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***

The University of Maine is an equal opportunity/affirmative action institution