34th Southern California Control Workshop

Friday May 11, 2018, UC Riverside, Pentland Hills Foxhole, 8:30am–5:30pm

8:30 – 9:00 am	Registration and Breakfast	
9:05 – 9:30 am	Rajasekhar Anguluri (UCR; Pasqualetti)	Attack Detection in Stochastic Interconnected Systems: Centralized vs Decentralized Detectors
9:30 – 9:55 am	Seyed Mohammad Asghari (USC; Nayyar)	Distributed networked control systems with unreliable communication
9:55 – 10:20 am	Dr. Chin-Yao (UCSD; Martínez and Cortés)	Co-Optimization of Control and Actuator Selection for Cyber-Physical Systems
10:20 – 10:50 am	Break	
10:50 – 11:15 am	Navid Rezazadeh (UCI; Kia)	Privacy preservation in continuous-time average consensus algorithm via deterministic additive perturbation signals
11:15 – 11:40 am	Dongsheng Ding (USC; Jovanović)	A primal-dual algorithm for distributed resource allocation
11:40 – 12:05 pm	Tzanis Anevlavis (UCLA; Tabuada	Verifying rLTL formulas: now faster than ever before
12:05 – 12:30 pm	David Grimsman (UCSB; Marden)	The Value of Information in Distributed Submodular Maximization
12:30 – 2:00 pm	Lunch (Location: Pentland Hills BearCave)	
2:05 – 2:30 pm	Gianluca Bianchin (UCR; Pasqualetti)	A Network Framework for the Optimization of Intersections Signaling
2:30 – 2:55 pm	Huan Yu (UCSD; Krstić)	Traffic Congestion Control for Aw-Rascle-Zhang Model
2:55 – 3:20 pm	Yihang Zhang (USC; Ioannou)	Integrated Control of Highway Traffic Flow
3:20 – 3:45 pm	Arjun Muralidharan (UCSB; Mostofi)	Path Planning for Minimizing the Expected cost till Success
3:45 – 4:15 pm	Break	
4:15 – 4:40 pm	Zhe Wu (UCLA; Christofides)	Safe Economic Model Predictive Control of Nonlinear Systems
4:40 – 5:05 pm	Dr. Sameh Eisa (UCI; Taha)	Geometric Nonlinear Controllability Perspective of the Dynamic Soaring Flight Physics
5:05 – 5:30 pm	Elahe Aghapour (UCR; Farrell)	Risk-Averse Performance-Specified State Estimation