



Undergraduate or Graduate Research Intern

Applicant Requirements:

The Navy Technology Center for Safety and Survivability (Code 6180) has immediate need for a fire protection engineer (or similar degree) with a background in fire fighting, shipboard damage control, and experience with fire suppression foams. Preference will be given to veterans of the U.S. Navy, whether they were enlisted or officers. They need to be independent, self-motivated US citizens with pending completed, undergraduate or graduate degrees in fire protection engineering, chemical engineering, mechanical engineering, or a closely related field are invited to apply for a research position or to apply for student intern positions.

Particular areas of interests include, but are not limited to the following topics:

- Fire Suppression Foams
- Instrumentation Electronics and Programming
- Spray Characterization
- Multi-phase Flow Behavior

The Naval Research Laboratory is dedicated to advancing basic and applied research with emphasis on topics relevant to naval operations. The Combustion and Reaction Transport Section (Code 6185) is conducting fundamental and advanced research in combustion power, fire suppression, and oil spill remediation.

Ambitious candidates with experience in single and multi-phase (foam, spray, particulate, gaseous) flow, combustion phenomena and fire suppression, instrumentation development, data interpretation, laboratory and practical-scale experimental development are desired. Hands-on experience in a machine or welding shop, laboratory, and/or field setting with

working knowledge of digital data acquisition, basic electronics, prototype design and fabrication, and processing systems would be beneficial but not necessary. The applicant will work with an R&D team on a variety of programs, implement new experimental designs, coordinate laboratory personnel, and interface with the Department of Defense and other government and non-government entities to develop new avenues of research. State-of-the-art instrumentation and infrastructure are available.

Contact:

Dr. Steven Tuttle
Combustion and Reacting Transport, 6185
Navy Technology Center for Safety and Survivability,
6180
US Naval Research Laboratory
Washington, DC 20375
(202) 767-0810
Steven.Tuttle@nrl.navy.mil
www.nrl.navy.mil/chemistry/research/6180/6185