Toyota Research Institute - Quarterly Updates
September 18-19, 2018; Terman Conference Room 32-346

Tuesday, September-18-2018
9:00am – 9:30am  Sangbae Kim: All Terrain Mobility and Navigation
9:30am – 9:40am  Break
9:40am – 10:10am Wojciech Matusik: Dense, Freeform Tactile Feedback for Manipulation and Control
10:10am – 10:40am Antonio Torralba, Wojciech Matusik: Predicting a Driver's State-of-Mind
10:40am – 11:00am Break
11:00am – 11:30am Gerald Sussman, Lalana Kagal: The Car Can Explain!
11:30am – 12:00pm Bill Freeman, Ruth Rosenholtz: Uncovering the Pain Points in Driving
12:00pm– 1:00pm  Lunch
1:00pm – 1:45pm  Brian Williams: Uhura-A Driver’s Personal Coach for Managing Risk / Automation for Everyone + Geordi-A Driver's Assistant for Risk-bounded Maneuvering
1:45pm – 1:50pm  Break
1:50pm – 2:20pm  Nick Roy, Boris Katz: Using Vision and Language to Read Minds
2:20pm – 2:50pm  Alberto Rodriguez: The Robotic Manipulation Data Engine
2:50pm – 3:00pm  Break
3:00pm – 3:30pm  Josh Tanenbaum: Analysis by Synthesis Revisited...
3:30pm – 4:00pm  Edward Adelson: Exploring the World of High Definition Touch + Inner Vision: Camera Based Proprioception for Soft Robots
4:00pm – 4:10pm  Break
4:10pm – 4:40pm  Armando Solar-Lezama: Formal Verification Meets Big Data Intelligence...
4:40pm – 5:00pm  Armando Solar-Lezama, Daniel Jackson: A Safety Interlock for Self-Driving Cars

Wednesday, September-19-2018
9:00am – 10:00am  Sertac Karaman, Daniela Rus: Parallel Autonomous Driving System + Decision Making for Parallel Autonomy in Clutter + Tools and Data to Revolutionize Driving
10:00am – 10:05am  Break
10:05am – 10:35am  Saman Amarasinghe, Fredo Durand: Drinking from the Visual Firehose...
10:35am – 11:05am  Fredo Durand: Simulation and Verification for Vision-in-the-Loop Control
11:05am – 11:15am  Break
11:15am – 11:45am  Jim Glass, Antonio Torralba: Crossing the Vision-Language Boundary
11:45am – 12:15pm  Justin Solomon: Sensible Deep Learning for 3D Data
12:15pm – 1:00pm  Lunch (Wrap-Up)