

Autonomous Driving in Urban Environments

"Autonomous vehicles operating safely in mixed-traffic urban environments"

- Collaborative Driving:
 - Convoying,
 - GCDC 2011.
- Hybrid-State Systems:
 - DES-CES Interaction,
 - DGC 2004 & 2005, DUC 2007, MAGIC 2010, GCDC 2011,...
- Estimation and Tracking in Complex, Mobile Environments
 - Stochastic nature of the controller/vehicle interaction.
 - HMM formulations and data collection.
- Computational Aspects
- Correctness of Software
- Vehicles, Simulator and Testbed









