

Multiple PhD Positions  
FAMU-FSU Joint College of Engineering

Direct Link: <https://www.AcademicKeys.com/r?job=251855>

Downloaded On: Jan. 21, 2025 5:54am

Posted Jan. 19, 2025, set to expire May 21, 2025

<b>Job Title</b>	Multiple PhD Positions
<b>Department</b>	Mechanical Engineering <a href="https://eng.famu.fsu.edu/">https://eng.famu.fsu.edu/</a>
<b>Institution</b>	FAMU-FSU Joint College of Engineering Tallahassee, Florida
<b>Date Posted</b>	Jan. 19, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Mechanical Engineering Engineering Physics Engineering Mechanics Aerospace/Aeronautical/Astronautics
<b>Job Website</b>	<a href="https://web1.eng.famu.fsu.edu/~kshoele/CTML/">https://web1.eng.famu.fsu.edu/~kshoele/CTML/</a>
<b>Apply By Email</b>	<a href="mailto:kshoele@eng.famu.fsu.edu">kshoele@eng.famu.fsu.edu</a>
<b>Job Description</b>	

**PhD Positions in Computational Fluid Dynamics and  
Multiphysics Simulation**

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### FAMU-FSU Joint College of Engineering - Department of Mechanical Engineering

The Department of Mechanical Engineering at the FAMU-FSU Joint College of Engineering is seeking exceptional PhD candidates to join the **Computational Theoretical and Multiphysics Laboratory (CTML)**. We invite highly motivated individuals interested in advancing cutting-edge research in computational fluid dynamics and multiphysics simulation.

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#### Research Areas

The available PhD positions focus on the following topics:

- **Computational Fluid Dynamics and Fluid-Structure Interaction (FSI)**
  - **Quantum-Based Approaches for Turbulence Modeling (QTM)**
  - **High-Performance Multiphase Flow Simulations (MFS)**
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#### Qualifications

Candidates should meet the following criteria:

- MS/BS in Engineering (Mechanical, Aerospace, Civil) or related fields (Applied Mathematics, Physics)
- Strong academic record
- Interest and experience with programming
- Excellent written and verbal communication skills

#### Preferred Skills:

- Experience with Computational Fluid Dynamics (CFD)
  - Knowledge of numerical methods and high-performance computing
  - Background in one of the listed research areas
  - Previous research or relevant project experience
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#### What We Offer

- Competitive stipend and full research assistantship

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- Access to state-of-the-art computing facilities
  - Collaborative opportunities with national laboratories
  - Training in advanced computational methods
- 

### Start Date

- Fall 2025 (Earlier start dates are available)
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### How to Apply

To apply, please email the following documents to [kshoele@eng.famu.fsu.edu](mailto:kshoele@eng.famu.fsu.edu) with the subject line "**PhD-Application-2025**":

1. A one-page cover letter briefly describing your research interests and background
2. Complete CV
3. Unofficial transcripts
4. Names and contact information of three references

The review of applications will begin immediately and continue until the positions are filled.

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### About Us

The FAMU-FSU Joint College of Engineering provides a unique and diverse research environment, offering access to state-of-the-art facilities and fostering collaboration with national research labs. The **CTML** focuses on advanced computational approaches to solve complex problems in fluid dynamics and multiphysics simulations.

### Contact Information

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

**Contact**     Kourosh Shoele  
                     Mechanical Engineering

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