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Enabling Technologies

Real-Time Control/ Optimization

Stochastic Optimal Control

Distributed Computing

Autonomous Systems (AS)

Key Approach:
Optimization-Based
Control

Research Areas

Controlling Individual AS:

- Robotic Motion Planning
- Risk-Sensitive Decision-Making

Deploying AS:

- Autonomous Spacecraft/Space Robots
- Autonomous Transportation Networks

Controlling Networked AS:

- Task-Based Coordination of Robots
- Complexity Theory for Robotic Networks







