

Otdigital Deep Dive

The potential of AI in Orthopaedics

AI- Data Analytics - Education

16th October 2026 - Bologna, Italy



IRCCS
ISTITUTO ORTOPEDICO RIZZOLI

PRELIMINARY PROGRAM

<https://otdigital.eu/bologna-2026/>

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PRELIMINARY PROGRAM

08:30	Registration
08:50	Welcome and Introduction <i>Stefano Zaffagnini</i>  <i>Paolo Domenico Parchi</i>  <i>Cristiano Paggetti</i>  <i>David Back</i> 
09:10-10:10	SESSION 1 - Planning and Performing in the Operating Theater <i>Session Chair: Gouyard</i>  AI + Data Analytics (How Robotic Surgery Can Support Data Analytics) <i>Rath</i>  AI Driven Planning for Custom Implant in HTO <i>Belvedere / Leardini</i>  AI Driven Planning for Custom Implant in Hip Revision <i>Redone</i>  AI and Ethics <i>Montali</i>  Discussion
10:10-10:40	Coffee break
10:40-11:50	SESSION 2 - Beyond OR (Data Assessing and Accompanying Patients) <i>Session Chair: Dr. Dallari</i>  The European Challenge for an European Health Data Space <i>E. Tamburini</i>  Systematic Analysis of Revision Rate with Enabling Technologies <i>L. Nečas</i>  What's Next in Digital Surgery? <i>A. Clavè</i>  4D Prospective in Orthopedics Surgery <i>S. Prokudin</i>  Discussion

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11:50-13:00

SESSION 3 - Ethical Aspects and Challenges in Connection with AI

Session Chair: E. Tamburini 

AI and Ethics

Montali 

Data Collection: Values and Current Complexities

F. Agnoloni 

Discussion

13:00-14:00

Lunch

14:00-15:00

SESSION 4 - Feedback from Real Experiences

Session Chair: S. Zaffagnini 

Experience across Different Enabling Technologies

G. Lioci 

Navigation and Robotics: Instruments in Surgeon's Hand

D. Notafrancesco 

Lesson Learned in More Than 20 Years of Enabling Technologies

N. Confalonieri 

Discussion

15:00-15:50

SESSION 5 - Training and Education Pathways

Session Chair: P. Parchi 

Simulation and Training the Role for Innovation Adoption

V. Ferrari 

Biomedical Education Pathway in the Engineering Faculty

B. Innocenti 

Adoption Strategies in Clinical Settings

Nicoletti 

Panel Discussion

CONFERENCE CLOSING

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FACULTY

BACK DAVID ALEXANDER MBA Oberarzt
Sektionsleitung Schulter - und
Ellenbogenchirurgie Facharzt für Orthopädie
und Unfallchirurgie, Allgemeine Chirurgie,
Spezielle Unfallchirurgie, Sportmedizin

CLAVE' ARNAUD Arnaud Clavé, MD, PhD
Chirurgien Orthopédiste
Clinique Saint George, Nice, France
Laboratoire d'Analyse et de Traitement de
l'Information Médicale, LaTIM UMR 1101
INSERM-UBO
Alumnus of Oxford University and Harvard
Medical School

CONFALONIERI NORBERTO Chirurgo
Ortopedico
Casa di Cura San Camillo - Milano
Casa di Cura La Madonnina - Milano
Clinica Sangiovanni - Milano
Former Primario-Direttore (1999-2017)
dell'Istituto Ortopedico CTO/Pini di Milano
Former President of CAOS International
Scientific Association
(Computer and robot Aided Orthopaedic
Surgery)
www.norbertoconfalonieri.it

FERRARI VINCENZO Professore Associato di
Ingegneria Biomedica
Settore e Specializzazione conseguita:
Università di Pisa

INNOCENTI BERNARDO Université Libre de
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École polytechnique de Bruxelles

BEAMS Department (Bio Electro and
Mechanical Systems) a

LIOCI GIUSEPPE Laureato in medicina,
chirurgia
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Direttore UOC Ortopedia e traumatologia
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Direttore Area Ortopedica Azienda Toscana
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NOTA FRANCESCO DONATO Specialista in
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PARCHI PAOLO DOMENICO Ortopedia e
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Sede (nome Istituto o Università) e Città di
svolgimento della propria attività: Università di
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PROKUDIN SERGEJ Ph.D., Vision and Learning
Group, ETH Zurich

Stefano Zaffagnini, M.D., Prof.
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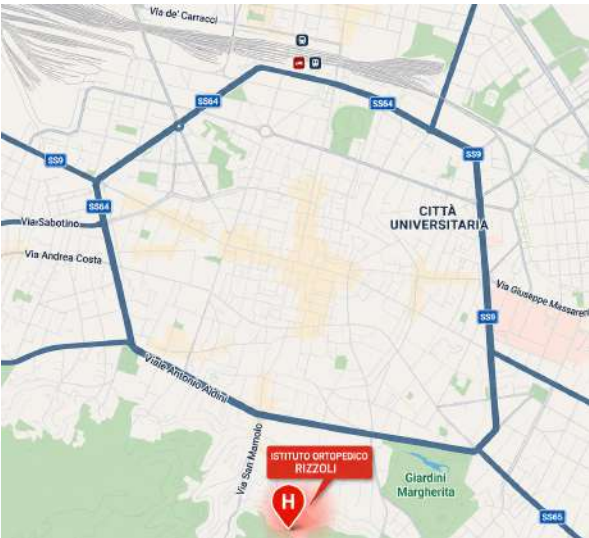
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GENERAL INFORMATION

Meeting Date:
16th October 2026

Location:
ISTITUTO ORTOPEDICO RIZZOLI
Via Giulio Cesare Pupilli, 1, 40136
Bologna BO



Official Language:
English & Italian

Chairman:
Stefano Zaffagnini, M.D., Prof.

Co-Chair:
David A. Back, M.D., MBA, Prof.

Congress Manager:
Veronica Boller

Congress Secretary:
A.I.C. Asti Incentives & Congressi Srl
Provider ID: 5468
P.zza San Uomobono, 30
56126 Pisa, Italy

PARTICIPATION FEES

	EARLY BIRD Registration until December 31 st , 2026	REGULAR REGISTRATION Registration January 1 st , 2027 to February 28 th , 2027	LATE / ON-SITE REGISTRATION From March 1 st , 2027 and On Site	ONLINE PARTICIPATION
Physician / Senior Scientist / Industry Representative	€-	€-	€-	€-
Resident / Junior Scientist	€-	€-	€-	€-
Students / Nursing Personnel / Other Healthcare Professional	€-	€-	€-	€-

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Dear colleagues and digital innovators,
Welcome to the OTdigital Deep Dive – a focused one-day meeting dedicated to the practical impact of artificial intelligence in orthopaedics.
The event will bring together experts from orthopaedics, research, and industry for a compact series of sessions, case discussions, and panel exchanges.
We will highlight current developments in AI driven surgical planning, enabling technologies in the OR, and data based decision making, with a strong focus on real world application, innovation, and industry collaboration.
We are looking forward to welcoming you in Bologna

SCIENTIFIC COMMITTEE



Prof. Paggetti



Prof. Parchi



Prof. Zaffagnini