthopädieunternehmen**















Dr.-Ing. Heiko Tober, DE

Exhibitor: T&T medilogic GmbH



## CONGRESS AND TRADE SHOW PROGRAMME

### THURSDAY, 17 MAY 2018

13:00 – 13:45	EXHIBITOR WORKSHOP	
Messehaus, Room 22	<b>Neurokompetenz als Wettbewerbsvorteil</b> Marvin Raslan, DE Exhibitor: SPORLASTIC GmbH	
13:00 – 13:45	EXHIBITOR WORKSHOP	
Messehaus, Room 21	<b>Funktionsprüfung mit System bei der Orthesenübergabe</b> Almut Dünwald, DE; Sebastian Leinhäuser, DE Exhibitor: FIOR & GENTZ	
14:00 – 14:45	EXHIBITOR WORKSHOP	
CCO, Room 9	<b>Functionality meets Know-How – Otto Bock Body-Powered systems</b> Simon Marschall, DE; Niklas Windolph, DE Exhibitor: Otto Bock HealthCare GmbH	
14:00 – 14:45	EXHIBITOR WORKSHOP	
Messehaus, Room 24	<b>TechnoSpine – new Adult Scoliosis Brace showcase (at 14:00)</b> <b>SacroFix – new Pelvic Girdle Pain Brace showcase (at 14:25)</b> Andrew Mills, UK; Tim Cook, UK Exhibitor: The SpineCorporation Limited	
14:00 – 14:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>An advanced technological solution that provides better control for the bebionic hand</b> Martin Wehrle, AT Exhibitor: Otto Bock HealthCare GmbH	
14:00 – 16:00	EXHIBITOR WORKSHOP	
Messehaus, Room 21	<b>Kundenindividuell beraten und verkaufen – ein kurzer Einblick</b> Michaela Lundius, DE Exhibitor: Ofa Bamberg GmbH	
15:00 – 15:45	EXHIBITOR WORKSHOP	
CCO, Room 8	<b>„Weiter gehen.“ Nächste Generation C-Brace Orthesensystem</b> Christof Küspert, DE Exhibitor: Otto Bock HealthCare GmbH	



THURSDAY, 17 MAY 2018

15:00 – 15:45 EXHIBITOR WORKSHOP

Messehaus,  
Room 22 **RevoFit Adjustable Sockets: Technician Training**  
Joseph Mahon, NL  
Exhibitor: Ortho-Medico NV



13:30 – 15:00 RETAIL FORUM / SPECIALIST PROGRAMME

CCO,  
Open Forum **Emotional Retailing – der Kunde und Patient im Mittelpunkt**  
Wolfgang Gruschwitz, DE



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# CONGRESS AND TRADE SHOW PROGRAMME

## THURSDAY, 17 MAY 2018

15:30 – 16:00 RETAIL FORUM / EXHIBITOR WORKSHOP

CCO, Room 10 **Hebel im Gesundheitsmarkt – der Mehrwert eines ganzheitlichen  
Behandlungskonzeptes**

Marvin Raslan, DE

Exhibitor: SPORLASTIC GmbH



14:30 – 15:00 KEYNOTE SPEECH

CCO, Room 1 **From the mountain to the wheelchair and back**

Felix Brunner, DE

- Followed by: "Meet the speaker!"



15:15 – 16:30 SYMPOSIUM

CCO,  
Open Forum **Aus- und Weiterbildungsperspektiven in der Technischen Orthopädie**

Chair: Alfons Fuchs, DE (angefragt); Olaf Kelz, DE

- Dialog: BUFA Meister-Lehrgang / Studiengang Orthobionik  
Martin Münch, DE; B.Sc. Ralf-Thomas Münch, DE
- Fortbildungsprüfung nach §42a der HWO für Verkaufspersonal im Sanitätshaus  
Olaf Kelz, DE
- Berufsbildung 4.0 – Fachkräftequalifikationen und Kompetenzen für die digitalisierte Arbeit von morgen, Fokus: Orthopädietechnik-Mechaniker/-in  
Claudia Böcker, DE
- Blick in die Zukunft  
Stefan Bieringer, DE (angefragt)



15:15 – 16:30 SATELLITE-SYMPOSIUM

CCO, Room 1 **Athlete's knee, instability**

In cooperation with Gesellschaft für Orthopädisch-Traumatologische Sportmedizin (GOTS)

Chair: Prof. Dr. med. Martin Engelhardt, DE; Markus Rehm, DE

- Patellar instability  
Dr. Daniel Wagner, DE
- Treatment of the anterior cruciate ligament rupture  
Prof. Dr. med. Martin Engelhardt, DE
- Procedure for injuries of the collateral ligaments and the medial and lateral soft tissues  
Dr. Casper Grim, DE
- Treatment strategies for knee dislocation  
Prof. Dr. Wolf Petersen, DE
- Rehabilitation of knee ligament injuries – Return to sports  
PhD, PT Alli Gokeler, NL



THURSDAY, 17 MAY 2018

15:15 – 16:30 SYMPOSIUM



**Fortbildung für Durchgangsärzte:**

**Das schwerbrandverletzte Kind – Behandlungsstrategien und Hilfsmittelversorgung (DGUV: Kindertraumatologie, Teil 2)**

Chair: Dr. Kay Großer, DE; Silke Auler, DE

- Besonderheiten und Herausforderungen der Hilfsmittelversorgung in der Kinderchirurgie  
Dr. Kay Großer, DE
- Praxisbericht – die Anfertigung von massgeschneiderten Verbrennungsanzügen  
Eduard Meyer, CH
- Interprofessionelle Zusammenarbeit in der Verbrennungssprechstunde  
Dr. Torsten Hannmann, DE
- 3D-Scan als Standard in der Maßsilikonversorgung bei Verbrennungen  
Alexander von Kuhlberg, DE
- Wie kann der Hilfsmittel-Spezialist helfen, die Übergänge der Versorgung aus der Verbrennungsspezialklinik zur Reha-Klinik und dann zur ambulanten wohnortnahen Nachsorge zu optimieren?  
Tobias Trappe, DE

Die Anerkennung als Fortbildungsveranstaltung im Sinne der Ziffer 5.12 der Anforderungen der gesetzlichen Unfallversicherungsträger nach § 34 SGB VII zur Beteiligung am Durchgangsarztverfahren wurde bewilligt.

15:15 – 16:30 FREE PAPERS



**Prosthetics lower extremity – Components**

- Randomized, cross-over multicenter study evaluating a novel electronic prosthetic knee joint for moderately active amputees  
Dr. med. Leonard Ndue, AT
- On the (Im-)possibility to predict who may benefit from a microprocessor controlled prosthetic knee component  
Dr. Andreas Hahn, AT
- Effects of new microprocessor-controlled knee on safety, mobility and satisfaction of lower activity patients with transfemoral amputation  
Dr. Milana Mileusnic, AT
- The functional added-value of a microprocessor-controlled knee joint for amputees over the age of 65 years, a pilot study  
PhD Bea Hemmen, NL
- Benefits of microprocessor-controlled prosthetic knees in limited community ambulators (mobility grade 2) – a systematic review of the literature  
Dr. Andreas Kannenberg, US

## CONGRESS AND TRADE SHOW PROGRAMME

### THURSDAY, 17 MAY 2018

15:15 – 16:30 FREE PAPERS



#### Orthotics – Biomechanics

- The static alignment of leg orthoses  
M.Sc. Heiko Drewitz, DE
- CASE EXAMPLE: Options of different GRAFO concepts for walking on changing surfaces: Comparison of biomechanical parameters in a single case study  
Dr. Thomas Schmalz, DE
- Custom orthoses in sport – redefining limits  
Hartmut Semsch, DE
- Evaluation of the orthotic fitting options for the lower limb after paraplegia  
Dipl.-Ing. (FH) Daniel Sabbagh, DE
- How does the type of KAFO affect gait efficiency and community mobility: A randomized clinical trial comparing the micro-processor controlled KAFO (MPO) vs SCO vs KAFO  
PhD PT Arun Jayaraman, US

15:15 – 16:30 FREE PAPERS



#### Quality of life amputation

- Using body worn sensors to assess postural control of lower limb amputees during the modified test if sensory interaction and balance  
PhD, PT Robert Gailey, US
- Initial results of a clinical study with trauma forefoot amputees: Comparison of gait parameters wearing a customized carbon and a silicon prosthesis  
M.Eng. Eugen Dötzel, DE
- Effect of postoperative ambulation on the quality of life in a transtibial amputee  
MBBS MS (ENT) Poonji Gupta, IN
- Rehabilitation of PCL injuries with a dynamic force PCL brace – an expert consented rehabilitation recommendation  
Dr. med. Axel Schulz, DE
- Prospective study of the trunk musculature on the effect of compressive lumbar bandages in patients with acute low back pain  
Prof. Dr. med. Christoph Anders, DE

