

Postdoctoral Position- Quantum-based Turbulence
Modeling
FAMU-FSU Joint College of Engineering

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Posted Oct. 29, 2024, set to expire Feb. 28, 2025

Job Title	Postdoctoral Position- Quantum-based Turbulence Modeling
Department	Mechanical Engineering
Institution	FAMU-FSU Joint College of Engineering Tallahassee, Florida
Date Posted	Oct. 29, 2024
Application Deadline	Open until filled
Position Start Date	January 2025
Job Categories	Post-Doc
Academic Field(s)	Mechanical Engineering Engineering Physics Aerospace/Aeronautical/Astronautics Engineering - Other

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Job Description

Postdoctoral Position – Quantum Computing Algorithms for Turbulent Flows

A postdoc position is available with a start date of the beginning of 2025 in the Computational and Theoretical Multiphysics Lab (<https://web1.eng.famu.fsu.edu/~kshoele/CTML>) in the Department of Mechanical Engineering at the FAMU-FSU joint College of Engineering related to use of **stochastic homogenization and quantum computing approaches to simulate turbulent flows.**

The following skills/certifications/interests are relevant to the position:

- Interest in turbulent flows and quantum computing
- A PhD degree in engineering (especially mechanical and aero) or related fields (applied

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mathematics, physics, computational physics).

- Relevant previous research experience in turbulent flows and large eddy simulation. Desirable research skills include quantum computing, programming skills and stochastic analysis.
- Strong oral and written communication skills.
- Track record of publications and scientific outputs and the ability to work independently.

This is a multi-year appointment, with yearly renewal depending on performance. To apply, please submit the following to Dr. Kourosh Shoele (*kshoele-at-fsu-dot-edu*):

1. A short cover letter describing your relevant experience, interests, and availability to start.
2. A resume that includes a list of education, publications, and work experience.
3. A list of two to three references.

Please include the phrase “**PostDoc-Quantum**” in the subject line of the email.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Kourosh Shoele
Mechanical Engineering
FAMU-FSU College of Engineering
2003 Levy Avenue
Tallahassee, FL 32310