

# OTdigital DeepDive 2025

CON IL CONTRIBUTO NON CONDIZIONANTE DI:

**Smith+Nephew**



**stryker**

CON IL PATROCINIO DI:



UNIVERSITÀ DI PISA

**Robotics in Knee arthroplasty  
Digitalisation in Orthopaedics  
and Traumatology**

**October 25<sup>th</sup>, 2025 - Pisa, Italy**



UNIVERSITÀ DI PISA

**Chairs: Vincenzo Ferrari, Cristiano Paggetti, Paolo Parchi**

## CONGRESS VENUE

### POLO CONGRESSUALE LE BENEDETTINE

Piazza S. Paolo a Ripa d'Arno, 16  
56126 Pisa (Italy)



### ORGANIZING SECRETARY AND ECM PROVIDER ASTI INCENTIVES & CONGRESSI SRL

Piazza San Uomobono, 30 - 56126 PISA (Italy)  
Tel. +39 050 598808 / 541402 - veronicabolleri@aicgroup.it



## CONGRESS VENUE

### POLO CONGRESSUALE LE BENEDETTINE

Piazza S. Paolo a Ripa d'Arno, 16  
56126 Pisa (Italy)



### ORGANIZING SECRETARY AND ECM PROVIDER ASTI INCENTIVES & CONGRESSI SRL

Piazza San Uomobono, 30 - 56126 PISA (Italy)  
Tel. +39 050 598808 / 541402 - veronicabolleri@aicgroup.it



|             |                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 08:15-08:45 | Registration                                                                                                                                                                                      |
| 08:45-09:00 | Introduction                                                                                                                                                                                      |
| 09:00-10:00 | <b>SESSION 1 Robotics in Knee Arthroplasty</b><br><b>Chairs: David Back, Enrico Bonicoli</b>                                                                                                      |
| 09:00-09:15 | <b>Arnaud Clavé</b> “Advantages and limits of robotics platforms in knee arthroplasty”                                                                                                            |
| 09:15-09:30 | <b>Simone Bignozzi</b> “Are we ready for an open platform?”                                                                                                                                       |
| 09:30-09:45 | <b>Stefano Rossi</b> “Robotics in knee alignment and balancing”                                                                                                                                   |
| 09:45-10:00 | <b>Filippo Parronchi</b> “Know more with 3D CT-based planning”                                                                                                                                    |
| 10:00-10:15 | <b>Anna Matosova</b> “Robotics knee surgery & Ergonomic aspects”                                                                                                                                  |
| 10:15-10:30 | DISCUSSION                                                                                                                                                                                        |
| 10:30-11:30 | <b>PRACTICAL AND DEMO SESSION 1</b><br><b>Robotic Knee Surgical Platforms - Augmented Reality Systems</b>                                                                                         |
| 11:15-11:45 | <b>COFFEE BREAK</b>                                                                                                                                                                               |
| 11:45-12:15 | Round Table: Stefano Paolo Rossi, Arnaud Clavé, Giuseppe Lioci, Giuseppe Turchetti, David Back, Cristiano Paggetti<br><b>“Value of Robotics on Sustainability Economics in Knee Arthroplasty”</b> |
| 12:15-13:15 | <b>PRACTICAL AND DEMO SESSION 2</b><br><b>Robotic Knee Surgical Platforms - Augmented Reality Systems</b>                                                                                         |

|             |                                                                                                             |
|-------------|-------------------------------------------------------------------------------------------------------------|
| 13:15-14:15 | <b>LUNCH</b>                                                                                                |
| 14:15-15:15 | <b>SESSION 2 New technologies for the operating theater</b><br><b>Chair: Paolo Parchi, Vincenzo Ferrari</b> |
| 14:15-14:30 | <b>Confalonieri Norberto</b> “Navigation systems: are they the past?”                                       |
| 14:30-14:45 | <b>Carbone Marina</b> “Augmented Reality systems: myths and reality?”                                       |
| 14:45-15:00 | <b>Back David</b> “Digital Health Competencies: do we need specific curricula?”                             |
| 15:00-15:15 | <b>Cédric Spaas</b> “New frontiers with head mounted displays”                                              |
| 15:15-15:30 | DISCUSSION                                                                                                  |
| 15:30-16:30 | <b>PRACTICAL AND DEMO SESSION 3</b><br><b>Robotic Knee Surgical Platforms - Augmented Reality Systems</b>   |
| 16:30-17:00 | <b>Survey on Robotic Knee Surgery</b>                                                                       |
| 16:30-17:00 | Lessons Learned and Farewell                                                                                |

## FACULTY

**David Back** (Germany)  
**Simone Bignozzi** (Italy)  
**Enrico Bonicoli** (Italy)  
**Martina Carbone** (Italy)  
**Arnaud Clavé** (France)  
**Norberto Confalonieri** (Italy)  
**Vincenzo Ferrari** (Italy)  
**Giuseppe Lioci** (Italy)

**Anna Matosova** (Italy)  
**Stefano Marchetti** (Italy)  
**Cristiano Paggetti** (Italy)  
**Paolo Domenico Parchi** (Italy)  
**Filippo Parronchi** (Italy)  
**Stefano Rossi** (Italy)  
**Cédric Spaas** (Luxembourg)  
**Giuseppe Turchetti** (Italy)