



Last Updated: June 5, 2020

Quarterly Updates
 Toyota-CSAIL Joint Research Center
 June 24-25, 2020; ~~Terman Conference Room 32-346~~ Virtual Meeting

Wednesday, June-24-2020**Day 1**

- 9:00am – 9:40am *Formal Verification Meets Big Data Intelligence to Address the Trillion Miles Challenge* (PI: Armando Solar-Lezama)
 TRI Liaisons: Soonho Kong, Jon DeCastro
- 9:40am – 10:20am *A Safety Interlock for Self-driving Cars* (PIs: Daniel Jackson, Armando Solar-Lezama)
 TRI Liaisons: Soonho Kong
- 10:20am – 10:30am **Break**
- 10:30am – 11:10am *Differentiable Computer Graphics for Training and Verification of Machine Perception* (PI: Fredo Durand)
 TRI Liaisons: Soonho Kong, Kunimatsu Hashimoto
- 11:10am – 11:50am *Using Deep Learning to Speed Up Deep Learning* (PIs: Saman Amarasinghe, Fredo Durand)
 TRI Liaisons: Paul Drews
- 11:50am – 12:30pm **Lunch**
- 12:30pm – 1:10pm *Machines that can Introspect* (PIs: Nick Roy, Boris Katz)
 TRI Liaisons: Guy Rosman
- 1:10pm – 1:50pm *The Car Can Explain!* (PIs: Gerald Sussman, Lalana Kagal)
 TRI Liaisons: Luke Fletcher, Paul Drews
- 1:50pm – 2:00pm **Break**
- 2:00pm – 2:40pm *Automation for Everyone* (PI: Brian Williams)
 TRI Liaisons: Calder Phillips-Grafflin
- 2:40pm – 3:40pm *A Parallel Autonomy System: Data-Driven and Model-Based Parallel Autonomy with Robustness and Safety Guarantees* (PIs: Daniela Rus, Sertac Karaman)
 TRI Liaisons: Steve McGill, Guy Rosman
- Decision Making for Parallel Autonomy in Clutter: Addressing Intent, Interactions, Rules of the Road, and Safety* (PIs: Daniela Rus, Sertac Karaman)
 TRI Liaisons: Steve McGill, Guy Rosman
- 3:40pm – 4:00pm **Wrap-up meeting with Daniela Rus**

Thursday, June-25-2020**Day 2**

- 10:20am – 11:00am *A CAD Tool for Designing Superintelligent Human-Computer Groups* (PI: Thomas Malone)
 TRI Liaisons: Fran Bell