

1562: Perception Researcher:

Unmanned Systems Research and Development group. We are looking for people who like to focus on difficult real world problems and are motivated to see their work put to use, deployed and fielded.

We develop software and hardware for unmanned vehicles. We write the code that makes dumb robots smart. We work with a wide variety of robots, from small, man portable robots to robots that can run over cars. Our core need right now is for highly motivated, energetic individuals with a Ph.D. in Robotics or Computer Science. In all cases, excellent computer programming skills are necessary, along with a desire and aptitude for practical, applied work. Prior experience in working with field robots is strongly preferred.

Perception Researcher:

Deep familiarity with SLAM and visual navigation, using active and passive sensors is required. Ideally, you also have experience with terrain classification using active and passive sensors, including sensor fusion techniques to combine laser, stereo, and radar data.

General Requirements:

Ph.D. in Computer Science or Robotics.

7 or more years of industry R&D experience

A track record of writing winning proposals to DoD, DoT, DHS, DARPA, or NSF

US Citizenship or Permanent Residency Required.

Necessary Technical Skills:

Strong programming ability in C/C++ using the g++ toolchain. A high level of familiarity with Linux. Experience with software engineering tools (revision control, issue tracking systems). Familiarity with Python or another scripting language.