



Congress for Digitalisation in Orthopaedics and Traumatology

13th and 14th March, 2026
Berlin, Germany



PRELIMINARY PROGRAM

www.OTdigital.eu



OTdigital

13th and 14th March, 2026



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.

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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 Fürnstahl , *Koroush Kabir* , *Bernd Grimm*

16:30 Break

17:00 SESSION 2: Which digital solutions can optimize our outcome in the OR?
Arnaud Clavé , *Cristiano Pagetti*

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 Parchi

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

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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 Denkinger

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

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FACULTY

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

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Queensland University of Technology, Brisbane

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

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

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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 PARTICIPATION
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

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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

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