Lectures

Technische Universität München, 2023

Urban Infrastructure Design

- Guidelines for the construction of road space according to official guidelines (RASt)
- Lecture with exercices in AutoCAD

Technische Universität München, 2021

Traffic Flow Simulation

- Pedestrian Simulation, Social-Force-Model
- Introduction to MPed SIMULATE pedestrian simulation software

Universität der Bundeswehr München, 2013 - 2015

Decision and optimisation theory in transportation

- Optimisation theory, problem formalisation
- Linear and non-linear optimisation
- Cellular automats, queuing theory, routing
- Graph theory, network optimisation
- Game theory
- Time-series analysis