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## CONGRESS AND TRADE SHOW PROGRAMME

### THURSDAY, 17 MAY 2018

15:15 – 18:00 COURSE



#### Fortbildung für Mediziner: Amputationschirurgie

Basiskurs der Initiative '93 – der BasisCourse richtet sich besonders an Mediziner und vermittelt in kompakter Form Basiswissen der Technischen Orthopädie

Chair: Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE

- **Prinzipien der Amputationschirurgie**  
Dr. med. Dipl. Sportl. Rainer Eckhardt, DE
- **Amputation am Fuß und Rückfuß**  
Dr. Tymoteusz Budny, DE
- **Amputation am Unterschenkel**  
Priv.-Doz. Dr. med. habil. Lutz Brückner, DE
- **Amputation an Knie, Oberschenkel und Hüfte**  
Dr. med. Dipl. Sportl. Rainer Eckhardt, DE
- **Amputation obere Extremität**  
Priv.-Doz. Dr. med. habil. Lutz Brückner, DE
- **Indikation für Stumpfkorrekturen**  
Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE

16:45 – 18:00 SYMPOSIUM



CCO, Room 1 **Latest advancements in digital shaping of prostheses and orthoses**

Chair: Dr. Franz Landauer, AT; Dr. med. Urs Schneider, DE

- **Options and limitations of 3D scan data and CAD design**  
Florian Blab, DE
- **Standards and testing of 3D printed prosthetic and orthotic devices to address liability and quality issues: gaps, frameworks and directions**  
Dr. Silvia Ursula Raschke, CA
- **How can we differentiate two scan-data?**  
Pauline Gaston, FR
- **Shaping prostheses and orthoses from CT and MRI data**  
Dr. Franz Landauer, AT
- **From the concept to the product**  
Dipl.-Ing. Johann Fierlbeck, AT
- **3D-printed braces in clinical routine**  
Dipl.-Orth. Prot. Andreas Würsching, HR

THURSDAY, 17 MAY 2018

16:45 – 18:00 SYMPOSIUM



**How not to amputate the Charcot foot:  
The necessity of interdisciplinary cooperation**

Chair: Dr. Tjerk de Ruiter, NL

- An introduction to Charcot  
Dr. Tjerk de Ruiter, NL
- State of the art in early detection and early intervention of the Charcot foot  
Sjef van Baal, NL
- Interdisciplinary approach to the Charcot foot  
Rob Verwaard, NL
- Compliance of the Charcot patient  
Dr. Tessa Busch, NL

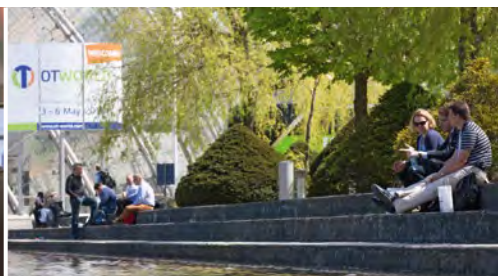
16:45 – 18:00 SYMPOSIUM



**Functional, gait analysis-adapted devices in paediatric rehabilitation**

Chair: Prof. Dr. med. Frank Braatz, DE; Karsten Wegener, DE

- Gait analysis in physiotherapy/rehabilitation  
Kirsten Götz-Neumann, US
- Instrumental gait analysis for the planning and objective evaluation of devices  
Dr. Harald Böhm, DE
- Gait analysis with the Xbox – Does it work?  
Arthur Bennink, NL
- Influence of orthopaedic devices on gait pattern  
Dipl.-Ing. Merkur Alimusaj, DE
- Examples of orthoses to improve function  
Reinhard Kaumkötter, DE



## CONGRESS AND TRADE SHOW PROGRAMME

### THURSDAY, 17 MAY 2018

16:45 – 18:00 SATELLITE-SYMPOSIUM



#### Management of knee osteoarthritis – Options to preserve the joint

In cooperation with Deutsche Gesellschaft für Arthrosemangement e.V. (DGFAM)

Chair: Prof. Dr. med. Dr. h.c. Jörg Jerosch, DE; Prof. Dr. med. habil. Gunter Spahn, DE

- The burden of osteoarthritis  
Dr. med. Axel Schulz, DE
- Osteoarthritis & sports  
Prof. Klaus Baum, DE
- The unloader braces in clinical use  
Amit Chandratreya, UK
- The economic impact of unloader braces in the NHS setting  
Paul Y F Lee, UK
- Health economic evaluation of pharmaceutical knee OA management  
Prof. Dr. med. Dr. h.c. Jörg Jerosch, DE
- Surgical strategies to prevent/delay OA progression  
Prof. Dr. med. habil. Gunter Spahn, DE

16:45 – 18:00 SYMPOSIUM



#### Fortbildung für Durchgangszärzte: Sondersituationen in der Kindertraumatologie (DGVU: Kindertraumatologie, Teil 3)

Chair: Prof. Dr. Peter Strohm, DE; Prof. Dr. Dr. Peter Schmittenbecher, DE

- Reposition der suprakondyläre Humerusfraktur – Tipps und Tricks – Wann muss ich offen reponieren?  
Prof. Dr. Dr. Peter Schmittenbecher, DE
- Problemzone diaphysärer Übergang – Versorgungsmöglichkeiten  
Prof. Dr. Ulf Bühlig, DE
- Die pathologische Fraktur – wann ist eine Biopsie erforderlich?  
PD Dr. Alexander Spiro, DE
- Achsfehler nach Frakturen der unteren Extremität – Analyse und Korrekturmöglichkeiten der Beinachse und Beinlänge  
Priv.-Doz. Francisco Fernandez, DE



THURSDAY, 17 MAY 2018

- Ist das CT im Kindesalter kontraindiziert? – Indikationen und Verfahren aus radiologischer Sicht?

Univ.-Prof. Dr. Hans-J. Mentzel, DE

Die Anerkennung als Fortbildungsveranstaltung im Sinne der Ziffer 5.12 der Anforderungen der gesetzlichen Unfallversicherungsträger nach § 34 SGB VII zur Beteiligung am Durchgangsarztverfahren wurde bewilligt.



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# CONGRESS AND TRADE SHOW PROGRAMME

## FRIDAY, 18 MAY 2018

09:15 – 10:15 COURSE

CCO,  
Open Forum

### Neuer Denkansatz zur Versorgung: Spiraldynamik mit Konsequenzen für das orthopädie-technische Handwerk (PK21)

Chair: Dr. phil. Jens Wippert, DE

- Theoretische Einführung in das Spiraldynamik®-Konzept; Wahrnehmung Zusammenhang Aufrichtung Wirbelsäule und Aufrichtung Fuß; Pathomechanische Zusammenhänge gängiger Fußbeschwerden; Selbstmobilisation Fußverschraubung; Aktive Fußverschraubung  
Dr. phil. Jens Wippert, DE



09:15 – 10:15 COURSE

CCO, Room 1

### Diabetes – Protective shoe, surgical shoe (PK15)

In cooperation with ISPO Germany e.V.

Chair: Michael Möller, DE

- Clear indications for a surgical shoe, offloading shoe and diabetic safety shoe  
Dr. Dirk Lammers, DE
- International fitting concepts for patients with diabetic foot syndrome  
Dr. Camillo Buratto, IT
- Surgical shoes and diabetic safety shoes for diabetic foot syndrome – quality features  
Sascha Wigge, DE
- Results of the evaluation (§275 SGB V) in MDK Westfalen-Lippe of orthopaedic shoe fittings for diabetes-induced foot damage  
Dr. med. Heinrich Greive, DE



09:15 – 10:15 COURSE

### Die Bedeutung des oberen Sprunggelenkes in der neuromuskulären Beinorthetik (PK19)

Chair: Gerhard Biber, DE

- Gehen Verstehen – Gangdiagnostik und konsekutive interdisziplinäre Therapie  
Kirsten Götz-Neumann, US
- Was leisten Unterschenkelorthesen zur Verbesserung des Gangbildes bei Kindern mit Zerebralparese  
Dr. Harald Böhm, DE
- Funktionelle Beinorthesen – das OSG als Dreh- und Angelpunkt  
Gerhard Biber, DE



FRIDAY, 18 MAY 2018

09:15 – 10:15 COURSE

## Die Instrumentelle Bewegungsanalyse – in der Orthopädie-Technik unverzichtbar oder entbehrlich? (PK18)

Chair: Dipl.-Ing. (FH) Daniel Heitzmann, DE

- Bewegungsanalyse zur biomechanischen Bewertung der Versorgung  
Dr. rer. nat. Sebastian Wolf, DE
- Die alltägliche Biomechanik in der orthopädiotechnischen Werkstatt – die biomechanischen Wirkprinzipien, die man instinktiv richtig anwendet  
Dipl.-Ing. (FH) Daniel Heitzmann, DE
- Feintuning der funktionellen Elektrostimulation bei Fußheberschwäche  
Ing.-Dr. Andreas Kranzl, AT



