Fakultät für Informatik

Name:
Informatik 6 - Assistant Professorship Cyber Physical Systems (Prof. Althoff)

Occurences:
· Einrichtungen > Fakultäten > Fakultät für Informatik > Lehrstühle der Informatik
Entries:

[1/17]: Niklas Kochdumper, Ahmad Tarraf, Malgorzata Rechmal, Markus Olbrich, Lars Hedrich, Matthias Althoff, Establishing Reachset Conformance for the Formal Analysis of Analog Circuits, ASP-DAC, 2020


[3/17]: Moritz Klischat, Octav Dragoi, Mostafa Eissa, and Matthias Althoff, Coupling SUMO with a Motion Planning Framework for Automated Vehicles, SUMO User Conference, 2019

[4/17]: Moritz Klischat and Matthias Althoff, Generating Critical Test Scenarios for Automated Vehicles with Evolutionary Algorithms, 2352 - 2358, Proc. of the IEEE Intelligent Vehicles Symposium, 2019

[5/17]: Christian Pek and Matthias Althoff, Ensuring Motion Safety of Autonomous Vehicles through Online Fail-safe Verification, Robotics: Science and Systems -- Pioneers Workshop, 2019


[8/17]: Christian Pek and Matthias Althoff, Computationally Efficient Fail-safe Trajectory Planning for Self-driving Vehicles Using Convex Optimization, Proc. of the IEEE Int. Conf. on Intelligent Transportation Systems, 2018

[9/17]: Branka Mirchevska, Christian Pek, Moritz Werling, Matthias Althoff, Joschka Boedecker, High-level Decision Making for Safe and Reasonable Autonomous Lane Changing using Reinforcement Learning, Proc. of the IEEE Int. Conf. on Intelligent Transportation Systems, 2018

[10/17]: Markus Koschi, Christian Pek, Mona Beikirch, and Matthias Althoff, Set-Based Prediction of Pedestrians in Urban Environments Considering Formalized Traffic Rules, Proc. of the IEEE Int. Conf. on Intelligent Transportation Systems, 2018


[12/17]: Christian Pek and Matthias Althoff, Efficient Computation of Invariably Safe States for Motion Planning of Self-driving Vehicles, Proc. of the IEEE Int. Conf. on Intelligent Robots and Systems, 2018

[13/17]: Gutjahr, Benjamin and Pek, Christian and Gröll, Lutz and Werling, Moritz, Efficient trajectory optimization for vehicles using quadratic programming, Automatisierungstechnik, 2016, 64, 10, 786--794


[16/17]: Miller, Christina and Pek, Christian and Althoff, Matthias, Efficient Mixed-Integer Programming for Longitudinal and Lateral Motion Planning of Autonomous Vehicles, Proc. of the IEEE Intelligent Vehicles Symposium, 2018

[17/17]: Pek and Althoff - Efficient Computation of Invariably Safe States for Motion Planning of Self-driving Vehicles, 2018