

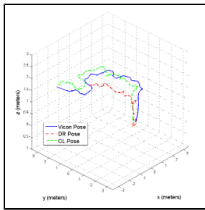
Resources

Multimedia

- [NPS LaTeX Thesis Portal](#).
 - Has the most up-to-date (and Thesis Processing Office-approved) templates, helpful [FAQs](#), and a place to report any issues
- Data sets
 - Robot logs
 - Camp Roberts
- Photo galleries

Software

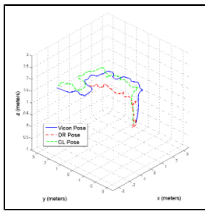
Cooperative Localization for Multi-UAV



Referenced in Davis' M.S. thesis, "*Applying Cooperative Localization to Swarm UAVs using an Extended Kalman Filter*"

- Robot Operating System source files (in Python) ([ROS_ARDrone_CL.zip](#))

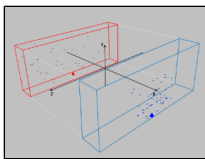
A Modular Framework for Swarm Search Simulation Modeling and Analysis



Referenced in Wanier's M.S. thesis, "*A Modular Framework for Assessing Swarm Search Models*"

- MATLAB files ([SwarmSearch_matlab.zip](#))
- Design of Experiment files ([SwarmSearch_DoE.zip](#))

Agent-based Simulation of Swarm Tactics



Referenced in Uwe Gaertner's M.S. thesis, "*UAV Swarm Tactics: An Agent-based Simulation and Markov Process Analysis*"

- Agent-based simulation model (implemented in MASON) ([UAVSwarm_source.jar](#))
 - Executable versions: [UAVSwarm.jar](#), [UAVSwarmGUI.jar](#)
- Central Composite Design experimental design matrix ([csv](#))
- Nearly-orthogonal Latin Hypercube experimental design matrix ([csv](#))

Other Software

- [Robot Operating System \(ROS\)](#) links
- SASIO Decision Support Tool
 - Camp Roberts - Multi-agent Teaming for Surveillance, Tracking, and Interdiction
 - Joint Expeditionary Force Experiment (JEFX10-3) - Joint Convoy Protection
- [Probabilistic quadrees](#) (collaboration with [Stefano Carpin](#))
- MATLAB scripts for fundamental search theory concepts
- SASIO Simulation Analysis Tool
 - [Teaming for Surveillance, Tracking, and Interdiction](#)
 - [Exhaustive Probabilistic Search](#)

Interesting Links

- [Robotics and Automation Magazine YouTube Channel](#)
- [Robotics Innovations Competition and Conference](#)