

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

We are seeking a postdoctoral research associate who will work on a molten salt experiment designed to investigate fission gas behavior in FLiNaK for MSR designs. The ideal candidate will bring superior experimental capability with molten salts, knowledge of molten salt chemistry, and knowledge of MSR designs. It is expected the PDRA will be a nuclear engineer with a strong experimental background, but candidates in related fields will be considered.

The ideal candidate will possess the following required skills and qualifications:

- Doctoral degree in nuclear engineering or a related field.
- Strong experimental background working with molten salts for MSR designs.
- Knowledge of molten salt chemistry, especially FLiNaK or FLiBe.
- Experience in the construction and operation molten salt experimental loops.
- Experience with high vacuum equipment, residual gas analysis, gas handling.

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. The anticipated start date is October 1, 2018. The closing date to apply for this position is August 15, 2018, although applications received after this date may be considered. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. Salary is commensurate with experience and qualifications.

To apply for this position, please submit a cover letter, curriculum vitae, and contact information for three professional references by August 15, 2018 to Prof. Brent J. Heuser at [bheuser@illinois.edu](mailto:bheuser@illinois.edu). Full consideration will be given to complete applications received by the closing date of August 15, 2018.

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

*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>. To learn more about the University's commitment to diversity, please visit <http://www.inclusiveillinois.illinois.edu>*