09:15 – 10:15 COURSE

## Challenges in the provision for congenital deformities of upper limbs (PK17)

Chair: Michael Schäfer, DE; Wiebke Hülsemann, DE

- Surgical procedures designed to improve upper limbs function affected by congenital deformities  
Wiebke Hülsemann, DE
- Provisions for upper limbs affected by congenital deformities  
Michael Schäfer, DE
- Long-term results of supplying prosthetic devices for upper limbs affected by congenital deformities in children  
Wolfgang Gröpel, DE
- Living with deformities of the upper limbs  
Dr. Georg Fraberger, AT



# CONGRESS AND TRADE SHOW PROGRAMME

## FRIDAY, 18 MAY 2018

09:15 – 10:15 COURSE

### Versorgung nach thermischen Verletzungen (PK20)

- Physikalische Methoden zur Narbentherapie in der Rehabilitation nach thermischen Verletzungen  
Dr. Hans Ziegenthaler, DE
- Ergotherapie bei Narben an den oberen Gliedmaßen in der Rehabilitation Brandverletzter  
Dagmar Lacheim, DE
- Kompressionstherapie mit textilen Segmenten  
Holger Pauli, DE
- Orthesen und Silikonpelotten  
Eduard Meyer, CH



09:15 – 10:15 COURSE

### Osseointegration for transtibial amputees (PK16)

Chair: Priv.-Doz. Dr. med. habil. Lutz Brückner, DE

- First experience  
Dr. med. Horst-Heinrich Aschoff, DE
- Indications and vascular patients  
Dr. Henk van de Meent, NL
- Surgical aspects and implant design  
Dr. Jan Paul Frölke, NL
- Clinical results  
R. Atallah, NL
- Prosthetic aspects  
Marco Papenburg, NL
- Research  
Dr. Claudia Neunaber, DE



09:30 – 11:30 RETAIL FORUM / BUFA WALKS

CCO, Room 10 **Bandagen – Indikation und Versorgung**

In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)



FRIDAY, 18 MAY 2018

10:30 – 11:45 FREE PAPERS



CCO, Room 1 **Prosthetics lower extremity – Socket**

- The reliability and validity of the comprehensive lower-limb amputee socket survey:  
A measure of stability, suspension, comfort and appearance  
PhD, PT Robert Gailey, US
- CASE EXAMPLE: A novel adaptive socket concept for transfemoral users –  
initial results  
Dipl.-Ing. (FH) Björn Altenburg, DE
- Bariatric amputee: A growing problem?  
B.Sc. Dominic Hannett, UK
- Findings of a patient trial of perforated, pin-lock prosthetic liners  
Joe McCarthy, UK
- Material properties and clinical outcomes with the infinite socket  
Garrett Hurley, US

10:30 – 11:45 FREE PAPERS



**Orthotics – Osteoarthritis**

- Unloader bracing, an option for non-surgical treatment of degenerative meniscal  
tears  
DO, M.Eng. Micah Nicholls, US
- Orthoses within the treatment of osteoarthritis of the knee: Biomechanical  
comparison of KO and AFO principles regarding function and effectiveness  
Dr. Thomas Schmalz, DE
- Ankle joint with knee rotation mechanism for patients with knee osteoarthritis  
M.Eng. Taku Itami, JP
- CASE EXAMPLE: The Agilium Freestep study – effect of a knee OA ankle brace on  
medial osteoarthritis  
Prof. Dr. Wolf Petersen, DE
- Expert consensus recommendation: Implication of a hip unloader brace in hip OA  
management: Who, when and how?  
Dr. med. Axel Schulz, DE

## FRIDAY, 18 MAY 2018

10:30 – 11:45 SYMPOSIUM



### Fortbildung für Durchgangsarzte: Rehabilitation nach Amputation an der unteren Extremität und Exoprothesenversorgung (DGVV: Rehabilitationsmanagement, Teil 1)

In cooperation with Deutsche Gesellschaft für Orthopädie und Unfallchirurgie (DGOU) Sektion Rehabilitation – Physikalische Therapie und Vereinigung Technische Orthopädie e.V. (VTO)

Chair: Dr. med. Hartmut Bork, DE; Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE

- Leitlinie der DGOU für die Rehabilitation nach Major-Amputation an der unteren Extremität  
Dr. med. Hartmut Bork, DE
- Probleme in der Versorgung bei Amputierten in der ambulanten und stationären Rehabilitation  
Prof. Dr. med. Dipl. Oec. Bernhard Greitemann, DE
- Probleme in der Phase der Interimsversorgung aus orthopädietechnischer Sicht  
Bernd Sibbel, DE
- Lebensqualität und Aktivität nach Oberschenkelamputation  
Sabine Drisch, DE
- Standardisierte Anamnese und Verlaufsdokumentation für Patienten nach Beinamputation und deren Versorgung  
Dipl.-Ing. (FH) Julia Block, DE

Die Anerkennung als Fortbildungsveranstaltung im Sinne der Ziffer 5.12 der Anforderungen der gesetzlichen Unfallversicherungsträger nach § 34 SGB VII zur Beteiligung am Durchgangsarztverfahren wurde bewilligt.

10:30 – 11:45 SATELLITE-SYMPOSIUM



### Shoulder and elbow instabilities

In cooperation with Gesellschaft für Orthopädisch-Traumatologische Sportmedizin (GOTS)

Chair: Prof. Dr. med. Martin Engelhardt, DE; Dr. Casper Grim, DE

- Basics of shoulder instability  
Dr. Casper Grim, DE
- Update on treatment concepts for shoulder instability  
Prof. Dr. Pierre Hepp, DE
- Basics of elbow instability  
Dr. Florian Pfalzer, DE
- Update on treatment concepts for elbow instability  
Dr. Frank Hoffmann, DE
- Advantages and disadvantages of technical orthopaedic treatment for shoulder and elbow instability  
Boris Bertram, DE

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# CONGRESS AND TRADE SHOW PROGRAMME

## FRIDAY, 18 MAY 2018

10:30 – 11:45 SYMPOSIUM

### Approaches from orthopaedic technology and orthopaedic footwear technology in the treatment of stroke patients

- Consequences and requirements for rehabilitation  
Prof. Dr. Dr. Paul W. Schönle, DE
- Stroke from the viewpoint of p&o  
Benedikt Preisler, DE
- Stroke from the viewpoint of physiotherapy
- Stroke from the viewpoint of orthopaedic footwear technology  
Stefan Woltring, DE (solicited)



10:30 – 11:30 FACTORY TALK

### Die Notwendigkeit der Prothesengebraucherschulung im Versorgungsprozess (WG4)

Olaf Gawron, DE; Markus Piro, DE



10:30 – 12:30 RETAIL FORUM / BUFA WALKS

CCO, Room 10 **Lymphologische Kompressionsstrumpfvorsorgung**

In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)



11:30 – 13:30 RETAIL FORUM / BUFA WALKS

CCO, Room 10 **Brustprothetik – die Versorgung nach Mamma-Operation**

In cooperation with Bundesfachschule für Orthopädie-Technik (BUFA)



12:00 – 12:30 AWARDS CEREMONY

CCO,  
Open Forum **Awards Ceremony**

- Award of the Best-Paper-Prize, ePoster-Prize and Prize for Young Professionals



12:00 – 12:30 KEYNOTE SPEECH

CCO, Room 1 **Neural Stimulation for enhanced standing and walking after paralysis or limb loss**

Dr. Ronald Triolo, US

- Followed by: "Meet the speaker!"





