

About Us:

The people of the China Lake Fire Science Lab (FSL) are the Navy's experts in shipboard aviation fire research, providing cutting edge operational, engineering and scientific solutions to thermal and fire problems facing the Warfighter. With diverse backgrounds and ample facilities, FSL is called upon for fire and thermal testing at all scales and technical readiness levels and is consulted for fire protection advice. FSL's recent work ranges from shipboard fire systems testing to weapons cooling and in situ burning of oil spills. FSL's test facilities allow both small-scale testing and full-scale jet fuel fire testing with full flight deck conflagration environmental conditions. With our expertise and unique facilities, we can tackle complex thermal and fire problems of virtually any size.

The position:

The candidate must have a solid fundamental background in the areas of heat transfer and fluid dynamics and be interested in working on a wide variety of thermal and reacting flow projects. Initially the candidate will be supported by ongoing fire science research projects. The candidate is expected to grow Fire Science's business base by any of the following means:

1. Successful funding of research proposals.
2. Identifying and communicating the need for fire and thermal research to program offices.
3. Searching for opportunities to assist customers in need of fire or high temperature testing.

Minimum Qualifications:

- Master degree in chemical, mechanical, fire protection, aerospace or related engineering field; PhD preferred.
- Experience writing high quality technical publications, which may include theses, technical reports, conference proceedings, and peer reviewed papers.
- Experience with proposal writing preferred.

Candidates with experience or interest in the following areas are encouraged to apply:

Thermal and/or fluid dynamics modeling and simulation

NFPA and/or MIL-SPEC codes

Firefighting hose, nozzle and vehicle testing and design

Thermal runaway and weapons cookoff

Li-ion battery thermal runaway

In situ oil spill burning

Burner design for large scale heating and extreme environment emulators

Composite ignition and burning

Gas phase fire retardants

Fire retardants for polymer materials

Analysis of firefighting effectiveness

Development and testing of environmentally benign firefighting agents

Candidate must be a US Citizen and must be able to obtain and maintain a security clearance.

Apply at:

https://www.dice.com/jobs/detail/01766f27148ed7e07beb23c8107ba255?src=32&CMPID=AG_IN_UP_JS_US_OG_RC_&utm_campaign=Advocacy_Ongoing&utm_medium=Aggregator&utm_source=indeed&rx_c=&rx_campaign=indeed60&rx_group=100953&rx_job=10124596%2F01766f27148ed7e07beb23c8107ba255&rx_source=Indeed