

Postdoctoral Researcher in Quantum Scientific Computing
FAMU-FSU College of Engineering

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Posted Feb. 3, 2024, set to expire Jun. 4, 2024

Job Title	Postdoctoral Researcher in Quantum Scientific Computing
Department	Mechanical Engineering
Institution	FAMU-FSU College of Engineering Tallahassee, Florida
Date Posted	Feb. 3, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Mathematics/Applied Mathematics
Apply By Email	sde@eng.famu.fsu.edu

Job Description

We are seeking a highly motivated and enthusiastic researcher to fill a Postdoctoral Researcher position in Quantum Scientific Computing at the Florida A&M University-Florida State University College of Engineering (FAMU-FSU COE) in Tallahassee, Florida. This exciting opportunity is directed towards highly motivated and enthusiastic researchers who are eager to contribute to cutting-edge projects in the realm of quantum computing and its applications in scientific problems. Specifically, the successful candidate will be responsible for developing and implementing numerical algorithms to solve partial differential equations on gate-based quantum computers.

Responsibilities:

- Develop innovative computational techniques leveraging emerging quantum computing paradigms.
- Work on interdisciplinary projects focusing on the application of quantum computing in scientific computing domains.

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- Engage in the development and implementation of algorithms and models for quantum computing platforms.
- Analyze, interpret, and present research findings through high-impact publications and conferences.
- Collaborate with a diverse team of researchers and guide graduate and undergraduate students.

Requirements:

- PhD in Applied Mathematics, Computational Physics, Mechanical Engineering, or related fields.
- Demonstrated expertise in computational linear algebra, scientific computing, and computational methods.
- Deep knowledge of iterative solvers, and experience with Krylov subspace techniques.
- Proficiency in programming languages such as C++ and Python.
- Understanding of quantum mechanics, and familiarity with the current quantum computing platforms is a plus.
- Excellent analytical, organizational, and communication skills.
- Commitment to collaborative research and independent problem-solving.

Application Process:

Interested candidates should submit a cover letter, CV, and the contact information for three references to sde@eng.famu.fsu.edu. Review of applications will begin immediately and continue until the position is filled.

EEO/AA Policy

We are an equal opportunity employer committed to fostering a diverse and inclusive academic community. We offer a competitive salary and benefits package, and our dynamic environment is ideal for developing a promising research career.

Contact Information

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

Contact Suvranu De
FAMU-FSU College of Engineering
Tallahassee, FL 32311

Contact E-mail sde@eng.famu.fsu.edu