## FRIDAY, 18 MAY 2018

13:00 – 14:15 FREE PAPERS

CCO,  
Open Forum

### Prothetik – Biomechanik Fußpassteile

- Entwicklung wichtiger Leistungsindikatoren für Prothesenfüße – vereinfachtere Beschreibung komplexer mechanischer Eigenschaften von Prothesenfüßen  
Dipl.-Ing. Felix Starker, IS
- Biomechanische Wirkung eines Karbonfaserfußes mit großem Bewegungsumfang bei Steigungen  
Dipl.-Ing. Merkur Alimusaj, DE
- Gehen auf Schrägen mit sich abrupt ändernden Steigungen: Bewegungsmuster von Unterschenkelamputierten bei Verwendung eines mikroprozessorgesteuerten bzw. eines herkömmlichen Prothesenfußes  
Dr. Thomas Schmalz, DE
- Energy expenditure during self-paced walking with two different prosthetic feet  
M.Sc. Laurens van Kouwenhove, NL
- How microprocessor controlled prosthetic feet can support lower limb amputees while standing and walking on ramps  
PhD Michael Ernst, DE



13:00 – 14:15 FREE PAPERS

### 3D-printing

- World's 1<sup>st</sup> 3D printed prosthetic feet – ISO-tested & certified up to K4  
Manuel Opitz, DE
- Virtual crash tests for 3D printed prosthetic feet – Validation of an FE simulation of the ISO 10328 test standard  
Carolin Taubmann, DE
- Evidence of structural strength of customised 3D printed orthopaedic devices  
Prof. Dr.-Ing. David Hochmann, DE
- Create a 3D printed, custom made AFO with enhanced material properties through the use of carbon fiber tape by utilizing a state of the art hand tool  
Clemens Rieth, DE



# CONGRESS AND TRADE SHOW PROGRAMME

## FRIDAY, 18 MAY 2018

13:00–14:15 SYMPOSIUM

CCO, Room 1 **Socket design for transfemoral prostheses – How much socket is needed?**

Chair: Olaf Gawron, DE; Prof. Dr. med. Frank Braatz, DE

- Biomechanical factors affecting functional socket design  
Bernd Sibbel, DE
- Challenges in AK-Socket – Design, IRC or Subischial? When and why?  
Jason Kahle, US
- Ramus containment – More and less with M.A.S.!  
Marlo Ortiz, MX
- Functional bionic socket design variants for thigh prostheses  
Olaf Gawron, DE



13:00–14:15 SYMPOSIUM

**Fortbildung für Durchgangszärzte: Therapie nach Hilfsmittelversorgung (DGUV: Rehabilitationsmanagement, Teil 2)**

Chair: Ulrich Ernst, DE; Dr. Klaus Fischer, DE

- Exoskelette in der Therapie von Rückenmarkverletzten  
René Kleinschmidt, DE
- Ergotherapeutische Prothesengebrauchsschulung bei Armamputierten  
Carina Nettek, AT
- Amputiertengeschule – Worauf sollte der Physiotherapeut achten?  
Helga Kaiser, DE
- Sporttherapeutische Hilfsmitteloptimierung im paralympischen Leistungssport  
PD Dr. Anja Hirschmüller, CH

Die Anerkennung als Fortbildungsveranstaltung im Sinne der Ziffer 5.12 der Anforderungen der gesetzlichen Unfallversicherungsträger nach § 34 SGB VII zur Beteiligung am Durchgangsarztverfahren wurde bewilligt.



13:00–14:15 SYMPOSIUM

**Scoliosis 2018**

Chair: Josef Lammert, DE; Dr. Franz Landauer, AT

- Evidence for the treatment of spinal deformities  
Dr. med. Hans-Rudolf Weiss, DE
- Physical scoliosis rehabilitation – state of the art  
Dr. Marc Moramarco, US
- Braces for scoliosis – What is current best practice?  
Maksym Borysov, UA



## FRIDAY, 18 MAY 2018

- Trial fitting of braces using modern fitting concepts  
Mike Unmacht, DE
- Use of CAD/CAM in scoliosis treatment  
Nico Tournavitis, GR

13:00 – 14:15 SATELLITE-SYMPOSIUM



### Hindfoot surgery and aftercare

In cooperation with Gesellschaft für Fuß- und Sprunggelenkchirurgie e.V. (GFFC)

Chair: Prof. Dr. med. Markus Walther, DE; Michael Möller, DE

- Diagnostics and treatment of pes cavus  
Prof. Dr. med. Markus Walther, DE
- Diagnostic and treatment of pes planovalgus  
Dr. Hartmut Stinus, DE
- Arthroscopic procedures on the rearfoot  
Dr. Mellany Galla, DE
- Demands on postoperative care after rearfoot operations  
Dr. Hartmut Stinus, DE
- What can the orthopaedic shoe technician do to correct residual postoperative foot malpositions?  
Sorella Petters, DE

13:00 – 13:30 RETAIL FORUM / EXHIBITOR WORKSHOP



CCO, Room 10 **Professionelle und günstige Bewegungsanalysen mit dem iPad – für Gang-, Lauf-, Rad- und Haltungsanalysen**



Norbert Krosta, DE

Exhibitor: Dartfish Deutschland GmbH

13:00 – 13:45 EXHIBITOR WORKSHOP



CCO, Room 8 **Walk with confidence. 2<sup>nd</sup> Generation C-Brace Orthotronic Mobility System**



Christof Küspert, DE

Exhibitor: Otto Bock HealthCare GmbH

14:30 – 15:45 FREE PAPERS



CCO, Room 1 **Prosthetics – Biomechanics knee**

- Biomimetic outcomes through advanced prosthetic knee and ankle technology during standing on non-level ground  
Dr. David Moser, UK
- Challenging everyday gait situations performed with two microprocessor-controlled prosthetic knee joints: Do their safety-potentials differ?  
Dipl.-Ing. (FH) Malte Bellmann, DE

## CONGRESS AND TRADE SHOW PROGRAMME

### FRIDAY, 18 MAY 2018

- Balance evaluation and coordination strategies in patients after lower limb amputation  
Sara Di Benedetto, DE
- Validation of microprocessor knee integrated activity monitoring algorithm  
Andy Sykes, UK
- Effect of prosthetic feet including a torsion-shock adapter in trans-tibial amputee on different terrains  
Christophe Lecomte, IS

#### 14:30 – 15:45 SYMPOSIUM



##### Peers in the hospital

Chair: Dieter Jüptner, DE; Dr. med. Urs Schneider, DE

- Clinical peers for amputee consultations – routine practice at the Trauma Hospital Berlin  
Dr. med. Melissa Beirau, DE
- Importance of clinical peers – from the perspective of the persons involved  
Marion Rink, DE
- Status and significance of clinical peers from the perspective of the BMAB  
Dieter Jüptner, DE
- Peers in hospitals in Norway  
Erik Haugen, NO

#### 14:30 – 15:45 SYMPOSIUM



##### Fortbildung für Durchgangsarzte:

##### Komplexverletzungen des Fußes (DGUV: Rehabilitationsmanagement, Teil 3)

Chair: Prof. Dr. Stefan Rammelt, DE; Dr. Hartmut Stinus, DE

- Der Fuß, das vergessene Organ beim Polytrauma – epidemiologische Daten  
Dr. Christopher Spering, DE
- Diagnostik und operative Therapie des Fußes beim polytraumatisierten Patienten  
Prof. Dr. Stefan Rammelt, DE
- Orthopädieschuhtechnische Versorgungsstrategien nach Polytrauma  
Ferdinand Weber, DE
- Orthopädie-technische Versorgung nach Polytrauma  
Christian Hartz, DE

Die Anerkennung als Fortbildungsveranstaltung im Sinne der Ziffer 5.12 der Anforderungen der gesetzlichen Unfallversicherungsträger nach § 34 SGB VII zur Beteiligung am Durchgangsarztverfahren wurde bewilligt.

## FRIDAY, 18 MAY 2018

14:30 – 15:45 SYMPOSIUM



### Control of upper limb prostheses

Chair: Prof. Dr. med. Frank Braatz, DE; Prof. Dario Farina, UK

- **Overview**  
Prof. Dario Farina, UK
- **Model-based control of upper-limb myoelectric prostheses**  
Dr. Massimo Sartori, NL
- **Sensory feedback for upper limb prostheses**  
Dr. Strahinja Dosen, DK
- **Technical topic: Control of arm prostheses**  
M.Sc. Magnus Oddsson, IS
- **Clinical topic: Control of arm prostheses**  
Alison Goodwin, UK
- **Factor analysis of upper limb prosthetic acceptance from retrospective prosthetic clinician survey**  
PhD, MSEM, FAAOP Gerald Stark, US

14:30 – 15:45 FREE PAPERS



### Prosthetics – Biomechanics gait analyses

- **Study of the residual limb and socket interactions using a poly-instrumented prosthesis in a population of transfemoral amputees during gait**  
PhD Julien Leboucher, DE
- **Effect of socket fit, cadence and suspension on multiaxial in-socket movement of the residual limb**  
PhD Matthew Wernke, US
- **Gait characteristics of 53 trans-tibial amputees**  
Dipl.-Ing. (FH) Eva Pröbsting, DE
- **The effects of two different types of chopart prostheses during level walking on gait parameters, socket and plantar pressure**  
Thomas Kaib, DE
- **Assessment of the activities of daily living of patients with a knee prosthesis**  
Janina Müßig, DE

## EXPERT THEMES



## PROSTHETICS AND ORTHOTICS

OTWorld is the natural 'home' of the prosthetics and orthotics sectors. It is the Number 1 event of its kind and sets the standards worldwide. It is a must-attend show for all specialists in the field.

