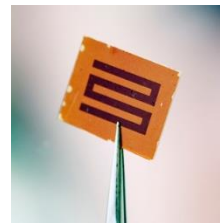




JOB ANNOUNCEMENT

Graduate Student Research Assistant (RA) Positions

The Frontier Institute for Research in Sensor Technologies (FIRST) at the University of Maine has multiple openings for Research Assistant (RA) positions in the High Temperature/Harsh Environment (HT/HE) Sensors research team. Qualified candidates will work closely with multidisciplinary teams of scientists, engineers, and technicians to perform state-of-the-art research on materials, sensors, and sensor systems that function in extreme environments.



Multiple Research Areas of Interest

- Electronic components characterization and circuit design methods at HT/HE
- Device fabrication using photolithography and clean room techniques
- Thin and thick film/coating synthesis for HT/HE sensor applications using PVD, MBE, sol-gel, Langmuir Blodgett, and CVD methods
- Materials characterization methods (XPS, XRD, SEM, FTIR, Raman, mass spectroscopy)
- HT/HE wireless sensor system design, fabrication and testing (from low frequency to radio frequency)

Qualifications: Acceptance in one of the following programs:

- Interdisciplinary (IPhD) program with a focus in materials science and engineering
- Electrical Engineering, Mechanical Engineering, Physics, Chemistry, Chemical Engineering, or related disciplines

Compensation

- \$30,000 stipend with paid tuition and partial support for health insurance

To Apply:

- Email a letter of interest and resume to luke.doucette@maine.edu

*****Positions are contingent upon funding and open until filled*****