

current projects

1. Adaptive Energy Management (Boeing)
2. Online distributed Optimization (ONR)
3. A Network-centric Formalism for Disturbance Rejection Design and Human-swarm Interaction (AFOSR)
4. Semi-autonomous networks (NSF)
5. [Predicting and Controlling Systems of Interdependent Networks: Exploiting Interdependence for Control](#) (ARO MURI)

past projects

1. Networked systems security: system-theoretic perspective (AFOSR)
2. Formation observers and estimators (JPL/NASA)
3. Robustness of networked systems via graph-theoretic methods (NSF)
4. Analysis of co-simulation (Boeing)
5. Multiple UAV Deconfliction (Boeing)
6. Distributed Space Systems (NSF)
7. Nonconvex Motion Planning (JPL/NASA)
8. Switching Control Laws for Spacecraft formations (JPL/NASA)
9. UAV Formations with Switching Information-exchange topologies (Boeing)
10. Hybrid Control for Supercavitating flight (ONR)
11. Distributed estimation (JPL/NASA)
12. Murdock Foundation