[YOUTH.ACADEMY.TO](http://YOUTH.ACADEMY.TO)  
ON 17 AND 18 MAY 2018



The Youth.Academy.TO has, as its motto, 'learn together – exchange ideas, have fun'. Participants can expect an extensive programme with numerous highlights – including events organised by selected manufacturers, free admission to keynote and congress lectures in Room 1 (prior registration required) and to the courses, as well to a party in the Pocket Park and much more.

## GLOBAL NETWORKING AREA

The Global Networking Area is the joint stand of the sector's professional associations. Some 50 international associations, organisations and scientific institutions will be presenting themselves and their work here. It is an ideal platform for anyone looking to establish contacts outside Germany.

## HISTORY OF O&P

The 2018 exhibition is dedicated to 'Orthopaedic technology in Germany post 1945 – a look back at the history of technical trades and professional associations over the last 60 years'. The concept is the brainchild of Klaus Dittmer from Berlin.





## ORTHOPAEDIC FOOTWEAR TECHNOLOGY / PEDORTHICS

OTWorld is the leading international meeting place for orthopaedic footwear professionals. Both trade show and congress offer extensive insights into this and related fields.

### NEW: MEETINGPOINT PEDORTHOTISTS

Orthopaedic footwear professionals can meet and exchange ideas and experiences at the new 'Meeting-point pedorthotists' section in Exhibition Hall 1.

### NEW: INNOVATIONS TOURS OF THE EXHIBITION

The 'Meetingpoint pedorthotists' zone is also the starting point for the new 'Innovations Tours' of the exhibition (in German language). Some of the major ports of call are, for instance, suppliers in the field of 3D printing/additive and digital manufacturing in the workshop.

## SPECIALIST HEALTHCARE SUPPLIES RETAILERS

OTWorld is the most important source of professional development opportunities for specialist healthcare supplies retailers and the international platform for the retail trade in the field of orthopaedic aids and other healthcare products.

### RETAIL FORUM

Owners, managers and sales staff in specialist wholesale and retail outlets will again find a forum dedicated to their needs at OTWorld, offering practice-based professional development, as well as opportunities for exchange of ideas and experiences with colleagues.

### NEW: SPECIALIST PROGRAMME WITH GUIDED TOURS OF THE EXHIBITION (BUFA-WALKS)

Up-to-the-minute knowledge and the latest research findings on treatment with bandages, compression stockings and on breast prosthesis will form the core of the new specialist programme and the related guided tours of the exhibition. An expert in the field will accompany the group and lead the tour.

### NEW: HIGH-CALIBRE DEDICATED PROGRAMME FOR SALES PROFESSIONALS

The programme focuses on areas such as successful selling, effective approaches to customers and the establishment of customer loyalty, sales strategies in other sectors and visual marketing. Numerous exhibitor workshops offer additional inspiration and new ideas for the retail trade.

### NEW: SPECIAL SHOW "WEARABLES AND SMART TEXTILES"

Wearables and 'smart' textiles are an ideal supplementary range of products for surgical stores and specialist healthcare retail outlets and feature prominently in their own dedicated display at OTWorld 2018.

### PAVILION OF SHOP DESIGN

Customers – staff – advice – online – offline; a cycle that is set to shape the coming era in the specialist healthcare supplies market. In the Pavilion of Shop Design, displays of goods are combined with live digital features. A number of future-proof concepts will be presented and there will be demonstrations of the latest trends in experience-oriented sales.



## EXPERT THEMES



### TECHNICAL REHABILITATION

#### TECHNICAL REHABILITATION FORUM

In the Technical Rehabilitation Forum, representatives of care providers and funding agencies will be able to watch specialists at work as they prepare an individual wheelchair specially adapted to meet the patient's treatment needs. The spotlight in this special show is on the high levels of expertise of the craftsmen and women working in the field of rehabilitation technology. Various specific topics will be presented in hosted stage demonstrations given by members of the treatment team.

#### Programme of events on stage

There will be live demonstrations, every day, of indication-based treatment procedures on a central stage. These stage presentations give an in-depth insight into the processes in the provision of an individually tailored wheelchair.

#### Exhibition

The exhibition area is adjacent to the stage area. Here, visitors have the opportunity to examine and try out, at their leisure, the orthopaedic aids presented.



### RESEARCH AND DEVELOPMENT

In the technically conservative field of orthopaedics, OTWorld is the internationally most important event for the transfer of knowledge relating to future technologies. Topics range from developments in biomechanics, electro-/magnetic stimulation and exoskeletons to intelligent implants, innovative materials, new digital manufacturing processes, robotics and sensor technology.

#### NEW: FOCUS ON DIGITAL MANUFACTURING

New opportunities are being created for the sector, as a result of the rapid progress in the field of digital manufacture. Scanners, 3D printers, new software and materials will all be on show at OTWorld. In the new lecture forum dedicated to 'Digital Manufacture' in Hall 1, the current range of products and services will be explained, and examples of best-practice applications will be demonstrated in the workshops.

#### NEW: "START-UP ZONE" JOINT STAND

In the new "Start-up Zone", young, innovative companies will be showcasing the developments and trends that are set to change the future, together with the business ideas that are going to impact on the market.

#### CAMPUS

The joint stand 'Campus' in Exhibition Hall 1 provides an appealing venue in which to share experiences between scientists, businesses and practitioners.





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## MOVING AS ONE

Advanced Socket Technology  
for Transtibial and  
Transfemoral Amputees

### MEDICAL PERSPECTIVES

Leipzig provides an interdisciplinary and international forum for presenting knowledge relating to modern therapeutic standards.

#### **NEW: CERTIFICATED PROFESSIONAL DEVELOPMENT FOR ACCIDENT INSURANCE CONSULTANTS**

Professional development sessions relating to assessment and review, paediatric traumatology and rehabilitation management are offered for consultants in German accident insurance cases. The sessions count as continuing professional development within the terms of point 5.12 of the mandatory requirements for German accident insurers, as laid down in § 34 SGB VII of the German Social Security Statutes, and are accredited for those wishing to act as consultants in accident insurance cases.

#### **NEW: INITIATIVE '93 – BASIC COURSE**

This basic course in amputation surgery is specifically aimed at medical practitioners. It provides a concentrated introduction to the basics of technical orthopaedics.

#### **NEW: GUIDED EXHIBITION TOURS**

Medical practitioners will have an opportunity to find out about specific aspects of the show in thematic guided tours led by an expert in the field.

#### **NEW: STUDENTS' DAY**

The University of Leipzig will provide an introductory lecture at the World Congress, relating to the studies of medicine at the university. The extensive range offers young students insights into modern orthopaedic treatments and care.

"I move very quickly with my feet. That's why the system is beneficial to me because I'm more secure. When I make a move, it makes a move with me."

—Anthony, bilateral transtibial amputee since 2015



To learn more, visit  
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# EXHIBITOR DIRECTORY

Editorial deadline: 18 December 2017

Full exhibitor directory at:  
[www.ot-world.com/exhibitor\\_directory](http://www.ot-world.com/exhibitor_directory)

Exhibitor	Country /Town
<b>A</b>	
A+ Composites GmbH	DE Weselberg
A. Algeo Ltd.	UK Liverpool
ABC Breast Care GmbH	DE Neubeuern
Abletech Orthopedics Corp.	CN New Taipei City
AC Mould Engineering Limited	CN Dongguan, Guangdong
acriba Service GmbH	DE Stralsund
ADTECHNOLOGIES S.A.	PT Porto
AET GmbH	DE Au
AFT International GmbH	DE Wuppertal
Agruquero Thermoplastics S.L.	ES Pinto (Madrid)
albrecht GmbH	DE Stephanskirchen
Allard International	SE Helsingborg
ALLARD Support UK Ltd.	IE Dundalk, Co. Louth
ALPS SOUTH EUROPE s.r.o.	CZ Plzen
ALPS SOUTH ITALY S.R.L.	IT Argelato (BO)
Ambroise	NL Enschede
AM Cube	FR Goult
A-MI Global Co., LTD	KR Saha-Gu, Busan
AMOENA Medizin-Orthopädie-Technik GmbH	DE Raubling
Amorim Cork Composites SA	PT Mozelos
Amparo GmbH	DE Berlin
amx consulting	DE Hagen
Anatomi Metrix, Inc.	CA Montréal
ANITA Dr. Helbig GmbH	DE Brannenburg
Ankapa Ayakkabi Tekstil Ticaret Ve Sanayi Ltd. Sirketi	TR Basaksehir-Istanbul
ANTAR Sp. J. I. Groniecka-Tarnkowska A. Tarnkowski	PL Warszawa
Antonio Morón de Blas, S.L. Morón Group	ES Arnedo, La Rioja
Antonius Köster GmbH & Co. KG	DE Meschede
apedi Abrechnungs- und Personaldienstleistungs GmbH	DE Essen
AQUALEG	FR Thouaré sur Loire
Arden Medikal Ltd.	TR Ankara
arthroven GmbH	DE Villingen-Schwenningen
Arti Medikal Tibbi Mlz. Ihr. Ith. San. ve Tic. Ltd.	TR Tuzla-Istanbul
Artsanity SRL	IT Castelfranco Veneto
AS Abrechnungsstelle für Heil-, Hilfs- und Pflegeberufe AG	DE Bremen
Aspen Medical Products GmbH	DE Griesheim

