

Computer Assisted Orthopedic Surgery 2024



WELCOME TO
CAOS 2024
NETHERLANDS

SEE YOU IN GRONINGEN
19-22 JUNE 2024

WWW.CAOS2024.ORG





Paul Jutte
Chair of local committee
CAOS 2024 Groningen

www.CAOS2024.org



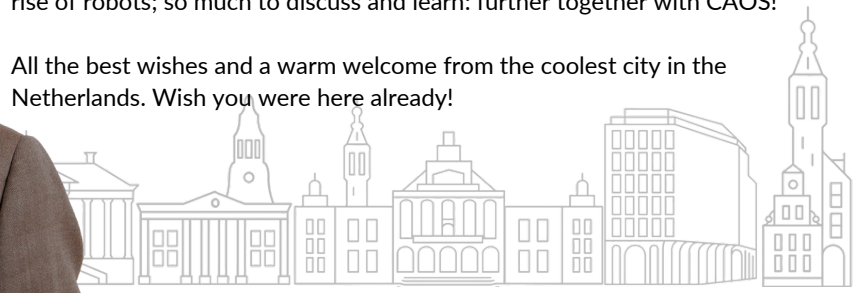
Welcome to CAOS 2024 in Groningen a vibrant and old city in the North of the Netherlands in the Western part of Europe

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



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 Heijtmeyer, 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



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



Venue:

NOK Groningen

Nieuwe Markt 1 Groningen

18.30 Drinks

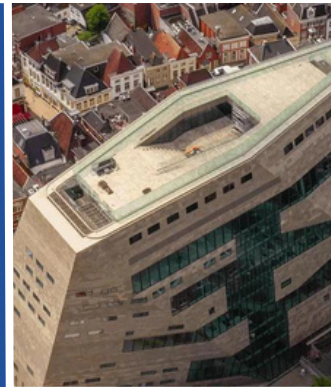
19.30 Dinnerparty & entertainment

23.00 End of the Social events CAOS 2024

Tickets, including acces, drinks and dinner:

Tickets € 90

Student-ticket € 50



Keynote Lecturers

"Further Together"



Prof.dr. Ruurd Jaarsma
Professor of Orthopaedics and Trauma
Surgery, Flinders University
Adelaide, Australia



Dr. Prakash Jayakumar
Assistant Professor of Surgery
Director of Value Based Health Care and
Outcome Measurement
The University of Texas at Austin, Dell
United States of America



Prof.dr. Sarthak Misra
Surgical robotics
University of Twente & UMC Groningen
the Netherlands



Prof.dr.ir. Stefano Stramigioli
Advanced robotics
University of Twente
the Netherlands



Dr. Frank Ypma
Trauma surgeon
3D Printing
University Medical Center Groningen
the Netherlands



Elvis Chui Chun Sing
AI in Orthopaedics
Chinese University of Hong Kong



"Further Together"



Preliminary program CAOS 2024: WEDNESDAY 19 JUNE 2024: WORKSHOPS

13.00 - 14.15 hrs Round 1

14.30 - 15.45 hrs Round 2

15.45 - 16.15 hrs Teabreak & networking

16.15 - 17.30 hrs Round 3

THEMES:

- 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



"Further Together"



Preliminary program CAOS 2024:

THURSDAY 20 JUNE 2024: KEYNOTE LECTURES & ABSTRACTS

08.30 Fundamental technology innovations

10.00 Coffee & Networking

10.45 Education & training

Keynote: Prof.dr. Ruurd Jaarsma

Surgical education - Patrick Nieboer & Mike Huiskens

12.15 Lunch & Networking

13.15 Soft Robotics

Keynote: Prof.dr. Sarthak Misra

14.45 Tea & Networking

15.30 3D printing

Keynote: Dr. Frank Ypma

17.00 End of program

17.15 Board meeting CAOS at UMCG

19.00 Presidents Dinner

21.00 Pubcrawl Young Investigators





"Further Together"

Preliminary program CAOS 2024:

FRIDAY 21 JUNE 2024: KEYNOTE LECTURES & ABSTRACTS

08.30 Clinical outcome

10.00 Coffee & Networking

10.45 AI in Orthopaedics: Advancing Planning and Prediction Systems

Keynote: Elvis Chui Chun Sing

12.15 Lunch, Visit Exhibition & Networking

13.15. Mixed realities (AR/VR/MR)

Keynote: Prof.dr. Stefano Stramigioli

14.45 Tea & Networking

15.30 Artificial Intellience

Keynote: Dr. Prakash Jayakumar

17.00 General assembly CAOS

Social events:

18.30 CAOS Dinner Party



"Further Together"



Preliminary program CAOS 2024:

SATURDAY 22 JUNE 2024: KEYNOTE LECTURES & ABSTRACTS

Saturday 22 June 2024

08.30 Computer Assisted Surgery developments

10.00 Coffee

10.45 Collaborative interdisciplinary studies

11.30 Podium presentations & award ceremony

12.00 Closing ceremony





Registration & Information

	Early Bird	From March 1st
CAOS member	€ 550	€ 650
CAOS student member	€ 200	€ 300
Non member	€ 700	€ 750
Student	€ 300	€ 350
Workshops Wednesday	€ 80	€ 80

Excel Congressservice
Van Rijkevorsellaan 31
5066 BR Moergestel, the Netherlands
www.excelcs.nl

 # 31 13 544 00 13

 Info@Excelcs.nl

www.CAOS2024.org