



Last modified: February 8, 2018

Toyota Research Institute - Quarterly Updates  
CSAIL / MIT, 32 Vassar Street, Cambridge, MA 02139  
Terman Conference Room 32-346

Thursday, February 8, 2018

- 10:00 - 11:00am Daniela Rus: *Parallel Autonomous Driving System Decision Making for Parallel Autonomy in Clutter Tools and Data to Revolutionize Driving*
- 11:00 - 11:30am Dina Katabi: *WiFi-Based Obstacle Detection for Robot Navigation*
- 11:30 - 12:00pm Berthold Horn: *Driver-Friendly Bilateral Control for Suppressing Traffic Instabilities*
- 12:00 - 1:00pm Lunch
- 1:00 - 1:30pm Ruth Rosenholtz, Bill Freeman: *Uncovering the Pain Points in Driving*
- 1:30 - 2:00pm Jiajun Wu, Chengkai Zhang: *Analysis by Synthesis Revisited: Visual Scene Understanding by Integrating Probabilistic Programs and Deep Learning*
- 2:00 - 2:30pm Ben Ze Yuan: *The Car Can Explain!*
- 2:30 - 2:45pm Break
- 2:45 - 3:15pm Nick Roy, Boris Katz: *Using Vision and Language to Read Minds*
- 3:15 - 3:45pm Saman Amarasinghe: *Drinking from the Visual Firehose: High-Frame-Rate, High-Resolution Computer Vision for Autonomous and Assisted Driving*
- 3:45 - 4:15pm Andreas Hofmann, Brian Williams: *Geordi-A Driver's Assistant for Risk-bounded Maneuvering*
- 4:15 - 4:45pm Andreas Hofmann, Brian Williams: *Uhura-A Driver's Personal Coach for Managing Risk*
- 4:45 - 5:15pm Antonio Torralba: *Predicting a Driver's State-of-Mind*

Friday, February 9, 2018

- 10:00 - 10:30am Edward Adelson: *Exploring the World of High Definition Touch*
- 10:30 - 11:00am Jeevana Inala, Armando Solar-Lezama: *Formal Verification Meets Big Data Intelligence to Address the Trillion Miles Challenge*
- 11:00 - 11:30am Fredo Durand: *Simulation and Verification for Vision-in-the-Loop Control*
- 11:30 - 12:00 pm Daniela Rus, project overview and wrap-up - Rus office, 32-368