



Congress for Digitalisation in Orthopaedics and Traumatology



**13th and 14th March, 2026
Berlin, Germany**

PRELIMINARY PROGRAM

www.OTdigital.eu





WELCOME

Digitalisation has become a defining element of modern orthopaedics and traumatology. We warmly welcome you to the 4th international OTdigital Congress, where scientific ideas meet clinical practice and digital solutions are critically evaluated for their potential to improve patient safety, profession workflows, and the future development of our field.



Prof. Dr. David A. Back, MBA
Center for Musculoskeletal Surgery, Charité - Universitätsmedizin Berlin

THE EVENT

The OTdigital Congress 2026 will engage participants in an international and interdisciplinary exchange on digitalisation in orthopaedics and traumatology. It will serve as a platform for experts from medical, scientific, and economic fields, offering a variety of presentation formats and networking opportunities.



OUR MISSION

The OTdigital community fosters the dialogue between experts and users on the decisive role of digitalisation in orthopaedics and traumatology, and supports digital innovations that enhance patient care at every stage – from prevention and diagnostics to therapy and rehabilitation.



Preliminary Program

Friday, 13th March 2026

11:00 Registration

12:00 Welcome and introduction

David Back 

12:10 Digital updates from patronage societies EORS, CAOS, DGOU

Representatives of the societies

12:30 Keynote: "European view on the topic of digitalisation for hospitals and healthcare systems the current European University Hospital Alliance (EUHA) perspective"

Anders Vedsted , Peter Gocke 

13:00 SESSION 1: Digital solutions for pre - and re-habilitation in O&T

Inger Mechlenburg , Wojciech Glinkowski 

Examples of large-scale field applications of an AI-based telemonitored rehabilitation tool across Europe

Marco Conti 

The SPRING trial

Kate Button 

Progressive resistance and flexibility exercises versus usual care advice for improving pain and function after distal radius fracture in adults aged 50 years or older. An RCT within the Danish Orthopaedic Academy (DOA) platform.

Inger Mechlenburg 

From scales to ecosystems: How PROMs and PROMIS are shaping digital orthopaedics and orthopaedic trauma care




Wojciech Glinkowski 

Discussion

14:00 Break



14:30 Industry presentations

15:30 Rapid presentations for digital advances in Orthopaedics and Traumatology & Science Award competition

Philipp Färnstahl , Koroush Kabir , Bernd Grimm 

16:30 Break

17:00 SESSION 2: Which digital solutions can optimize our outcome in the OR?

Arnaud Clavé , Cristiano Paggetti 


Rationale for patient-specific knee arthroplasty: towards digitally enhanced personalized care

Arnaud Clavé 

AI-assisted preoperative osteosynthesis planning for complex fractures

Julian Zierke 

The OTdigital DeepDive Pisa25 on robotics in knee surgery: key take-home messages

Paolo Pardi 

Discussion

18:00 Mini battle: "I would never operate without my robot again" vs. "Who needs a robot - me definitely not!" and panel discussion: "The value of orthopaedic robots - one robot for all joints?"

19:00 Summary and conclusion

19:30 Get together at CharitéCrossOver Atrium



Saturday, 14th March 2026

09:00 SESSION 3: From mixed realities to digital twins: Current status in O&T

Li Felländer-Tsai , *Paolo Parchi* 


Are LLM's better than orthopaedic doctors? Study data from an orthopaedic exam setting

Pedro Diniz 

Digital Twins in Orthopaedics - basics and backgrounds

Guillaume Dardenne 

Photorealistic Digital Twins for Orthopedic Surgical Training

Sergey Prokudin 

Discussion

10:00 Start-up Pitch

Jury: Yin Cai (Amazon Web Services (AWS) and Dr. Lucas Mittelmeier (Heal Capital) and Dr. Fidelius v. Rehlingen-Prinz von Rehlingen-Prinz (Oxbridge Clinical)

