

The AAI'2017 Workshop on

Artificial Intelligence for Connected and Automated Vehicles

Date: Saturday, Feb 4, 2017

Address: Hilton San Francisco

333 O'Farrell Street, San Francisco, California, USA 94102

Room: Union Square 13, Fourth Floor of the Hotel

Session I Chair: *Xiaobai Liu*

9:00-9:05 Welcome and Opening Remarks

9:05-9:40 Invited Talk: Dr. *Yangqing Jia*, Facebook Inc. Title: recent trends in deep learning systems and applications

9:40-10:10 Invited Talk: Mr. *Carl Andersen*, Federal Highway Administration, Title: Stranger in a Strange Land – Automated Vehicles on Human Centric Roads

10:10-10:30 *Jiakai Zhang* and *Kyunghyun Cho*, Title: Query-Efficient Imitation Learning for End-to-End Autonomous Driving.

10:30-11:00 Coffee Break

Session II Chair: Xiaodi Hou

11:00-11:20 *Masataka Nishi*. Title: Preemptive Detection of Unsafe Motion Liable for Hazard

11:20-11:40 *Shalini Ghosh*, *Patrick Lincoln*, *Ashish Tiwari* and *Xiaojin Zhu*. Title: Trusted Machine Learning for Probabilistic Models

11:40-12:00 *Kaito Ariu, Cheng Fang, Marcio Arantes, Claudio Toledo and Brian Williams.*
Title: Chance-Constrained Path Planning with Continuous Time Safety Guarantees

12:00-12:20 *Alina Marcu and Marius Leordeanu.* Title: Object Contra Context: A Local - Global Approach to Semantic Segmentation in Aerial Images

12:20-14:00 Lunch Break

Session III Chair: Xiaobai Liu

14:00- 14:30 Invited Talk: Dr. *Jianxiong Xiao*, AutoX Inc. Title: TBD

14:30- 15:00 Invited Talk: Dr. *Tony Han*, Baidu Inc. Title: TBD

15:00-15:30 Invited Talk: Dr. *Xianfeng Yang*, San Diego State University, Title. TBD

15:30-16:00 Coffee Break

Session IV Chair: Xianfeng Yang

16:00-16:30 Invited Talk: Dr. *Xiaopeng Li*, University of South Florida. Title: Smoothing Traffic with Connected and Automated Vehicles via Trajectory Control

16:30-16:50 *Lex Fridman and Bryan Reimer.* Title: Semi-Automated Annotation of Discrete States in Large Video Datasets

Session V Chairs: Xiangfeng Yang and Xiaodi Hou

16:50-17:30 Panel Discussion. Panelist: invited speakers and participants.