

**Postdoctoral Research Associate
Department of Nuclear, Plasma, and Radiological Engineering
University of Illinois at Urbana-Champaign**

Qualified candidates are sought for a Postdoctoral Research Associate position in Dr. Caleb Brooks' Research Group in the Department of Nuclear, Plasma, and Radiological Engineering at the University of Illinois. Dr. Brooks' research is in nuclear thermal hydraulics, and his group specializes in thermo-fluid dynamics of nuclear systems and reactor flows. This focus includes system-level and subsystem-related research on current and advanced reactor technologies. As director of the Multiphase Thermo-fluid Dynamics Laboratory (MTDL) at UIUC, Dr. Brooks and his research group study important heat transfer and fluid flow behavior such as flow instability, critical heat flux, two-phase transport, natural circulation, and other critical phenomena to nuclear reactor safety. The high-fidelity data generated in the MTDL are used for system-code and computational fluid dynamics (CFD) code validation, as well as development of improved physical modeling. A successful candidate would assist in the continuation of these research efforts as well as emerging opportunities related to micro-reactors.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EEO>.

Required qualifications include:

- A Ph.D. in Nuclear Engineering or related field (ABD applicants may apply and confirmation of your completed degree requirements must be provided on or before the start date). Per University policy, eligible candidates must have obtained their Ph.D. degree within 10 years of the start date of the position.
- Knowledge of thermal hydraulics and safety of nuclear reactor systems.
- The ability to communicate effectively, both verbally and via technical writing.
- The ability to work independently, in a group setting, and possibly to mentor undergraduate and junior graduate students.

The Postdoctoral Research Associate is a full-time, benefits-eligible position appointed on a 12-month service basis. The initial appointment is for one year with the possibility of extension based on performance and funding.

This position is available immediately, but the start date is negotiable. Salary will be commensurate with experience and qualifications.

To apply for this position, please submit a cover letter, curriculum vitae, and names/contact information for three references to Dr. Caleb Brooks at csbrooks@illinois.edu. Please include "Postdoctoral Research Associate" in the subject line of the email. Full consideration will be given to complete applications received until the position is filled.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.