Quarterly Updates
Toyota-CSAIL Joint Research Center
December 5-6, 2019; Terman Conference Room 32-346

Thursday, December-5-2019

9:00am – 9:45am  Differentiable computer graphics for training and verification of machine perception (Pl: Fredo Durand)
TRI Liaisons: Soonho Kong, Kunimatsu Hashimoto

9:45am – 10:30am  Using Deep Learning to Speed Up Deep Learning (Pls: Saman Amarasinghe, Fredo Durand)
TRI Liaisons: Paul Drews

10:30am – 10:45am  Break

10:45am – 11:30am  The Car Can Explain! (Pls: Gerald Sussman, Lalana Kagal)
TRI Liaisons: Luke Fletcher, Paul Drews

11:30am – 12:15pm  Automation for Everyone (Pl: Brian Williams)
TRI Liaisons: Calder Phillips-Grafflin

12:15pm – 1:00pm  Lunch

1:00pm – 1:45pm  A Parallel Autonomy System: Data-Driven and Model-Based Parallel Autonomy with Robustness and Safety Guarantees (Pls: Daniela Rus, Sertac Karaman)
TRI Liaisons: Steve McGill, Guy Rosman

1:45pm – 2:30pm  Decision Making for Parallel Autonomy in Clutter: Addressing Intent, Interactions, Rules of the Road, and Safety (Pls: Daniela Rus, Sertac Karaman)
TRI Liaisons: Steve McGill, Guy Rosman

2:30pm – 2:40pm  Break

2:40pm – 3:20pm  Formal Verification Meets Big Data Intelligence to address the Trillion Miles Challenge (Pl: Armando Solar-Lezama)
TRI Liaisons: Soonho Kong, Jon DeCastro

3:20pm – 4:00pm  A Safety Interlock for Self-driving Cars (Pls: Daniel Jackson, Armando Solar-Lezama)
TRI Liaisons: Soonho Kong

4:00pm – 4:45pm  Machines that can Introspect (Pls: Nick Roy, Boris Katz)
TRI Liaisons: Guy Rosman

5:00pm – 5:30pm  Wrap-up meeting with Daniela Rus

Friday, December-6-2019

No meetings scheduled