

Postdoctoral position at Florida State University

The Department of Scientific Computing and the Geophysical Fluid Dynamics Institute at Florida State University invite applications for a postdoctoral position. The start date will be no later than April 1, 2021. The candidate will be part of a team supported by the Strategic Environmental Research and Development Program at the Department of Defense.

The research will focus on computational methods to improve the understanding of near-field plumes in prescribed fire environments. The candidate will be responsible for:

1. Analyzing and interpreting historic data and data collected over the next two years.
2. Developing data-driven physics-based models to improve models for the near-field plume.

The candidate's expertise should include data analysis, data-driven PDE models, turbulent flows, and heat transfer. Additionally, they must be able to collaborate with a large interdisciplinary group of faculty, postdocs, students, and experimentalists.

The successful candidate will have a Ph.D. in Applied or Computational Mathematics, Computational Engineering, Scientific Computing, or a related field by the start of the appointment. The initial appointment will be for one year with a competitive salary and benefits. The contract may be extended for an additional year depending on performance and available funding.

To apply, submit a CV to Bryan Quaife, bquaife@fsu.edu, before January 31, 2021 to receive full consideration. Also supply contact information of up to three individuals who can provide a letter of recommendation.

The Department of Scientific Computing at Florida State University is an interdisciplinary department that applies computational tools to solve problems in mathematics, physics, engineering, and other scientific fields. The department has 12 faculty whose research spans fluid dynamics, population genetics, machine learning, scientific visualization, polymer physics, and more. The Geophysical Fluid Dynamics Institute is a collaborative research center at Florida State University that combines models, experiments, and computation to address geophysical flows, including fire dynamics.

Florida State University is an equal opportunity employer committed to a policy of nondiscrimination for any member of the University's community on the basis of race, creed, color, sex, religion, national origin, age, disability, genetic information, veterans' status, marital status, sexual orientation, gender identity, gender expression, or any other legally protected group status.

Any questions regarding the position should be emailed to Bryan Quaife, bquaife@fsu.edu