Exhibitor	Country /Town
ATeC Shoes Orthopädie Service GmbH	DE Erfurt
ATOM Stanz- und Schneidesysteme GmbH	DE Pirmasens
Astra	FR Saint Jean D'Avelanne
AXS Medical	FR Mauguio
<b>B</b>	
Baltic Orthoservice UAB	LT Kaunas
Bao Prothesen	RC Taichung
Barta, Franz, GmbH	AT Vienna
Basko Healthcare B.V.	NL Zaandam
Bauerfeind AG	DE Zeulenroda-Triebes
Becker Orthopedic Appliance Co.	US Troy, MI
Beijing Jingbo Prosthetics & Orthotics Technical Co., Ltd.	CN Beijing
BEL Kunststoffproduktions- und Handelsges. mbH	DE Peine
Berner Medizintechnik Susanni Kleindienst	DE Großenhain
Berthéas	FR Saint Chamond
Berufsgenossenschaft Energie Textil Elektro Medienerzeugnisse	DE Cologne
Beste Collection	DE Frankfurt / Main
BEYAZGRUP Saglik Urunleri Imalat San. VE TIC.LTD.STI	TR Ankara
Bioaktiv Ortopedik Saglik Hizm.ve Tekstil San.Tic. A.S.	TR Istanbul
Biomedical Shoes SL	ES Villena (Alicante)
Birkenstock GmbH & Co. KG	DE Neustadt
BMAB – Bundesverband für Menschen mit Arm- oder Beinamputation e.V.	DE Wedemark
J. & W. Börnecke GmbH & Co. KG	DE Berlin
Bort GmbH	DE Weinstadt
BRATEX Slawomir Bryla	PL Lowicz
Breg, Inc.	US Carlsbad, CA
Brocksieper, Wilhelm, GmbH	DE Lüdenschheid
BRUCARE sprl	BE Overijse
BS SAGLIK VE TEKSTIL ÜRÜNLERİ LIMITED SİRKETİ	TR Istanbul
bsb-bentlage GmbH	DE Bielefeld
Bundesfachschule für Orthopädie-Technik e.V.	DE Dortmund
Bundesinnungsverband für Orthopädie-Technik	DE Dortmund
Burmeier GmbH & Co. KG	DE Lage
Busch Orthopädie Service GmbH	DE Heilbronn
<b>C</b>	
CAD-CAM-Hinrichs	DE Flensburg



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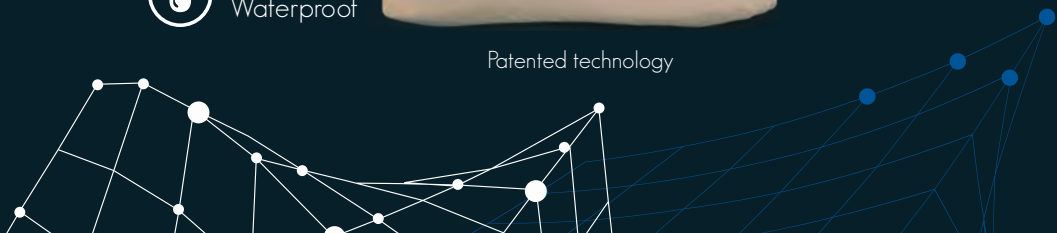


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## EXHIBITOR DIRECTORY

Exhibitor	Country / Town
Capron Podologie	FR Ecuisses
carelogic GmbH	DE Emmering
CAROLI, Heinrich, GmbH	DE Lahr
Centro Protesi Inail	IT Vigoroso di Budrio
Casimo Jan Siebeneck	DE Münster
Chami Orthopädie Service	DE Siebeldingen
Chief Medical Co. Ltd.	RC Taipei
Choose your Shoes	NL Heythuysen
chung shi – ME & Friends AG	DE Holzkirchen
Clara s.r.l.	IT Carinaro
Click Medical, LLC	US Colorado
College Park Industries, Inc.	US Warren, MI
Comfort Plus Corporation	CN New Taipei City
Confairmed Gesellschaft für Congressmanagement mbH	DE Dortmund
COP	FR Nazaire en Royans
Corazza S.R.L.	IT Molinella (BO)
Covestro Deutschland AG	DE Leverkusen
C.R.E. Calzifici Riuniti Elli S.r.l.	IT Busto Arsizio
CURA-SAN GmbH	DE Duisburg
currex GmbH motion analysis solution	DE Hamburg
<b>D</b>	
Danyang Protheses Factory Limited Company	CN Danyang City
DARCO (Europe) GmbH	DE Raisting
Dartfish Deutschland GmbH	DE Taufkirchen
DeRoyal Industries, Inc.	US Knoxville
DIERS International GmbH	DE Schlangenbad
DIRAME ORTHO N.V.	BE Ternat
DJO GLOBAL	DE Freiburg
D.M. Orthotics Limited	UK Redruth, Cornwall
DOI ortho-innovativ GmbH	DE Kempten
DOLA Orthotics	AU Anstead
Donnerberg	DE Munich
DRT Dr Mery	TR Izmir
duna s.r.l.	IT Falconara Marittima (AN)
<b>E</b>	
E&E Collection GmbH	DE Frankfurt / Main
Effigos AG	DE Leipzig
EGROH Service GmbH	DE Homberg
e-life International Co., Ltd.	CN New Taipei City
EMSOLD GmbH & Co. KG	DE Rastede
Endofom Protez Sünger San. ve Tic Ltd. Sti.	TR Izmir
Endolite	UK Basingstoke

Exhibitor	Country / Town
EOS GmbH Electro Optical Systems	DE Krailling
Erfinder-Park Dipl.-Ing. Peter Stepina	DE Berlin
Ergorest Oy	FI Siilinjärvi
Erhem	PL Debica
Erkodent Erich Kopp GmbH	DE Pfalzgrafenweiler
Eschenbach Medical GmbH	DE Randersacker
Eschler Textil GmbH	DE Balingen
ESKA Orthopaedic Handels GmbH	DE Lübeck
ESPECIALIDADES MÉDICO ORTOPÉDICAS, S.L. (EMO )	ES Paiporta
Evoletik SAS	FR Tourcoing
Exact Plastics GmbH	DE Bröckel
Ezy-As ABC Pty. Ltd.	AU Croydon
<b>F</b>	
Fabrica Machinale S.r.l.	IT Cascina (PI)
Fachhochschule Dortmund	DE Dortmund
Fachverband für Orthopädie- und Rehabilitations-Technik, Sanitäts- und medizinischer Fachhandel Sachsen und Thüringen e.V.	DE Leipzig
Fargeot / Podowell	FR Nantheuil
Fillauer Europe AB	SE Sollentuna
FinnComfort by Waldi Schuhfabrik GmbH	DE Haßfurt
FIOR & GENTZ GmbH	DE Lüneburg
FLEXOR S.A.	ES Barbera d. Valles
Foot Care SRL Unipersonale	IT Piacenza (PC)
FOT Fortbildungsvereinigung für Orthopädie-Technik e.V.	DE Wendelstein
Fraunhofer Institut für Produktionstechnik und Automatisierung (IPA)	DE Stuttgart
Freedom Innovations Europe B.V.	NL Enschede
Fresco International 2005, S.A.	ES Paret del Vallès (Barcelona)
Future-Shape GmbH	DE Höhenkirchen-Siegersbrunn
<b>G</b>	
GANTER Shoes GmbH	AT Taufkirchen
Gastrock-Stöcke GmbH	DE Bad Sooden-Allendorf
Gins SRL	IT Vinci Firenze
Giszas GmbH	DE Königswinter
Glaze Prosthetics	DE Kraków
GÖTZ Service GmbH	DE Göppingen
go-tec GmbH	DE Münster
Gottinger Handelshaus OHG	DE Zorneding
Groupe G2M	FR Saumur
Grundlach SEEN MEDIA GmbH	DE Aachen