10:30 Break

11:00 Industry presentations II

11:30 SESSION 4: Individualized therapies in O&T by smart devices

Bernd Grimm , *Benedikt Braun* 

Co-creating smart implants with patient and healthcare professionals: First results from a European survey

Paulina Villalobos 


Sensoric osteosynthesis plate: First clinical experience with the AO Fracture Monitor

Benedikt Braun 

Deformation sensing beacon as modular tech for smart implants and devices: Clinical results from an instrumented CAM boot

Samuel di Bartolo 

Exoskeletons as smart devices for individualised therapy - current concepts

Rene Bremm 

Discussion



12:30 Panel discussion: Enabling Digital Innovation how academic institutions can support their employees' ideas with pathways towards market success

13:30 Lunch break


14:30 Teaser presentations and audience discussion: Using ChatGPT&co/LLM's for scientific writing

Chair: Inger Mechlenburg 

15:00 SESSION 5: The AI driven hospital

Georg Osterhoff , *Jacobien Oosterhoff* 

AI based organizational structures in a modern hospital

Jacobien Oosterhoff 


The role of psychology in the digital transformation of healthcare and AI

Jane Walsh 

Geriatric co-management and AI – digital geriatricians at the surgical ward

Michael Denking 

Human interaction with virtual assistants in orthopedic consultations

Walter Van der Weegen 

Discussion

16:00 Award ceremony: Rapid science presentation award and pitch award 🏆

16:15 Closure & Summary



FACULTY

David Alexander Back M.D., MBA, Prof. 

Center for Musculoskeletal Surgery, Charité - Universitätsmedizin Berlin, Berlin

Benedikt Braun M.D., MBA, Prof. 

Department of Trauma and Reconstructive Surgery at the Eberhard Karls University Tübingen, BG Unfallklinik, Tübingen

Rene Bremm M.D., Ph.D. 

Luxembourg Institute of Health, Dept. Precision Health, Luxembourg

Kate Button Ph.D., Prof. 

School of Healthcare Sciences, College of Biomedical and Life Sciences, Cardiff University, Cardiff

Yin Cai Ph.D. 

Development Manager at Amazon Web Services (AWS), Healthcare & Life Sciences Innovation, Munich

Arnaud Clavé M.D., Ph.D. 

Orthopaedics and Traumatology Department, Clinique Saint George, Nice / Laboratory of Medical Information Processing, Brest

Marco Conti M.D., Ph.D. 

Shoulder and Elbow Unit, Humanitas Research Hospital, Milan

Guillaume Dardenne Ph.D. 


LaTIM (Laboratory of Medical Information Processing), INSERM UMR 1101, University of Brest (UBO) / CHU de Brest, Brest

Michael Denking M.D., Prof. 

Institute for Geriatric Research, University of Ulm Geriatric Center, Alb-Donau, Ulm

Pedro Diniz M.D., Ph.D.  

Luxembourg Institute of Research in Orthopedics, Sports Medicine and Science (LIROMS), Department of Bioengineering and iBB / Institute for Bioengineering and Biosciences, Instituto Superior Técnico, Universidade de Lisboa, Lisboa

Georg Duda Ph.D., Prof. 

Julius Wolff Institute and Center for Musculoskeletal Surgery, Charité - Universitätsmedizin Berlin, Corporate Member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Berlin

Samuel Di Bartolo 

Queensland University of Technology, Brisbane

Li Felländer-Tsai M.D., Ph.D., Prof. 

Center for Advanced Medical Simulation and Training (CAMST), Karolinska Institutet & Karolinska University Hospital, Stockholm

Philipp Färnstahl Ph.D., Prof. 

Research in Orthopedic Computer Science, Balgrist University Hospital, University of Zurich, Zurich

Prof. Wojciech Glinkowski M.D., Ph.D. 

Department of Medical Informatics and Telemedicine, Medical University of Warsaw, Warsaw

Peter Gocke M.D. 

