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Current Research Interests / Projects

- Improving efficiency of transportation systems (pedestrian, vehicles) by cellular and direct communication
- System level simulation of mobile communication networks (LTE-A, 5G), coupling with pedestrian mobility simulation
- Experimental evaluation of scheduling and queuing delays in mobile communication networks (platform: OpenAirInterface)

Lectures @MUAS

Computer Networks I/II, Mobile Networks, Mobile Applications, Computer Architecture, Autonomous Driving (student project)

Industrial Background

Automotive: (pre-)development of connectivity and infotainment functions

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Suggested Open Questions for Discussion

- Heterogeneous networks combining cellular and direct communication (e.g. LTE-A/5G cellular + ITS G-5 or PC5) for Intelligent Transportation Systems
- Efficiently coupling communication and mobility simulation
- Experimental platforms/networks for LTE-A and 5G