

**Combustion and Modeling
Code 6183**

Postdoctoral Opportunities

Postdoctoral positions exist in several areas including:

- Modeling of boundary layer diffusion flames on solid surfaces and their interaction with water droplets
 - A small experimental program directed toward model validation
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Areas of Interest:

- Water mist suppression of pool fires, flame, ignition mechanisms
 - Scaling relationships for large scale compartment fires
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Facilities:

- In house development
 - Commercial computational fluid dynamics codes, such a CFX
 - Computing facilities within the Combustion Modeling and Scaling Section include
 - Multi processor SGI workstation
 - A work station dedicated to data analysis and visualization
 - Sun and Beowulf clusters (available at NRL)
 - Super computers
 - Numerical programs are provided through an interagency high performance computing program
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The postdoctoral program at the Naval Research Laboratory is restricted to U.S. citizens. Initial appointments are for one year and are routinely renewable for a second year.

The applicant is responsible for selecting a research project and writing a research proposal in collaboration with a prospective advisor. The fellowship is administered through the National Research Council. Deadlines for application material are January 15 for the February review and April 15 for the June review.

For more information please contact:

**Combustion Modeling and Scaling Section
Code 6183 Navy Technology Center for Safety and Survivability**