NATIONAL HIGH MAGNETIC FIELD LABORATORY

Florida State University
1800 East Paul Dirac Drive
Tallahassee, Florida 32310
nationalmaglab.org

Research Faculty in Protection Electronics

The National High Magnetic Field Laboratory seeks a strong candidate for a position as Research Faculty I to develop, operate, and maintain electronic systems as part of the program to develop ultra-high field magnets, primarily those using high temperature superconductors. A primary responsibility will be development of systems (including both hardware and software) to detect quench of superconducting magnets and discharge the stored energy of those magnets (up to 50 MJ) quickly, safely, and in a reliable and cost-effective manner. Other responsibilities include writing of internal reports and journal articles. The successful candidate will be expected to manage multiple tasks and projects in parallel to successful completion within technical, budgetary, and schedule constraints and participate in proposal development. Some travel my be required.

Requirement includes a Ph.D. in engineering, physics, or a related field, or equivalent qualification based on professional experience and demonstrated record of achievement in research. We are seeking a candidate who is highly motivated and eager to work flexibly and creatively in a multi-disciplinary team environment developing a deep understanding of new technologies and specific magnets. Good skills in electronics are required. Good communication skills and the ability to interact constructively with physicists, engineers, designers, technicians, and procurement personnel are required. Candidates should have at least two years of previous experience in instrumentation electronics. A strong background in the fields of cryogenics, superconducting materials, magnets and their design, especially HTS magnets is preferred.

Interested candidates should apply to Florida State University (FSU) at www.jobs.fsu.edu and reference Job ID #44366. For additional information, please contact Ms. Bettina Roberson, National High Magnetic Field Laboratory, Florida State University, 1800 E. Paul Dirac Drive, Tallahassee, FL 32310-2740, roberson@magnet.fsu.edu. The NHMFL is operated for the National Science Foundation by a collaboration of institutions comprising Florida State University, the University of Florida, and Los Alamos National Laboratory. FSU is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer. FSU's Equal Opportunity Statement can be viewed at: http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf. Position currently closes January 2, 2019.