# EXHIBITOR DIRECTORY

Exhibitor	Country/Town
Guangzhou Kang Mei Te Prostheses Co., Ltd	CN Guangzhou City, Gangdong Prov.
Guenther Bionics GmbH	DE Parey
<b>H</b>	
Handwerkskammer Niederbayern / Oberpfalz in Landshut	DE Landshut
HARDO Maschinenbau GmbH	DE Bad Salzuflen
HEIKAUS Interior GmbH	DE Mundelsheim
Heinrich Heidemann GmbH & Co. KG	DE Versmold
Helia Ladenbau GmbH	DE Oberkirch-Nußb.
HEMA Orthopädische Systeme GmbH	DE Sömmerda
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Herbitas, Products, S.L.	ES Foios (Valencia)
hergert GmbH	DE Parthenstein
HHK Bionics GmbH	DE Ulm
Hock e.K. Medizinische Polster	DE Freudenstadt
HUNTEX CORPORATION	CN New Taipei City
<b>I</b>	
IB-ER Makina San.TIC.LTD.STI.	TR Manisa
ID ETHNOS	BR Duque de Caxias
Ihle Strumpf GmbH	DE Wolkenstein
IMASEN ENGINEERING CORPORATION	JP Kakamigahara Gifu
I-Ming Sanitary Materials Co., Ltd	CN Changhua County
Innofoam	FR Maubourguet
Innovative Neurotronics Inc.	US Austin, TX
International Confederation of Amputee Associations (IC2A)	UK North Lanarkshire, Scotland
Invent Medical Group s.r.o.	CZ Ostrava-Pustkovec
ISPO Deutschland e.V.	DE Dortmund
ISPO International Society for Prosthetics and Orthotics	DK Køge
<b>J</b>	
Jauch Sanitätshaus Orthopädie-Technik GmbH	DE Villingen-Schwenningen
Jiangsu Reak Healthy Articles Co., Ltd	CN Yangzhong City
Jobskin Ltd	UK Nottingham
Junquera y Diz S.L.	ES Gijon (Astrurias)
<b>K</b>	
Orthopädie Kall GmbH	DE Remscheid
Kare Limited	UK Port Glasgow
KauPo Plankenhorn e.K.	DE Spaichingen
Kautschuk & Polyurethane	
Keep Walking Project, S.L.	ES Ribarroja d. Turia
Ken Dall Enterprise Co., Ltd.	CN New Taipei City
KiWi, Kieler Wirtschaftsförderungs- und Strukturentwicklungs GmbH	DE Kiel

Exhibitor	Country/Town
KJR s.r.l.	IT St. Maria Capua Vetere
Klarity Medical & Equipment (GZ) Co. LTD	CN Guangzhou
KLIB Knut Lehmann IngenieurBüro	DE Hasselbach
Kösemed Ortopedi San. Tic.	TR Manisa
Kremser Ingenieur- und Sachverständigenbüro Service für Orthopädietechnik	DE Bargfeld-Stegen
Kriwat GmbH	DE Kiel
Kröner Mobilitätshilfen	DE Leipzig
Kubin, Orthopädietechnik Kubin & Co.	CH Schaffhausen
Künzli SwissSchuh AG	CH Windisch
<b>L</b>	
Laboratoria Bota NV	BE Deinze
Lakeland Orthotics Ltd.	UK Hull
W. R. Lang GmbH	DE Neuwied
LimbTex Ltd	UK South Wigston
Lindhe Xtend AB	SE Halmstad
Lüttges GmbH	DE Solingen
<b>M</b>	
Mac Dowell Silicones SRL	IT Santarcangelo di Romagna (RN)
Mammon International Corporation	CN Taipei City
Manifattura Cantù Egizio Sas	IT Bernareggio (MB)
Martin BERNHARD Handelsvertreter	DE Ruppertsweiler
C. Maurer Fachmedien GmbH & Co. KG	DE Geislingen
Mawendo GmbH	DE Stuttgart
MBI GmbH	DE Homberg
McClean REHATEchnik GmbH	DE Rüdershausen
mdc – medical device certification GmbH	DE Stuttgart
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medi GmbH & Co. KG	DE Bayreuth
Medical Brace A. Salemis Kai SIA E.E	GR Ag. Ioannis Rentis, Athen
Medical Specialties, Inc.	US Charlotte, NC
MEDICAPTEURS	FR Balma
T & T Medilogic Medizintechnik GmbH	DE Schönefeld
Mephisto SAS	FR Sarrebourg
Michael Martin GmbH & Co. KG	DE Walldorf
Mini Crossover Elektromobile	DE Oldenburg
Fritz Minke GmbH & Co. KG	DE Duisburg
Mobilis GmbH	DE Enger
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M. MPEI – A. TSITOURAS O.E.	GR N. Smirni, Athens
MTR+ Vertriebs GmbH	DE Berlin

## EXHIBITOR DIRECTORY

Exhibitor	Country /Town
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Nabtesco Corporation	JP Kobe, Higashinada-Ku
NAKAMURA BRACE Co., LTD.	JP Ohda
NAMROL-Guillermo Lorman S.L.	ES Sitges, Barcelona
neaTec GmbH	DE Neu-Ulm
NEOX S.C.	PL Niepolomice
NESKRID 4AllFeet B.V.	NL Alphen-Chaam
Neurofibromatose, RG Sachsen-Anhalt	DE Lutherstadt Wittenberg
Nexos Computer GmbH	DE Berlin
Nimco Portugal LDA	PT Cesar OAZ
nora systems GmbH	DE Weinheim
North Sea Plastics Limited	UK Glasgow
Novatex	FR Escaudain
novel GmbH	DE Munich
NOVENTI HealthCare GmbH	DE Aschheim
NOWECOR AG	DE Quakenbrück
Nursingshoes Comercio e Distribuicao de Calçado Lda	PT Benedita
NV Marcel Liebaert	BE Deinze
<b>O</b>	
Össur Europe BV	NL Son en Breugel
Ofa Bamberg GmbH	DE Bamberg
OKM Quimica Ortopédica S.L.	ES Avinyonet de Puigventos
Omnipiel TECHNOLOGIES s.r.l.	IT Desenzano (BS)
opta data dialog GmbH	DE Essen
opta data digital communication GmbH	DE Essen
opta data Gruppe	DE Essen
OPTEC USA, Inc.	US Lawrenceville, GA
Optica Abrechnungszentrum Dr. Güldener GmbH	DE Stuttgart
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ORFOMED, Orthopädie Forum GmbH	DE Erlangen
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Orthoboom GmbH	DE Berlin
Orthobroker bvba	BE Ranst
Orthocast GmbH	DE Schondorf
Orthocontrol Peer Alexandrow	DE Berlin
OrthoDutch	NL Best

Exhibitor	Country /Town
Ortho Europe Limited	UK Abingdon, Oxfordshire
Ortholutions GmbH & Co. KG	DE Rosenheim
Ortho-Medico NV	BE Herzele
Orthomobility Ltd.	UK Marcham
Orthopädie Pilz GmbH	AT Perg
Ortho-Reha Neuhof GmbH	DE Nürnberg
ORTHOSCOOT GmbH	DE Neusäß
ORTHOSERVICE AG	CH Chiasso
Orthoservice Deutschland GmbH	DE Baden-Baden
Ortho-Systems Thomas Böckh	DE Kirchheim
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Orhotimer Matthias Roller	DE Balingen
ORTOIBERICA S. L.	ES Llanera (Asturias)
Ortomediplus, SLU	ES Villena
Orto.Nik	RU St. Petersburg
Ortopagalba UAB	LT Kriuku
ORTOPEDIJOS TECHNIKA AB	LT Kaunas
ORTO-PLAST S.L.U.	ES L'Ametlla d. Valles
OTEDV Oesterreich GmbH	DE Bremen
OTOS d.o.o.	HR Osijek
Otto Bock HealthCare GmbH	DE Duderstadt
<b>P</b>	
Pacific Supply Co. Ltd.	JP Daito
Parashar Industries	UA Kiev
Parker Hannifin GmbH, Human Motion & Control	DE Bietigheim-Bissingen
PARKRAUM Konzepte und Consulting	DE Stuttgart
paromed GmbH & Co. KG	DE Neubuern
PAVIS SPA	IT Milano
pedag International Schelchen GmbH	DE Königs Wusterh.
pedcad foot technology GmbH	DE Oberkochen
Pedsan S.R.L.	IT Perugia
Perpedes GmbH	DE Lenningen
PFH Private Hochschule Göttingen	DE Göttingen
PIEDRO International B.V.	NL Bleiswijk
PLT foot analysis, measuring & custom inlay production	NL Haaksbergen
Podartis S.r.l.	IT Montebelluna TV
PRIM, S.A.	ES Mostoles
Primacel	FR Cergy Pontoise
Pro Walk GmbH	DE Egelsbach
Promedics Orthopaedics Limited	UK Port Glasgow
PROTED PROSTHETICS ORTHOTICS	TR Ankara
Proteor	FR Saint Apollinaire

# BEST of the BEST

Exhibitor	Country/Town
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frankpurk GmbH	DE Hamburg
Push®Braces/ Nea International bv	NL Maastricht

