The 2018 IEEE Intelligent Vehicles Symposium (IV'18)

Changshu, Suzhou, China

June 26 - June 30, 2018

IV'18 Special Session on

Simulation and Navigation for Intelligent Vehicles

Scope and goal:

Simulation has become a mainstream approach to provide more training data to autonomous driving and also large scale testing of the robustness and user experience of autonomous driving. Great examples of open source simulation tools such as Carla and Autonovi has facilitated such work in both the academic and industrial research communities. Many large companies working on autonomous driving capabilities are investing considerable efforts in developing good simulators (e.g. Apollo by Baidu, CarCraft by Google, etc.) Despite the widespread interest of simulation and planning for autonomous driving research and development, there are still many research challenges for developing a versatile simulation framework that can easily be applied to autonomous driving topics. This workshop will invite key research leaders in this field to introduce their latest work in this field and also share their perspectives on further challenges and how to solve those challenges.

Topics of interests (include but not limited to):

- Simulation software framework for autonomous driving
- Environment simulation
- Traffic Participants (people, vehicles, cyclists, etc.) behavior simulation
- Simulation and machine learning/deep learning
- Simulation and user experience testing

Important Dates:

Papers submission: January 29th, 2018
Notification of acceptance/rejection: March 31st, 2018
Camera-ready version due: April 8th, 2018
Conference days: June 26th - July 1st, 2018

Paper Submission:

Prospective authors are required to submit their manuscripts electrically through the conference Papercept submission system (https://its.papercept.net) and with the special session code "**a8uy6**" for the special session. Submitted papers shall not exceed six pages as a pdf file in IEEE two column format. See more detailed information at the conference website (http://www.2018iv.org/) to prepare your paper.

Organizers:

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