NATIONAL MAGLAB

Florida State University
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Postdoctoral Positions in Quantum Information Science at Florida State University

Our Cryogenics Lab, located at Florida State University, FAMU-FSU College of Engineering in Tallahassee, Florida, in association with the National High Magnetic Field Laboratory, is seeking motivated experimental postdoctoral researchers to join our group for cutting-edge research in quantum information science.

We currently have two openings:

1) **Qubit R&D**: Focused on developing and advancing a novel charge qubit platform using electrons trapped on solid neon.
2) **Quantum Sensor Development**: Focused on designing and optimizing quantum interference sensors based on He II Josephson junction devices.

Our lab is equipped with state-of-the-art experimental facilities, including dilution refrigerators, microwave electronics, ultrafast laser systems, and access to a shared nanofabrication facility. These advanced resources support our cutting-edge research in quantum information science (QIS). The newly established QIS research program provides a stimulating and collaborative environment to tackle some of the most challenging problems at the forefront of the field, with a focus on quantum fluids and solid-state systems.

Applicants with a background in quantum fluids, cryogenics, or microwave electronics are preferred. In particular, candidates with experience in experimental techniques related to quantum information science are strongly encouraged to apply.

We welcome highly motivated individuals to join our dynamic team and contribute to our ongoing research efforts. If you are passionate about quantum information science and eager to explore innovative experimental techniques, please contact Dr. Wei Guo via email for more details.

Contact:
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