

Postdoctoral Position - Multiphase Cryogenic Flows
FAMU-FSU Joint College of Engineering

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

Job Title	Postdoctoral Position - Multiphase Cryogenic Flows
Department	Mechanical Engineering https://web1.eng.famu.fsu.edu/~kshoele/CTML
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 Energy Technology Chemical/Petroleum Aerospace/Aeronautical/Astronautics Engineering - Other

Apply By Email

Job Description

Postdoctoral Position – Multiphase Fluid Dynamics in Cryogenic 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 with the collaboration with SLAC national lab for studying **boiling phenomena and fluid dynamics of cryogenic fluids and boiling-induced noises**.

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

- Interest in high-performance computing, fluid dynamics and multiphase flows
- A PhD degree in engineering (especially mechanical and aero) or related fields of mathematics and computational physics.
- Relevant previous research experience in multiphase flow simulations. Desirable research skills include C++ and Fortran programming skills, AMR method, and acoustic analysis.
- Strong oral and written communication skills.
- Track record of publications 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.
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-Multiphase**” 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