

ORAHS 2025 – Doctoral Colloquium – 05 to 06.07.2025

After Karlsruhe in 2019, Graz in 2023, and Turin in 2024, we are very happy to welcome you to the fourth ORAHS doctoral colloquium (DC)!

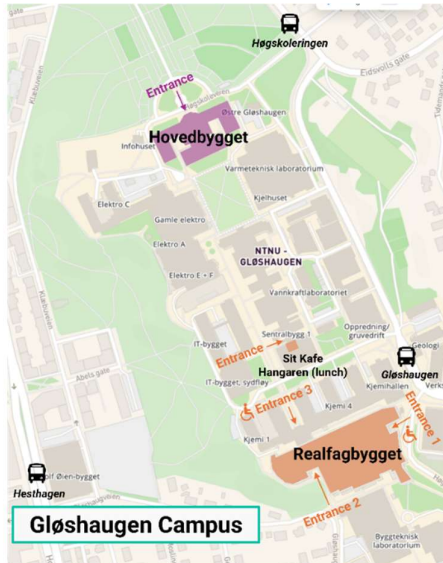
Within ORAHS, supporting PhD students and welcoming them into our research family is important for us. For the DC, doctoral students working on their theses in the field of Operations Research applied to Health Services were invited to submit a research proposal paper. The submissions could be current working papers as well as dissertation theses outlines. As in previous years, students present their submitted research and receive feedback from a group of experienced researchers on Saturday and Sunday before the conference. Each student was assigned two experts to read their submission and guarantee a lower bound on the feedback. Besides group discussions for each talk, students get one-on-one time with the experts in the “speed-dating” sessions. This year, we decided to include a talk given by one of the experts on a relevant topic. We are very happy that Hannah Johns agreed to talk about her experiences on publishing OR in healthcare research for practitioners. Lunch and coffee breaks as well as the very special social dinner on Saturday will give PhD students and seniors the chance to network and socialise. On Sunday, all participants will travel from the DC to the reception and officially start the conference together. We believe that these events are important for the young generation of researchers and valuable for the seniors and therefore aim for the DC to become a regular part of ORAHS conferences.

Each doctoral student who submitted a paper gets 10 Minutes for a presentation and 5 Minutes for questions from the audience afterwards. The talks are organised in four sessions, and the sessions are followed by group discussions on the paper contents. For that, we will split into two groups to give each group a full hour for discussion. During these group discussions, experts will also include their feedback on the submitted papers. On the second day, students get to talk to the experts in one-on-one meetings. Each meeting will take 20 Minutes, giving us six slots in total. Doctoral students who submitted a paper will have three meetings, all other students two. During those times when students do not have one-on-ones, we divide them into groups of 3-4 and ask these groups to find common research interests and potential overlaps of their research topics. Ideally, groups can pitch potential paper ideas to the experts at the end of the second day or at least summarise their common research interests and overlaps. This is supposed to be seen as an exercise for students to look beyond their thesis scope and to derive new research ideas with other academics from different backgrounds. If students want, they can follow up on the ideas during and/or after ORAHS and ask an expert for feedback or even to join the group as support. In general, we ask experts to be available for the participating doctoral students throughout the conference if more questions arise and the students to make use of that.

We hope you will all enjoy the doctoral colloquium, receive helpful feedback and form long-lasting connections with students and experts alike.

Melanie Reuter-Oppermann and Joe Viana

The DC will take place at the Hovedbygget (The Main Building) at Gløshaugen ([Høgskoleringen 1, 7034 Trondheim](#)). The closest bus stops are Gløshaugen and Høgskoleringen. It's a ~30 walk from Trondheim Square (Torvet). Joe Viana: +47 467 47 811 or + 44 7809 241 214 (WhatsApp).



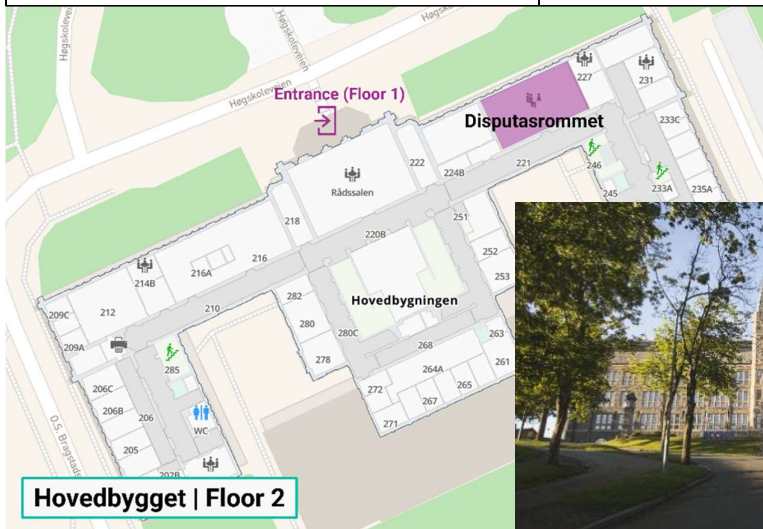
Experts

Hannah Johns, Melbourne (Australia)
 Nadia Lahrichi, Montreal (Canada)
 Sandy Rutherford, Vancouver (Canada)
 Houra Mahmoudzadeh, Waterloo (Canada)
 Angel Ruiz, Montreal (Canada)
 Melanie Reuter-Oppermann, Maastricht (Netherlands)
 Ilze Ziedins, Auckland (New Zealand)
 Joe Viana, Trondheim (Norway)
 Thomas Bovim, Trondheim (Norway)