Digital Transformation Unit, Charité Universitätsmedizin Berlin, Berlin

Bernd Grimm Ph.D. 

Human Motion, Orthopaedics, Sports Medicine, Digital Methods (HOSD), Luxembourg Institute of Health, Strassen



FACULTY

Koroush Kabir M.D., MBA. 

Department for Traumatology, Orthopaedics and Sport Medicine, Helios University Hospital Wuppertal, Wuppertal, University of Witten/Herdecke, Witten

Lucas Mittelmeier M.D. 

Heal.capital Management GmbH, Berlin

Inger Mechlenburg PT, MSc, Ph.D., DMSc, Prof. 

Department of Orthopaedic Surgery, Department of Clinical Medicine, Aarhus University Hospital, Aarhus

Georg Osterhoff M.D., Prof. 

Department of Orthopaedic and Trauma Surgery, Unfallkrankenhaus Berlin Trauma Center, Berlin I Charité – Universitätsmedizin, Berlin

Jacobien Oosterhoff M.D., Ph.D., Prof. 

Faculty of Technology Policy and Management, Delft University of Technology, Delft

Cristiano Paggetti Ph.D., Prof. 

School of Computing and Information Engineering, Ulster University, Ulster I Medea S.r.l., Florence

Paolo Parchi M.D., Ph.D., Prof. 

Department of Translational Research on New Technologies in Medicine and Surgery, University of Pisa, Pisa

Sergey Prokudin Ph.D. 

Department of Computer Science, ETH, Zurich

Fidelius v. Rehlingen Prinz M.D. 

Oxbridge Clinical, Cambridge, MA Germany

Walter Van der Weegen M.D., Ph.D. 


Department of Orthopedic Surgery, Sports & Orthopedics Research Centre, St. Anna Hospital, Geldrop

Andres Hedevar Vedsted 

Data Unit, Health IT and Digitalisation, Aarhus University Hospital, Aarhus

Paulina Villalobos 

MINDS & SPARKS Ltd., Vienna

Jane Walsh Prof. 

Mobile Technology and Health (mHealth) Research Group, School of Psychology, University of Galway, Galway

Julian N. Zierke M. Sc. 

Julius Wolff Institute, Berlin Institute of Health at Charité – Universitätsmedizin, Berlin



GENERAL INFORMATION

Meeting Dates:

13th and 14th March, 2026

Location:

Campus Address:

Charité - Universitätsmedizin Berlin,
Campus Charité Mitte (CCM),
Charitéplatz 1, 10117 Berlin

Specific Building Address:

Charité Crossover (CCO) Virchowweg 6

Official Language:

English, simultaneous translation
will not be provided

Chairman:

David A. Back, M.D., MBA, Prof.

Congress Manager:

Veronica Boller

Congress Secretary:

Alahan Alkis Sensoy, M.D.

PARTICIPATION FEES

	EARLY BIRD Registration until December 31 st , 2025	REGULAR REGISTRATION Registration January 1 st , 2026 to February 28 th , 2026	LATE / ON-SITE REGISTRATION From March 1 st , 2026 and On Site	ONLINE PARTECIPATION
Physician / Senior Scientist / Industry Representative	€150	€200	€250	€65
Resident / Junior Scientist	€100	€150	€200	€45
Students / Nursing Personnel / Other Healthcare Professional	€25	€50	€75	€10



REGISTRATION

For more information about the congress and the registration, please visit www.OTdigital.eu/registration.

PRESENTATION SUBMISSION

For information on submitting abstracts, please visit: <https://otdigital.eu/abstract/>
Submission deadline: 15th February 2026

STARTUP PITCH

For information on applying your pitch, please visit: www.OTdigital.eu/startup-pitch
Submission deadline: 15th February, 2026

ORGANIZER

A.I.C. - Asti Incentives & Congressi Srl
P.zza San Uomobono, 30 - 56126 Pisa
Tel. +39 050 541402/598808
e-mail: veronicaboller@aicgroup.it



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