

Traffic and transport planning - selected topics

With a focus on urban multi-agent simulation. Course number 856.049

Gunnar Flötteröd, Linköping University, Sweden

Two weeks intensive course: 4. - 8.4. & 30.5. - 3.6.2022

Introduction of the following concepts:

- Fundamental models and methods in quantitative transport planning
- Equilibrium modeling for strategic planning, traffic assignment
- Simulation-based approaches for travel behavioral and network performance analysis

Goals:

1. interpret, use and communicate the results of quantitative transport models
2. identify suitable transport models for answering given analysis questions
3. adopt and deploy given simulators in concrete problem settings

50% lectures, 50% exercises.

The exercises comprise **hands-on studies with a Vienna transport model.**

For the exercises, students will use their private laptops.

