

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

We are seeking a postdoctoral research associate who will work with radiation detector data, associated statistical methods, and big data analytics. Additional duties may include working on projects that integrate radiation data in 3D models of building facilities and city blocks. The ideal candidate will bring a combination of skills in nuclear radiation detection methods and associated algorithms, and computer science know-how to support a variety of funded projects.

The ideal candidate will possess the following:

Required Skills and Qualifications

- Doctoral degree in nuclear engineering, radiological sciences, or a related field
- Experience in working with radiation detection methods
- Superior capabilities in statistical analyses
- Experience in working with Bayesian statistics and other methods used in radiation detection algorithms
- High degree of skill in Java, Python, C#, or R/SAS

Desired Skills and Qualifications

- Experience with geospatial information systems (GIS)
- Experience with cloud computing (AWS)
- Machine learning
- Data mining and data fusion
- Proficient in handling both structured and unstructured databases
- Experience working with very large open-source data sets

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 availability. The anticipated start date is August 2018, but is negotiable. 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 names and email addresses of three references by June 20, 2018 to Prof. Rizwan Uddin at rizwan@illinois.edu. Full consideration will be given to complete applications received by the closing date.

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>