

Potential PhD-topics related to "Identification, Optimization and Control with Applications in Modern Technologies"

1. Optimization of trajectories in cooperating robot systems
2. Sensor data fusion for navigation of cooperating mobile robots
3. Formations of Mobile Robots Formed in Analogy to Heat Dissipation Approaches
4. Determination of optimal interplanetary trajectories for satellites including fly-bys and atmospheric arcs
5. Formation control and stabilization in networks of dynamical systems under limited communication
6. Optimum combinations of static and mobile sensor networks
7. Optimal adaptation of sensor networks to dynamic environments
8. Optimal adaptation and self-organization of groups of robots during obstacle avoidance