

## **Postdoctoral Research Associate**

Tokamak and Stellarator Operation and Liquid Lithium/Metals as well as Chemistry and High-Power Impulse Magnetron Sputtering  
University of Illinois Urbana-Champaign

The Center for Plasma Material Interactions (CPMI) at the University of Illinois Urbana-Champaign is looking to fill positions at the post-doctoral research associate level, who will work on research areas relevant to plasma material interactions for several applications. The Center for Plasma-Material Interactions currently has 4 faculty, 1 Post Doc, 22 graduate students, and over 25 undergraduate researchers. The primary emphasis is experimental and computational study of plasma relating to nuclear fusion (plasma material interactions, liquid metal technology, edge plasma, diagnostics) and manufacturing of semiconductor devices (plasma-based lithography, plasma etching, PVD sputtering, PECVD thin-films). In particular, we are looking for expertise in the field of **Tokamak and Stellarator Operation and Liquid Lithium/Metals as well as Chemistry and High-Power Impulse Magnetron Sputtering (HiPIMS)**. The hired post-docs are expected to closely work with Research Associate Prof. Daniel Andruczyk and Prof. David Ruzic in managing research activities in the lab and conducting experiments while assisting students with research.

To apply for this position please send a cover letter, CV/resume, and contact information for 3 references to Prof. *Daniel Andruczyk* at [andruczy@illinois.edu](mailto:andruczy@illinois.edu). The Postdoctoral Research Associate is a full-time, benefits-eligible position appointed on a 12-month service basis.

**Salary:** \$50,000 to \$55,000 (or competitive and commensurate with experience).

**Start date:** Fall 2023 or sooner if possible.

**Expected duration of the position:** 1-2 years.

More information about the Center for Plasma Material Interactions can be obtained from <http://cpmi.illinois.edu>, the Department of Nuclear, Plasma and Radiological Engineering from <http://npri.illinois.edu> and the University of Illinois information, please visit <http://illinois.edu>.