R	
Rattenhuber – Horst Rattenhuber GmbH	DE Freising
Realistic Prosthetics Ltd.	UK Hampton
REH4MAT	PL Glogow Malopolski
Remed, Private Enterprise	UA Dnipro
RENIA-Gesellschaft mbH	DE Cologne
Retail Therapy	DE Siegsdorf
Retailment A/S	DE Eggenfelden
Ro+ten srl	IT Verano Brianza
Rodin SAS	FR Pessac
Rollstuhlbau Bräunig	DE Leipzig
Romedis GmbH	DE Neubeuern
Rothballer Electronic Systems GmbH	DE Weiden
RTM GmbH	DE Rostock
RuckgaberBrüggemann Orthopädie Service GmbH	DE Rottenburg
RUSSKA Ludwig Bertram GmbH	DE Isernhagen

S	
S&U Medizintechnik GmbH	DE Zotzenheim
SABU Schuh & Marketing GmbH	DE Heilbronn
Salvatelli Srl	IT Civitanova Marche
SamsonLifeWell, Friedrich W. Samson	DE Landshut
SÁNDOR KISS – Schuhe fürs Leben! im Vertrieb der SHOE GO, Inh. Heiko Jähne e.K.	DE Mülheim a. d. Ruhr
Sanitätshaus Aktuell AG	DE Vettelschoß
SANO Deutschland GmbH	DE Oberaudorf
Savecomp Megascan GmbH	DE Hannover
Schein Orthopädie Service KG	DE Remscheid
Heinz Schiebler Norddeutsche Gummistrumpfwerk GmbH & Co. KG	DE Flensburg
Schmidt Handels GmbH	DE Essen
Franz Seidl GmbH	DE Regensburg
Sensor Medica	IT Guidonia Montecelio
SERIPRESS SAS	FR Saint Marcellin
Shandong Groot Rehabilitation Equipment Co. Ltd.	CN Jinan
Shanghai Kesheng Prostheses Co., Ltd.	CN Shanghai
SHS Orthopädie-Produkt- und Modellgestaltungs-GmbH	DE Kronach
SIC SaniVision consulting GmbH	DE Lübeck
SIGVARIS GmbH	DE Memmingen



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Sing Bwo Enterprise Co., Ltd.	CN Taichung City
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Solor Schuhforschung- und Entwicklung GmbH	DE Pirmasens
SPAN LINK INTERNATIONAL LLC	US Deer Park
SPANNRIT GmbH	DE Kleinostheim
spektramed gmbh	DE Wegberg
M. Spenlé GmbH, Schuhleistenfabrik	DE Ellrich
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Sporlastic GmbH	DE Nürtingen
SPRINGER AKTIV AG	DE Berlin
ST&G Corporation	KR Seoul
Steeper Group	UK Leeds
Stichting Amputee Osseointegration Foundation Europe	NL Wijchen
stinova Einrichtung- und Verkaufsorganisation GmbH	DE Achern
Streifeneder ortho.production GmbH	DE Emmering
Stuppy Schuhfabrik GmbH	DE Rieschweiler-Mühlbach
Styra & Partner GmbH Gesellschaft für Abrechnungen im Gesundheitswesen	DE Oldenburg
<b>T</b>	
TalkTools GmbH	DE Berlin
TechMed 3D Inc.	CA Saint-Nicolas
Tecnoway SRL	IT Vallefoglia (PU)
Teh Lin Prosthetic & Orthopaedic, Inc.	CN New Taipei City
Teh Sen Technology Inc.	CN New Taipei City
Tenortho S.R.L.	IT Biassono (MB)
Teufel, Wilhelm Julius, GmbH	DE Wangen
Teyder S.L.	ES Sant Adria de Besos
Thanner GmbH	DE Höchstädt
The SpineCorporation Limited	UK Chesterfield, Derbyshire
THUASNE DEUTSCHLAND GmbH	DE Burgwedel
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TIGGES-Zours GmbH	DE Hattingen
TRICONmed GmbH	DE Körle
TSD Saglik Ürünleri Tic.Ltd.Sti.	TR Sultanbeyli / Istanbul
TURBOMED Orthotics Inc.	CA Québec
<b>U</b>	
ULTRAFLEX EUROPE N.V.	BE Ternat
Uniprox GmbH & Co. KG	DE Zeulenroda-Triebes

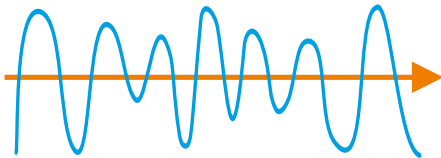
Exhibitor	Country /Town
Universal Trim Supply Co., Ltd.	CN Taipei
UNYQ Design Europe S.L.	ES Sevilla
USWR Technology Complex	IR Tehran
<b>V</b>	
VAN STRAATEN GROUP	DE Heilbad Heiligenstadt
Varomed – Florett GmbH	DE Cham
Vaupel Orthopädie-Technik GmbH	DE Geldern
Velcro Europe S.A.	ES Argentona
Verlag Orthopädie-Technik	DE Dortmund
ViALUX Messtechnik + Bildverarbeitung GmbH	DE Chemnitz
Vincent Systems GmbH	DE Karlsruhe
Vital-Ja-Berlin GmbH Berner Group	DE Berlin
VORUM Research Corporation	CA Vancouver
<b>W</b>	
Wagner Polymertechnik GmbH	DE Sonnenstein
Walking Sticks International S.L.	ES Segorbe
WASP	IT Massa Lombarba
Wiest GmbH	DE Illertissen
Wilh. Wissner GmbH & Co. KG	DE Göppingen
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Willy Hermann – Superfine GmbH & Co. KG	AT Hard
Win Walker Prosthetics and Orthotics (Xiamen) Co., Ltd.	CN Xiamen
Wisepress Ltd.	UK London
WITZEL VACUPRESS e.K.	DE Essen
<b>X</b>	
Xiamen Chengli Medical Equipment Co., Ltd.	CN Xiamen
Xiamen Kon Technology Co., Ltd.	CN Xiamen
<b>Y</b>	
YKK Deutschland GmbH	DE Mainhausen
<b>Z</b>	
Ziyu Enterprise Co., Ltd	CN Taichung





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### ARRIVING BY PLANE – DIRECT CONNECTIONS TO MANY LARGE CITIES

The Leipzig/Halle Airport is located in the heart of Central Germany and is not far from Leipziger Messe: approximately 10 to 15 minutes by Autobahn and eight minutes with the rapid transit train S 5, which leaves every 30 minutes.

To drive from the Leipzig/Halle Airport to the exhibition grounds or downtown Leipzig, you can choose from a large selection of car rental companies.

Taxi stands are located right at the airport (Terminal B) and the West entrance of Leipziger Messe (between the Glass Hall and Messeseel).

Up-to-date information for air travellers can be obtained from the Flughafen Leipzig/Halle. Airport information services can be found in Terminal B (ground floor), or by phoning: +49 341 224-1155.

Alternative ways to reach Leipzig are via the airports Berlin Tegel and Schönefeld.

More information can be found at [www.ot-world.com/for-visitors/travel](http://www.ot-world.com/for-visitors/travel)

### ACCOMMODATION AND ORGANISATION OF YOUR STAY

Our Hotel Reservations Team will be happy to provide comprehensive advice on the choice of accommodation in and around Leipzig. You can book your hotel room at: [www.ot-world.com/travel/hotels](http://www.ot-world.com/travel/hotels), where you will find numerous additional possibilities for reservations.

#### Please contact:

The Hotel Reservation Team

Phone: +49 341 678-8725

Fax: +49 341 678-8722

E-mail: [hotelreservation@leipzig-messe.de](mailto:hotelreservation@leipzig-messe.de)



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## SOCIAL EVENTS

### OFFICIAL OPENING OF OTWORLD

**Tuesday 15 May 2018:  
3:00 p.m. to 4:15 p.m., Room 1**

Traditionally, the official opening of the show takes place on the first day of OTWorld in Leipzig. And so, this year, numerous distinguished sector representatives from Germany and abroad will gather for this ceremony in the Congress Centre at OTWorld, on 15 May 2018 – a formal event, to which visitors, exhibitors and speakers are all, most cordially invited.

Don't miss out on this highlight of the show – come and join us at the opening ceremony for OTWorld 2018!



### CONGRESS AND TRADE SHOW PARTY

**Tuesday 15 May 2018, from 7:30 p.m. onwards,  
in the KONGRESSHALLE am Zoo Leipzig**

#### CELEBRATE BAVARIAN-STYLE - IN LEIPZIG

Hearty Bavarian specialities, freshly tapped beer and live traditional music. The popular Congress and Trade Show Party on 15 May 2018 is all about fun-loving Bavarian lifestyle. You really can look forward to an enjoyable and entertaining evening!

To buy your ticket for the party in advance, at **45.00 EUR** per person, go to [www.ot-world.com/ticket\\_en](http://www.ot-world.com/ticket_en).

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