

NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NC
NUCLEAR ENGINEERING TENURE-TRACK FACULTY POSITION IN PLASMA
SCIENCE AND ENGINEERING

The Department of Nuclear Engineering at North Carolina State University (NCSU) in Raleigh, North Carolina, is seeking a qualified individual in the plasma science and engineering for a Tenure Track faculty position at the Assistant/Associate Professor level. Applicants must have earned a doctorate in nuclear engineering or a closely related field. Applicants are expected to have a strong commitment to high-quality under-graduate and graduate teaching, as well as a demonstrated excellence in research. Applicants are specifically desired with expertise in plasma science and engineering, however, candidates in other nuclear areas may also be considered.

The department of Nuclear Engineering at NC State University is a multidisciplinary field engaged in the development, design, deployment and analysis of methods and devices that utilize fundamental nuclear processes. Research thrust areas are fission reactor engineering, radiation detection and applications, plasma and fusion science and engineering, nuclear materials and nuclear computational science.

The Department of Nuclear Engineering occupies 38,000 square feet in Burlington Engineering Laboratories, including the PULSTAR reactor and its associated labs and facilities. The department houses one research center, the Center for Engineering Applications of Radioisotopes (CEAR). The department plays leading roles and faculty participate in the research activities of the NNSA-funded Consortium for Nonproliferation Enabling Capabilities (CNEC) and the DOE-funded Consortium for Advanced Simulation of Light Water Reactors (CASL). The department is a member of the Multi-University team of the NSF Industry University Cooperative Research Center for Lasers and Plasmas in Advanced Manufacturing.

The new position entails teaching undergraduate and graduate courses in nuclear engineering, and conducting externally funded research at NCSU with the objective of building and leading a world class research team. The selected candidate is expected to also teach plasma and fusion courses as well as developing new graduate-level courses based on his or her research expertise. Preference will be given to candidates who demonstrate a high potential for developing a successful research and teaching program. The candidate is expected to conduct research in cross-cutting areas including, but not limited to, the broad applications of plasma sciences, energy, nanotechnology, plasma-materials synthesis, instrumentation and measurements, surface modifications and functionalization, and other related areas.

Interested candidates should send a letter of application, a brief statement of teaching philosophy and research interests, a curriculum vita, copies of up to three substantive publications or technical reports, and names and addresses of three references to the Search Committee Chair, Prof. Mohamed Bourham, North Carolina State University, Department of Nuclear Engineering, Box 7909, Raleigh, NC 27695-7909 Phone: 919-515-7662; E-mail: bourham@ncsu.edu; Fax: 919-515-5115. Review of applications will begin immediately and will continue until the position is filled.

North Carolina State University encourages applications from women and minority group members. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.