



Join our
2025 Workshop on Systems Thinking and Transport
27-28th February 2025.

This free two day event will take place in person at BOKU, Vienna, Austria, with the first day also available to attend online.

Day 1 is 10am - 5pm (local time) and will consist of **presentations**, **discussion sessions** and **networking breaks** in the topics of **Freight** and **Personal Mobility**. The TSIG Committee will also be sharing their reflections and experience of working on systems thinking and transport, and there will be a TSIG Business session.

Day 2 will be an in-person morning session only, consisting of a 2-3 hour visioning workshop hosted by Peraphan Jittrapirom and Guy van Nifterik of Radboud University: **Group Model Building as a value-elicitation method: a case of mobility hub**.



[PLEASE REGISTER HERE TO ATTEND](#)

Systems Thinking and Transport Workshop 2025

February 27-28th 2025, BOKU, Vienna, Austria

Hosted by the System Dynamics Society Special Interest Group in Transportation

(All times in local CET)

Thursday 27th February

In person and Online

10 – 10.10: Introductions

10.10 – 10.20: The growth of SD/ST in Transport

10.20 – 10.50: TSIG Committee Reflections: SD/ST in Transport

10.50 – 11.50: Freight Session 1 (full papers)

Multi-actor modelling of the diffusion of electric heavy trucks

Anna Pernestål, Skogforsk Swedish Forestry Research Institute

System-level impacts of electrification on the road freight transport system: a dynamic approach

Zeinab Raoofi, KTH Royal Institute of Technology

11.50 – 12.10: Freight Session 2 (lightning talks)

Exploring the dynamic interdependencies within the parameters influencing the fleet management of electric heavy-duty trucks

Vivek Venkatesh Shenoy, Scania CV AB, Sweden

Powering Freight: Exploring the Dynamics of Electric Trucks and Electric Energy System

Zeinab Raoofi, KTH Royal Institute of Technology

12.10 – 12.30: Freight Discussion

12.30 – 13.30 : LUNCH Networking/Posters (in person only)

13.30 – 14.30 : Personal Mobility Session 1 (full papers)

Modelling public perceptions on the fairness of transport decarbonization

Vanessa Ternes, University of Leeds, Leeds, United Kingdom

How might E-scooters affect Active-Mobility Health Outcomes Through Time?

Benjamin W Pearre, self, Cambridge, MA, USA

14.30 – 15.30 Personal Mobility Session 2 (lightning talks)

Studying the Impact of Urban Policies on Sustainable Urban Mobility: A System Dynamics Approach

Nibedita Dash, Indian Institute of Science, Bangalore (online)

Making Space for Modal Shift

Micha Arnoldus, TU Delft, Netherlands (online)

Integrating System-Thinking into Public Transport Planning for Small and Medium-Sized Cities in Central Europe

Bingyu Zhao; Barbara Laa, Research Unit of Transport Planning and Traffic Engineering, TU Wien, Austria

System Model-Assisted Alignment of Cross-Platformed DRT and FRS Planning Paradigms in Public Transport

Florian Heinitz, Erfurt University of Applied Sciences, Erfurt / Germany

Addressing Transport Poverty in Austria: Exploring Coping Strategies, System Dynamics, and Policy Leverage Points

Olivia Gold, Universität für Bodenkultur Wien, Vienna, Austria

Integration of Autonomous Vehicles in Passenger Transport and Its Dynamic Effect on Sector Decarbonization

Takuma Ono, DNV (Det Norske Veritas)

15.30 – 15.45 BREAK Networking/Posters

15.45 – 16.05: Personal Mobility Discussion

16.05 – 16.25 Wrap up and future of ST and Transport

16.25 – 17.00 TSIG Business

Evening Meal

(in person only, at attendee's own expense)

Time and location TBC

Friday 28th February

In person only

10 – 12.30: Visioning Workshop

Group Model Building as a value-elicitation method: a case of mobility hub.

Dr Peraphan Jittrapium and Guy van Nifterik, Radboud University, Netherlands