Damien Jourdan

Research Interests
Multi-objectives optimization, network planning, trajectory planning, UAVs, control.

Lab Affiliation
Laboratory of Information and Decision Systems (LIDS).
I have been working with Professor John Deyst in the MIT/Draper Technology Development Partnership for 3 years. My research is on designing a planner for the airborne deployment of a wireless communication and sensor network, using multi-objectives optimization. We previously worked on the Parent Child Unmanned Air Vehicle project (PCUAV), where I focused on the design and optimization of the vehicles trajectory for the mid-air rendezvous.

Class Project
Sensor network design for competing objectives: coverage, robustness and endurance.

Biography
2003–current: PhD candidate in Aero/Astro, working with John Desyt on a sensor network planner. MIT/Draper Technology Development Partnership

2000-2003: Master of Science in Aero/Astro, MIT
Thesis on the design and optimization of UAVs trajectories in order to perform a mid-air rendezvous. This work was part of the PCUAV project, funded by the Draper Lab.

1998-2000: Ecole Centrale Paris, France.