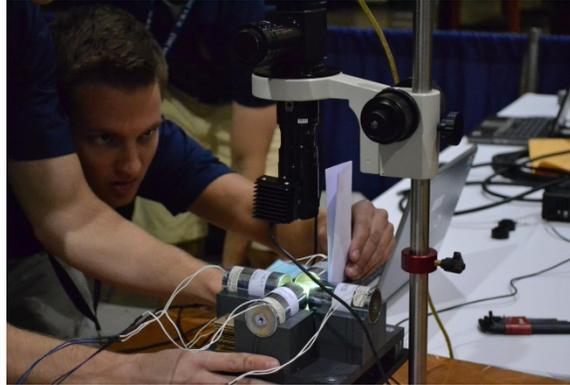
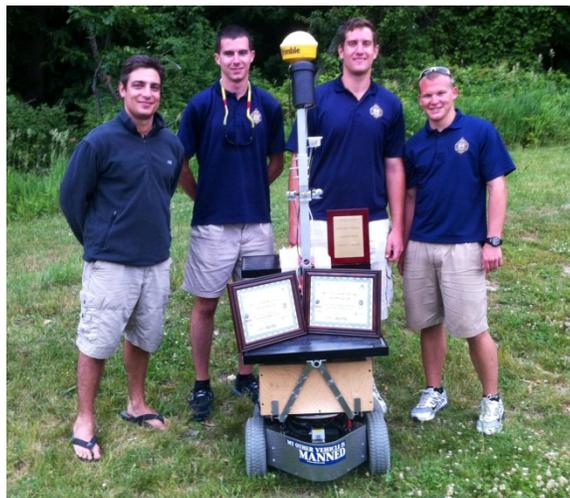


2012 USNA Competition Results

1. National Institute of Standards and Technology (NIST) Microrobotics Challenge *The USNA team, advised by Associate Professors Samara Firebaugh (ECE) and Jenelle Piepmeier (WSE) finished in 3rd place in the mobility challenge and 2nd place in the microassembly challenge portions of this competition, out of 9 schools. The competition was held as part of the International Conference on Robotics and Automation in Minneapolis, MN 14-18 May 2012. The USNA team consisted of MIDN 1/C Sean Johnson, 1/C Lou Henry, 1/C Matt Prevatt, and 1/C Andy Flora (EE) (all USNA '12). The project was funded by PEO IWS.*



2. Association of Unmanned Vehicle Systems International (AUVSI) Intelligent Ground Vehicle Competition (IGVC). *For the 4th straight year, Systems Engineering students traveled to AUVSI's Intelligent Ground Vehicle Competition, held in Rochester, MI on June 12. They placed 2nd of 52 teams in the Autonomous Navigation Event, traveling 1001 feet on the course, and took 3rd place Overall, winning \$2,500 in prize money. Now in its 20th year, the competition requires student teams to design autonomous vehicles to traverse an outdoor obstacle course. The robot is approximately the size of a wheel chair and uses sensors such as GPS, cameras, and laser range finders to navigate without human intervention. Its power system is supplemented by solar panels. This year's team, included ENS Adam Albrecht (USNA '12), 1/C Cory Oberst, 1/C Jason Case and ENS Nick Mehalic (USNA '11) (who wasn't available to travel to the competition). They are advised by Prof. Joel Esposito of Systems Engineering. Travel funds were provided by PEO IWS.*



3. AUVSI RoboBoat Competition. *This competition involves building an autonomous surface vehicle to perform a series of tasks. It is held in Virginia Beach VA 20-24 June 2012. The team is advised by Associate Professor Matthew Feemster and LCDR Kirk Volland, and consists of ENS' Gregory Hase, Trentt James, Matthew Minkoff, and William Queen, and interns MIDN 1/C Jackson and 2/C Hughes. The project was funded by PEO IWS.*



4. AUVSI RoboSub Competition. *This competition will take place 17-22 July 2012 in San Diego CA. It involves building an autonomous underwater vehicle to conduct underwater navigation and manipulation tasks. The team is advised by CAPT Jack Nicholson, who is taking a USNA team for the 6th straight year. Team members are ENS Chase Hansen, Jace Fincher, and Marianne Topp, as well as intern MIDN 1/C Robert Bruss. The project is funded by PEO IWS.*

