

International Summer School 2024

Advances in Multi-Modal Cooperative Traffic and Mobility Management



An initiative of **TRAIL Research School** and **DIT4TraM**

Key information

Date:	2 - 5 July 2024
Fee:	<i>Early bird:</i> €400 for PhD students - €800 for professionals After 20 May: €450 for PhD students - €850 for professionals Free for TRAIL PhD student members, and PhD students of a TRAIL member university or faculty, and partners of the DIT4TraM project
Location:	TU Delft, the Netherlands
Organized by:	Research School for TRANsport, Infrastructure and Logistics (TRAIL)
Target group:	International PhD students (both TRAIL and non-TRAIL members), and practitioners
Group size:	Max. 45 participants
Credits:	1,5 ECTS

Highlights

- hands-on exercises, interactive workshops, and in-depth case studies.
- apply your learning in simulated environments and real-world scenarios.

Registration and deadline

Submit your application with a short description of your Phd research and/or your field of interest, before 20 May 2024 – [CLICK HERE](#). In case of more than 45 registrations, participants will be admitted on a first come, first served basis.

Staff

Course managers: Prof. Serge Hoogendoorn, Dr. Andreas Hegyi, Dr. Victor Knoop (DUT)

Lecturers: Prof. Oded Cats (DUT), Prof. Nikolas Geroliminis (EPFL), Prof. Dirk Helbing (ETH), Prof. Ludovic Leclercq (TU Eiffel), Prof. Eleni Vlahogianni (NTUA), a.o.

Questions

If you have any questions about the organisation of the summer school, feel free to send an email to Conchita van der Stelt (info@rstrail.nl). You can contact Andreas Hegyi (A.Hegyi@tudelft.nl) or Victor Knoop (v.l.knoop@tudelft.nl) about the content.

For whom is the summer school?

For **PhD candidates**, this course serves as a crucial stepping stone in their academic and professional journey. By immersing themselves in the latest research and methodologies in multi-modal traffic and mobility management, participants gain invaluable insights that can inform their doctoral studies and future research endeavours. Moreover, the interdisciplinary nature of the course provides PhD candidates with a holistic understanding of transportation systems, enabling them to contribute to groundbreaking research at the intersection of engineering, urban planning, and sustainability.

For **practitioners** working in transportation planning, engineering, and policy, this course provides a unique opportunity to stay abreast of the latest advancements and best practices in multi-modal traffic and mobility management. In today's dynamic urban environments, practitioners face a myriad of challenges—from congestion and air quality concerns to the rapid emergence of new mobility solutions. This course equips practitioners with the tools and strategies needed to address these challenges effectively and sustainably.

What is the summer school about?

This summer school is dedicated to exploring the forefront of multi-modal traffic and mobility management. In today's rapidly evolving urban landscapes, the efficient and sustainable management of transportation systems is paramount. This program offers a unique opportunity for participants to immerse themselves in the latest advancements, methodologies, and strategies shaping the future of transportation.

Moreover, this course isn't just about theoretical knowledge—it's about practical application. Through hands-on exercises, interactive workshops, and in-depth case studies, participants will have the opportunity to apply their learning in simulated environments and real-world scenarios.

What do you gain?

For **PhD candidates** this summer school offers a platform to network with peers, exchange ideas, and engage with industry experts. Through collaborative exercises and discussions, participants can explore diverse perspectives and forge meaningful connections that may lead to future collaborations and career opportunities. Ultimately, this course equips PhD candidates with the knowledge, skills, and networks necessary to become leaders in the field of transportation management and make meaningful contributions to society.

For **practitioners** we offer a platform to engage with leading experts in the field, share their experiences, and learn from real-world case studies. By tapping into the collective expertise of the group, practitioners can gain fresh insights, discover innovative solutions, and enhance their professional practice. Whether it's optimizing existing transportation networks, implementing new technologies, or developing sustainable mobility policies, this course empowers practitioners to make informed decisions and drive positive change in their communities.

Who is organizing this summer school?

[TRAIL](#) is a Dutch research school which aims to provide high quality training and education for PhD students in the area of Transport, Infrastructure and Logistics. The school is supported by [six universities](#).

The [DIT4TraM project](#), funded by the European union, is applying swarm intelligence to manage multimodal traffic and transport flows.

Meals and accommodation

The on-site participation fee includes coffee & tea, lunches every day, and one dinner. Travel expenses and hotel accommodation are not included.