Toyota Research Institute - Quarterly Updates
May 16-17, 2018; Terman Conference Room 32-346

Wednesday, May-16-2018
8:30am – 9:00am  Josh Tanenbaum: Analysis by Synthesis Revisited...
9:00am – 9:30am  Sangbae Kim: All Terrain Mobility and Navigation
9:30am – 10:00am Dina Katabi: WiFi-Based Obstacle Detection for Robot Navigation
10:00am – 10:30am Saman Amarasinghe: Drinking from the Visual Firehose...
10:30am – 10:45am Break
10:45am – 11:15am Jim Glass, Antonio Torralba: Crossing the Vision-Language Boundary
11:15am – 11:45am Gerald Sussman, Lalana Kagal: The Car Can Explain!
11:45am – 12:15pm Antonio Torralba, Wojciech Matusik: Predicting a Driver's State-of-Mind
12:15pm – 1:00pm Lunch
1:00pm – 1:30pm  Daniel Jackson, Armando Solar-Lezama: A Safety Interlock for Self-Driving Cars
1:30pm – 2:00pm  Fredo Durand: Simulation and Verification for Vision-in-the-Loop Control
2:00pm – 2:30pm  Berthold Horn: Driver-Friendly Bilateral Control for Suppressing Traffic Instabilities
2:30pm – 3:00pm  Wojciech Matusik: Dense, Freeform Tactile Feedback for Manipulation and Control
3:00pm – 3:30pm  Alberto Rodriguez: The Robotic Manipulation Data Engine
3:30pm – 4:00pm  Ruth Rosenholtz, Bill Freeman: Uncovering the Pain Points in Driving
4:00pm – 5:00pm  Weekly Research Meeting (Room 32-G449 Patil)

Thursday, May-17-2018
9:00am – 9:30am  Brian Williams: Geordi-A Driver's Assistant for Risk-bounded Maneuvering + Uhura-A Driver's Personal Coach for Managing Risk / Automation for Everyone
9:30am – 10:00am Edward Adelson: Exploring the World of High Definition Touch
10:00am – 10:30am Edward Adelson: Inner Vision: Camera Based Proprioception for Soft Robots
10:30am – 10:45am Break
10:45am – 11:15am Justin Solomon: Sensible Deep Learning for 3D Data
11:15am – 11:45am Armando Solar-Lezama: Formal Verification Meets Big Data Intelligence...
11:45am – 12:30pm Lunch
12:30pm – 1:00pm  Nick Roy, Boris Katz: Using Vision and Language to Read Minds
1:00pm – 1:45pm  Daniela Rus, Sertac Karaman: Parallel Autonomous Driving System + Decision Making for Parallel Autonomy in Clutter + Tools and Data to Revolutionize Driving
1:45pm – 2:00pm  Visit Wrap-up with Daniela Rus