

The Materials Science Division of the Applied Research Laboratory is seeking a graduate student to study and develop new concepts in additive manufacturing of ceramic components as a Walker Graduate Assistant. There is a great interest in the ability to additively construct multi material structures as well as additively manufactured functionally graded ceramics. Students studying Engineering Science and Mechanics, and with backgrounds in Materials Science and Engineering, Mechanical Engineering, Aerospace Engineering, or Physics, are encouraged to apply. The successful candidate will work up to 20 hours/week during the fall and spring semesters and 40 hours/week over the summer. The candidate selected may be subject to a government security investigation. **You must be a U.S. citizen to apply.** Employment with the Applied Research Laboratory will require successful completion of a pre-employment drug screen.

ARL is committed to diversity, equity, and inclusion; we believe this is central to our success as a Department of Defense designated University Affiliated Research Center (UARC). We are at our best when we draw on the talents of all parts of society, and our greatest accomplishments are achieved when diverse perspectives are part of our workforce.

Walker Graduate Assistantship

The purpose of the ARL Walker Assistantship program is to support the education of outstanding future scientists and engineers who are pursuing research-based graduate degrees in a number of interdisciplinary areas aligned with the Applied Research Laboratory's (ARL) mission. The ARL Walker Graduate Assistantship is administered by the Applied Research Laboratory and is awarded to exemplary students pursuing Master of Science (MS) and/or Doctor of Philosophy (PhD) degrees in an engineering or engineering-related academic program. Since the Laboratory is a non-degree granting research unit of Penn State, every student has a primary academic home in one of the Colleges of the University, in this case, the Department of Engineering Science and Mechanics.

Candidates must be accepted into the Penn State Graduate School. Students who have been awarded the Assistantship are usually earning their MS and/or PhD degrees in an engineering-related graduate program within Penn State University from the College of Engineering, College of Earth and Mineral Sciences, Eberly College of Science, or School of Information Sciences and Technology. Successful candidates typically have an undergraduate GPA of 3.5 or above (out of 4.0) during their junior and senior years.

For more information please contact:

Jeremy Schreiber

jms5532@psu.edu