Participants (Bold presenting)

Miguel Baigorri, Navarre (Spain)
 Sachin Bodke, Bombay (India)
Sara Cambiaghi, Padua (Italy)
Alice Daldossi, Turin (Italy)
Lieke Jansen, Groningen (Netherlands)
Simran Lakhani, Bombay (India)
 Yuan Li, Auckland (New Zealand)
Jedidja Lok-Visser, Twente (Netherlands)
Mina Moeini, Vancouver (Canada)

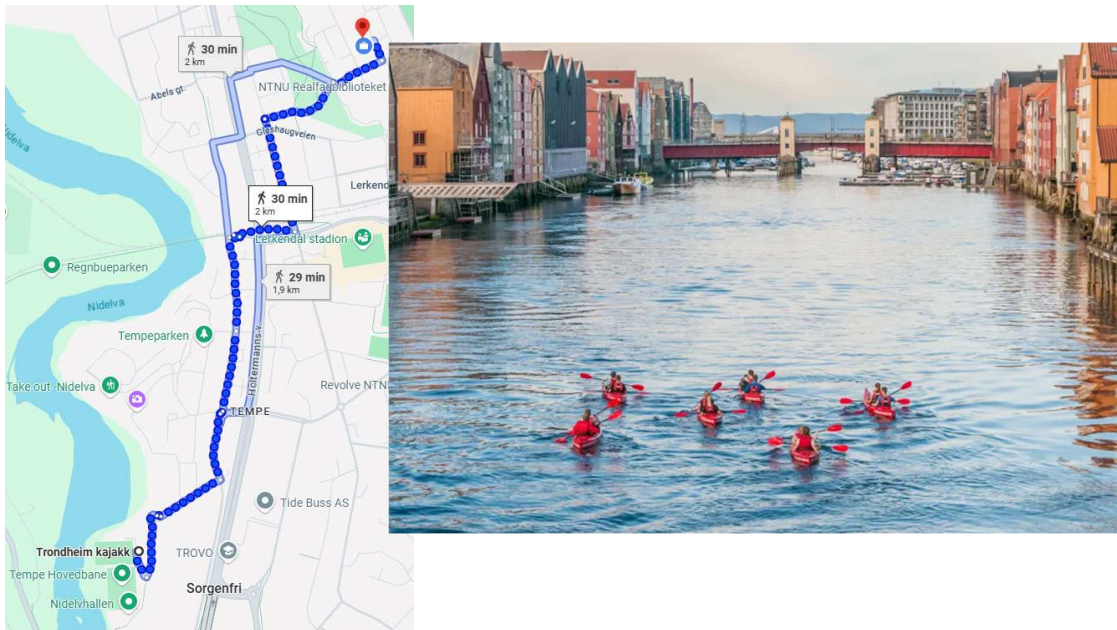
Ricardo Otero, Leuven (Belgium)
Chao Pan, Leuven (Belgium)
Philipp Pelz, Regensburg (Germany)
Camille Pinçon, Montréal (Canada)
Gabriela Pinto-Espinosa, Leuven (Belgium)
 Victor Ploeg, Twente (Netherlands)
Arina Soboleva, Delft (Netherlands)
Agita Solzemniece, Copenhagen (Denmark)
 Lars Van Der Meer, Twente (Netherlands)
BoFan Zhang, London (UK)



