



## USF MINI-WORKSHOP ON CONTROL THEORY

0830 – 1700, CUTR, May 22, 2017

### AGENDA

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- 0830 – 0845 Opening Talk and Coffee (Tansel Yucelen)
- 0845 – 0915 Set-Theoretic Model Reference Adaptive Control for Enforcing User-Defined Time-Varying Performance Bounds (Ehsan Arabi)
- 0915 – 0945 Decentralized Adaptive Control Architecture for Large-Scale Active-Passive Modular Systems (Benjamin Gruenwald)
- 0945 – 1015 Stability Analysis of Switched Systems with Time-Varying Discontinuous Delays (Michael Malisoff)
- 1015 – 1030 Break
- 1030 – 1100 Distributed Kalman Filter and LQG Control Under Resource Constraints (Yasin Yilmaz)
- 1100 – 1130 Online Nonparametric Anomaly Detection in Large-Scale Systems (Yasin Yilmaz)
- 1130 – 1200 On Local Design and Execution of a Distributed Input and State Estimation Architecture for Heterogeneous Sensor Networks (Dzung Tran)
- 1200 – 1300 Lunch
- 1300 – 1330 Contention Resolving Optimal Priority Assignment for Event-Triggered Model Predictive Controllers (Michael Malisoff)
- 1330 – 1400 Event Triggered Active-Passive Dynamic Consensus Filters (Daniel Peterson)
- 1400 – 1430 Adaptive Control for a Class of Uncertain Nonlinear Dynamical Systems in the Presence of High-Order Actuator Dynamics (Benjamin Gruenwald)
- 1430 – 1445 Break and Coffee
- 1445 – 1515 Stability and Robustness Analysis for Multi-Species Chemostat Model with Uncertainties (Michael Malisoff)
- 1515 – 1545 Distributed Adaptive Control of Networked Multiagent Systems with Heterogeneous Actuator Dynamics (Merve Dogan)
- 1545 – 1600 Break
- 1600 – 1700 Social Time
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