CRUSER (Consortium for Robotics and Unmanned Systems Education and Research) Faculty and Researchers' Publications

2016

Educational Manuals for Monterey Phoenix

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Monterey, California: Naval Postgraduate School

http://hdl.handle.net/10945/57053

MP Firebird
User Manual

Monterey Phoenix
Lab Manual
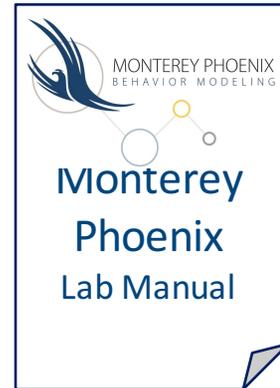
- This project will create documentation in the form of
  - a *Firebird User Manual* written with NPS students in mind, but also useful for the broader community of potential users
  - a *Monterey Phoenix Lab Manual* with educational content and learning opportunity assignments, similar to the one produced for CRUSER in FY14 that focused on the traditional architecture modeling languages and tools: (https://wiki.nps.edu/display/MP/Lab+Manual)
  - CRUSER collaborators working with robotics and unmanned systems technologies will have access to this user support documentation to enable them to use MP for their own analysis needs

- The objective of this project is to increase knowledge and skills of learners and educators concerned with the behavior of robotics and unmanned systems by writing 1) a lab manual for Monterey Phoenix behavior modeling and 2) a user manual for MP Firebird, NPS's new MP GUI that will be the tool used in the lab manual. Both manuals will have broad application in courses, design projects, theses, capstone projects and research projects, as well as utility to others in the CRUSER community involved with behavior modeling.

- FY15 is seeing a lot of students and collaborators being attracted to working with MP
- Current educational content for MP is rough to non-existent
- Delivery of MP content and capability is currently ad-hoc
- Insufficient documentation impedes MP adoption
  - Students want to be able to help themselves when they have questions
  - Instructors want to be comfortable enough with it to bring MP into their classrooms and student projects

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