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About me

I am a member of the [Cyber-Physical Mobility Group](#).

Research

On the one hand, I am conducting research as part of the project [HarMobi \(Harmonizing Mobility\)](#). Besides, I am responsible for organizing the [CPM Olympics](#), a yearly competition focused on trajectory planning for connected and autonomous vehicles (CAVs).

On the other hand, my research focuses on multi-agent decision-making, with a specific interest in integrating learning-based and optimization-based methods, aiming to combine the merits of both. Specifically, I apply my methods to CAVs. I believe CAVs are one of the key enablers for future intelligent transportation systems due to their connectivity enabled by a communication network, which is pivotal to cooperative driving. My research endeavors to overcome four specific barriers in CAVs: (1) safety, (2) real-time capability, (3) scalability, and (4) adaptability/generalizability.

Office hours

By appointment

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