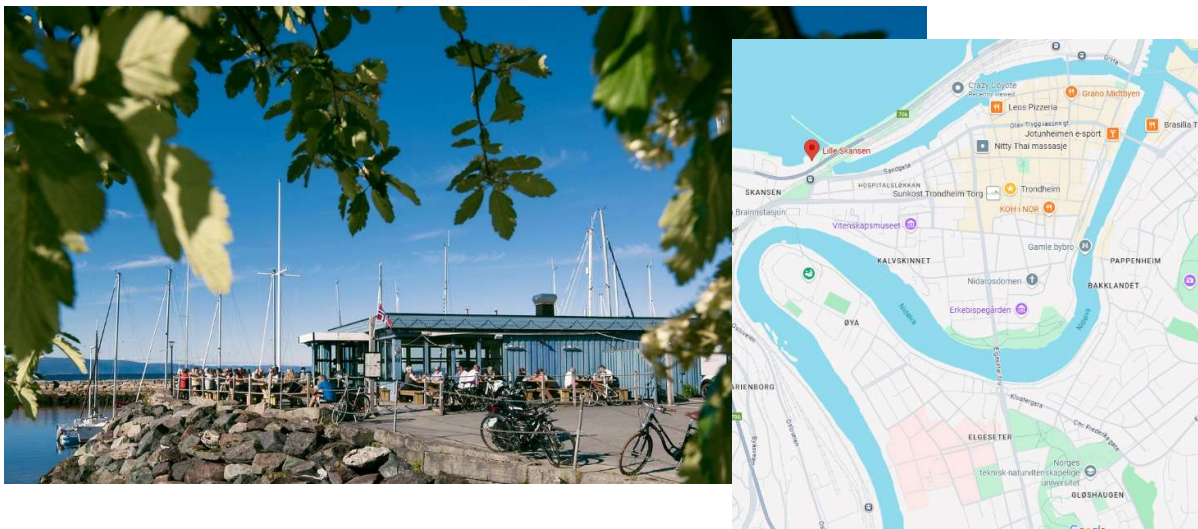
Saturday Kayaking and Dinner

Kayaking 16:45 to 18:45 and dinner from 19:00

We have the opportunity to kayak along Nidelva (the river Nid) to dinner. [Trondheim Kajakk](#) will provide the Kayaks and the guides. Joe will lead the way to the starting point ([Tempevegen 13, 7037 Sorgenfri, Norway Trondheim, Trøndelag 7490](#))



We will have a Tapas dinner at [Lille Skansen](#) (Nedre Ila 2, 7018 Trondheim) on the Trondheim fjord ~19:00



Saturday 05.07.2025:

8:45 – 9:00: Arrival

9:00 – 9:15: Intro & welcome

9:15 – 10:30: Session 1 (talks 10 min + 5 min questions each)

1. **Sara Cambiaghi:** Operating Room Scheduling under uncertainty: point predictions vs. conditional density estimation (*Houra, Thomas*)
2. **Alice Daldossi:** Operating room scheduling with fairness over time (*Ilze, Sandy*)
3. **Chao Pan:** Data Analysis and Optimization for Operating Room Planning and Scheduling during COVID-19 (*Ilze, Sandy*)
4. **Ricardo Otero:** A kernel-based approach for the contextual stochastic surgery scheduling problem (*Thomas, Houra*)
5. **Gabriela Pinto:** Daily operating room scheduling under limited availability of recovery beds and turnover staff (*Hannah, Sandy*)

10:30 - 10:45: Coffee break

10:45 – 11:30: Session 2 (talks 10 min + 5 min questions each)

1. **Miguel Baigorri:** Modeling Strategic-Level Decision-Making in Specialized Healthcare Using Simulation, with a Focus on Reducing Waiting Lists in Traumatology Services (*Nadia, Joe*)
2. **Bofan Zhang:** Reusable Simulation of Emergency Departments: A Domain-Specific Modelling Language Approach (*Melanie, Joe*)
3. **Lieke Jansen:** Planning and control of multi-modal multi-commodity emergency medical services in rural areas (*Melanie, Nadia*)

11:30 – 12:30: Lunch

12:30 – 13:30: Group discussions for sessions 1 and 2

13:30 – 14:30: Session 3 (talks 10 min + 5 min questions each)

1. **Simran Lakhani:** Offline Appointment Scheduling of Patients for a Scanning Facility Under High Demand (*Thomas, Houra*)
2. **Philipp Dominik Pelz:** Stochastic modeling and optimization of patient to room allocations in hospital wards (*Ilze, Joe*)
3. **Jedidja Lok-Visser:** Dynamic appointment scheduling with elective and semi-urgent patients (*Angel, Houra*)
4. **Mina Moeini:** Panel Size Management for Enhanced Patient Care: A Data-Driven Simulation Approach (*Joe, Angel*)

14:30 – 14:45: Coffee break

14:45 – 15:30: Session 4 (talks 10 min + 5 min questions each)

1. **Camille Pincon:** Multi-objective scheduling of chemotherapy drugs (*Sandy, Melanie*)
2. **Agita Solzemniece:** Predictive decision-support tool for improved nurse scheduling through the application of artificial intelligence (*Nadia, Melanie*)
3. **Arina Soboleva:** From Theory to Clinic: Operationalizing Evolutionary Cancer Therapy for Metastatic Non-Small Cell Lung Cancer (*Hannah, Nadia*)

15:30 – 15:40: Summary and closing

15:40 – Walk to [Trondheim Kajakklubb](#) Joe will lead the way ([Tempevegen 13, 7037 Sorgenfri, Norway](#)
[Trondheim, Trøndelag 7490](#))

19:00 – Dinner at [Lille Skansen](#) ([Nedre Ila 2, 7018 Trondheim](#))

Sunday 06.07.2025:

9:00 – 9:30: Arrival

9:30 – 10:30: Group discussions for sessions 3 and 4

10:30 – 10:45: Coffee break

10:45 – 11:45: Input talk by Hannah Johns – “Publishing for practice”

11:45 – 12:45: Lunch break

12:45 – 14:45: Speed-dating and group work on joint paper ideas

14:45 – 15:00: Coffee break

15:00 – 16:30: Presentations and discussion of the group work

16:30 – 17:00: Summary and closing

17:00 – 18:00: We will all make our way to the Welcome Reception at Rockheim