

CENTER FOR AUTOMOTIVE RESEARCH

Workshop on XAI for Vehicular Intelligence

OSU-NEDO

March 19, 2019
08:30 AM – 05:00 PM

Pfahl Hall 230/240
Blackwell Inn and Conference Center
2110 Tuttle Park Place
Columbus, OH 43210

AGENDA

Session 1:

08:30 – 09:00 Welcome to OSU and Introduction to NEDO Project

09:00 – 09:40 Activity/Progress at Nagoya University overview
Prof. Kazuya Takeda, Nagoya University
Prof. Koichi Takeda, Nagoya University

09:40 – 10:30 Keynote: “Vehicle Intelligence”
Dr. Dimitar Filev, Ford

10:30 – 11:00 Break

Session 2: Chair: Prof. Keith Redmill, OSU

11:00 – 12:00 Activity/Progress at the other Universities in the Project
Prof. John Hansen, UT Dallas
Prof. Shinji Watanebe, John Hopkins University
Prof. Umit Ozguner, OSU

12:00 – Lunch

Session 3: Chair: Prof. Lisa Fiorentini, OSU

01:00 – 04:30 Presentations by students

- Ekim Yurtsever, Nagoya University, “Lane Change Risk Estimation using Deep Spation – Temporal Networks”
- Naren Bao, Nagoya University, “Understanding and modeling individual differences on driving risk perception”
- Dongfang Yang, OSU, “Interactive Crowd Pedestrian Motion Modeling Considering Vehicle-Crowd Interaction: From Rule-based Approaches to Learning-based Approaches”



- Yongkang Lie, UT Dallas, “Analysis of Driving Performance Based on Driver Experience and Vehicle Familiarity: A UTDive / MobileUTDriveApp Study”

02:30 – 02:50

Break

- Lei Zhou, Nagoya University, “An Exploration on Adversarial Model for Semi-supervised Neural Machine Translation”
- John Maroli, OSU, “System Equation Estimation of Unknown Discrete Dynamical Systems using Neural Networks”
- Aswin Shanmugam Subramanian, John Hopkins University, “End-to-End Neural Speech Processing for Machine Intelligence”
- Teawon Han, OSU, “Driving Intention Recognition and Lane Change Prediction on the Highway”
- Teawon Han and Linda Capito, OSU, “Hierarchical Vehicle Control Framework for Passing through Traffic to Exit Highway”

04:30 –

Closing comments

