

Computer Assisted Orthopedic Surgery 2024



WELCOME TO  
**CAOS 2024**  
**NETHERLANDS**

SEE YOU IN GRONINGEN  
19-22 JUNE 2024

[WWW.CAOS2024.ORG](http://WWW.CAOS2024.ORG)





**Paul Jutte**  
Chair of local committee  
CAOS 2024 Groningen

[www.CAOS2024.org](http://www.CAOS2024.org)



# Welcome to CAOS 2024 in Groningen

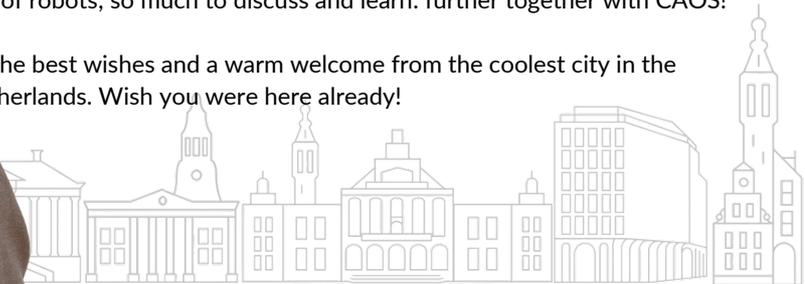
a vibrant and old city in the North of the  
Netherlands in the Western part of Europe

Surrounded by the natural, flat grazing grounds, lakes and forest-rich nature close to the sea, Groningen became city rights in 1040. The university was founded in 1614 and due to its successful curricula over 400 years, it now hosts 50.000 students from all over the world. And that brings the interesting mix of young and old, of tech and med that proved to be such a great fruitful soil for innovation. It is a field lab full of innovators living and working together to improve health by technology.

CAOS2024 will provide a wonderful event to meet old & make new friends and be enlightened into the newest developments in your field during interactive workshops, presentations and coffee breaks, where you can stroll by numerous industry displays whilst having good coffee and healthy local food.

We live in an era of an explosive rise of integration of technology in our daily lives. The world is 3D and so are we. Apps for daily support, computers to navigate, AI to predict, analyze and provide feedback, the rise of robots; so much to discuss and learn: further together with CAOS!

All the best wishes and a warm welcome from the coolest city in the Netherlands. Wish you were here already!



# Who is at CAOS 2024 Groningen

[www.caos2024.org](http://www.caos2024.org)



## Who will attend:

- We expect 400 participants from all over the world
- We aim for a cross-fertilization between delegates and corporate partners
- Target group:
  - orthopedic surgeons
  - trauma surgeons
  - researchers
  - Delegates from clinical and technical backgrounds and corporate partners
  - Biomedical engineers

## Organizing committee

Prof.dr. Paul Jutte, Chairman, orthopedic surgeon  
Dr. Hugo van der Veen, Treasurer, orthopedic surgeon  
Dr. Jasper Gerbers, orthopedic surgeon  
Prof.dr. Job Doornberg, orthopedic surgeon  
Sander Tabernée Heijmeijer, MSc technical physician  
Dr. Frank IJpma, trauma surgeon  
Dr. Peter Pijpker, technical physician  
Dr. Joris Ploegmakers, orthopedic surgeon  
Odette C.M. de Beer - Kock, PCO Excel Congressservice



# About CAOS 2024 Groningen

[www.caos2024.org](http://www.caos2024.org)



## Congress Venue

The conference takes place at the  
**University Medical Center Groningen (UMCG)**  
Hanzeplein 1  
Groningen, The Netherlands



## Social Events

Wednesday June 19th:  
Welcome Reception  
for Board, Organizing committee, Delegates and  
sponsors

Thursday June 20th:  
Presidents Dinner (Invitation only)  
for Board, Organizing committee, Keynote speakers  
and Platinum Sponsors

Friday June 21st:  
CAOS 2024 Dinner Party  
(open invitation - ticket purchase necessary)



# CAOS 2024 Dinner Party Groningen

Friday 21 June 2024

[www.caos2024.org](http://www.caos2024.org)



## Venue:

### Martini Kerk Groningen

Martinikerkhof 3, Groningen

18.30 Drinks

19.30 Dinnerparty & entertainment

23.00 End of dinner

23.00 Afterparty at NOK (rooftop Forum)

00.30 End of the Social events CAOS 2024

Tickets, including acces, drinks and dinner:

Tickets € 90

Student-ticket € 50



# "Further Together"



## Preliminary program CAOS 2024: Workshops

**Wednesday 19 June 2024**

**13.30 - 17.30 hrs**

- Digital OR's
- Hip surgery
- Knee surgery
- Trauma & deformity
- Artificial intelligence
- MDR/FDA legal strategy
- Biomechanics
- Robotics in the OR
- Oncology
- 3D implants
- AR/MR/VR
- Ultrasound

More workshops possible in line with working parties wishes

**18.00 Welcome Reception**

## Short Program:

**Thursday 20 June 2024**

**08.30** Fundamental technology innovations

**10.00** Coffee

**10.45** Education & training (incl. Keynote lecture)

**12.15** Lunch

**13.15** Artificial intelligence (incl. Keynote lecture)

**14.45** Tea

**15.30** 3D printing

**17.00** End of program

**19.00** Presidents Dinner

**21.00** Pubcrawl Young Investigators



# "Further Together"



## Preliminary program CAOS 2024:

### Short Program:

#### Friday 21 June 2024

- 08.30 Clinical outcome
- 10.00 Coffee
- 10.45 Computer Assisted Surgery developments  
(incl. Keynote lecture)
- 12.15 Lunch
- 13.15. Mixed realities (AR/VR/MR) (incl. Keynote lecture)
- 14.45 Tea
- 15.30 Hard robotics
- 17.00 General assembly
- 18.30 CAOS Dinner Party

#### Saturday 22 June 2024

- 08.30 Soft robotics
- 10.00 Coffee
- 10.45 Collaborative interdisciplinary studies
- 11.30 Podium presentations & award ceremony
- 12.00 Closing ceremony

### Keynote lectures

#### Prof.dr. Ruurd Jaarsma

Flinders University  
Adelaide, Australia

#### Prof.dr.ir. Stefano Stramigioli, (M.Sc., Ph.D.)

University of Twente, the Netherlands





## Information & Organisation

Excel Congressservice  
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