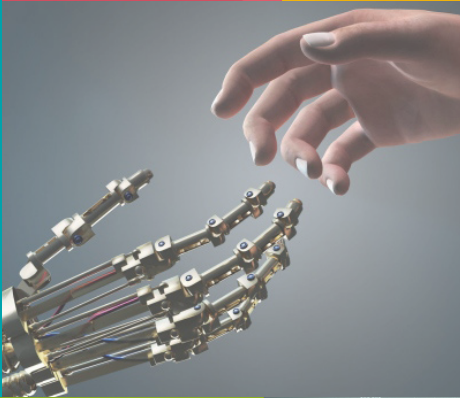




# 2nd Congress on Innovation and Evidence in Knee Surgery

*Friday, 23 February 2018*  
*Aula, Ghent University*



**Scientific Committee**  
Bernardo Innocenti  
Matthias Verstraete  
Jan Victor



## Scientific Committee

Bernardo Innocenti  
Matthias Verstraete  
Jan Victor

## Organisation

UZ Gent  
Dienst Orthopedie  
C. Heymanslaan 10  
9000 Ghent  
Belgium

## Congress Secretariat

MediCongress Services  
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## Welcome

Dear Colleagues,

**Artificial Intelligence, Robotisation, Big Data Analysis and Augmented Reality** have entered our society and are currently changing daily tasks, work environment and human resources deployment in major companies.

Disruptive technology is entering our profession at an equally rapid pace. At five years from now, it is very unlikely that we will still work in similar circumstances as we work in today.

With CAOS Belgium we decided to dedicate a Congress to novel technology that sits on the verge of break-through and has the potential to change orthopedic surgery.

We welcome you in Ghent for an **interactive Congress on Innovation and Evidence in Knee Surgery** and hear from colleagues and commercial partners how they are contributing to this technological revolution.

We wish you an instructive and stimulating Congress!

**Jan Victor,  
on behalf of the Scientific Committee:**

Bernardo Innocenti and Matthias Verstraete

## Programme

### Evidence and Innovation

Moderators: Emmanuel Thienpont and Bruno Vandekerckhove

- 08.55 **Welcome**  
Jan Victor
- 09.00 **What is Evidence**  
Catherine Vanderstraeten, Belgium
- 09.15 **Value and Cost of New Technology**  
Emmanuel Thienpont, Belgium
- 09.30 **The Industry Perspective on Innovation**  
Brian McKinnon, USA
- 09.45 **International Panel Discussion**  
Scott Banks, Gareth Jones, Brian McKinnon, Martin Roche,  
Patrick Meere and Gijs van Hellemond
- 10.10 **Keynote: What can we learn from Natural Evolution: Biomimetics**  
Dominique Adriaens, Belgium
- 10.30 **Coffee Break**

### Personalised Orthopaedics

Moderators: Catherine Vanderstraeten and Patrick Meere

- 11.00 **The Case for a Customised Implant**  
Michel Bonnin, France
- 11.15 **Surgical Customisation**  
Gijs van Hellemond, The Netherlands
- 11.30 **MoveUp - Data driven personalised Patient Journey & Recovery**  
Ward Servaes, Belgium
- 11.45 **Personalised Orthopaedics: From Bench to Bedside**  
Gareth Jones, UK
- 12.00 **Discussion**
- 12.20 **Lunch and Poster Session**

### Knee Kinetics and Stability

Moderators: Michel Bonnin and Matthias Verstraete

- 13.30 **Intra-op Measurement**  
Patrick Meere, USA
- 13.40 **Unloading**  
Christian Stürke, Germany

## Programme

### Knee Kinetics and Stability

Moderators: Michel Bonnin and Matthias Verstraete

- 14.00 **Mathematical Modelling**  
Irina Bodere, Belgium
- 14.10 **Primary Suture of the ACL: Back to the Future?**  
Thomas Luyckx, Belgium
- 14.20 **Lateral Knee Stability**  
Thomas Tampere, Belgium
- 14.30 **Retaining both Cruciates Ligaments in TKA: The Holy Stability Grail?**  
Nele Arnout, Belgium
- 14.40 **Discussion**

### Robotics

Moderators: Scott Banks and Jan Victor

- 14.50 **Robotics with Haptic Control**  
Martin Roche, USA
- 15.05 **Robotics with the Navio System**  
Brian McKinnon, USA
- 15.15 **Robotics as a Research Tool: Opportunities and Pitfalls**  
Stijn Herregodts, Belgium
- 15.25 **Keep the Robot out of your OR, for now**  
Gareth Jones, UK
- 15.35 **Discussion**

### Kinematics

Moderators: Bernardo Innocenti and Gijs van Hellemond

- 15.45 **Keynote: What have we learned and how will In Vivo Fluoroscopic Analysis help us in the Future**  
Scott Banks, USA
- 16.05 **What's all the Fuzz? Good Kinematics = Happy Patient?**  
Stefaan van Onsem, Belgium
- 16.15 **Modelling Knee Kinematics and Kinetics in the Native and Replaced Knee Joint**  
Silvia Pianigiani, Italy
- 16.25 **New Technologies on the Horizon**  
Matthias Verstraete, USA
- 16.35 **Discussion**
- 16.45 **Poster Award and Reception**

### Registration Fees

Participant	150,00 €
Student*	50,00 €

\*Certificate confirming Student status is obligatory.

### Registration includes

Participation in the scientific sessions and the technical exhibition, the coffee break, lunch and reception. Participants will also receive the programme and all Congress documents.

### Cancellation Policy

Any participant cancelling his/her registration before 15 December 2017, will receive a refund, less 25,00 Euro covering administration costs. No refunds are made after this date.

### Venue

Ghent University, Aula Ghent  
Voldersstraat 24, 9000 Ghent, Belgium

### Parking Facilities

Entering Ghent from the E40 or the E17 motorways, follow the signs 'P-route' (parking-route) to parking P5 (Kouter), P6 (Centre Parking, Korte Meer) or P7 (Sint-Michiels).

### Accreditation

A request for accreditation has been submitted. All participants will receive a Certificate of Attendance by email at the end of the Congress.

### Language

The official language of the Congress is English. No simultaneous translation will be provided.

### Exhibition

An exhibition highlighting medical and surgical equipment and pharmaceutical products will be held during the Congress. Access to the exhibition is free for all participants.

### Coffee and Lunch

Coffee and lunch breaks will take place in the exhibition hall.

### Liability

In registering for the Congress, participants agree that neither the Congress Committee nor the Administrative Secretariat assume any liability. Participants should therefore organise their own health, travel and personal insurance.

### Major Sponsors



### Exhibitors



# NAVIO<sup>◇</sup> Surgical System

Powering the JOURNEY<sup>®</sup> Knee System

## The NAVIO System Advantage

### Handheld robotic assistance

- A high degree of accuracy of execution of bone resection within the defined surgical plan.<sup>1</sup>

### CT-free technology

- Direct anatomic mapping paired with kinematic registration recreates a virtual 3D representation of patient anatomy.

### Customisable surgical planning

- Intraoperative, patient specific implant localisation and soft-tissue balance.

### Surgeon controlled

- No reliance on representative to drive case forward.
- Surgeon remains in semi-autonomous control.

### Portable

- Small and compact with a minimal OR footprint.
- Simple transportation between operating theatre rooms.



## Reshaping Mobility