

Post-doctoral Research Associate

The Department of Geology, University of Illinois at Urbana-Champaign, seeks a post-doctoral research associate to participate in synchrotron radiation studies on materials under high pressure and high temperature conditions. The position will be located at sectors 3 and 30 of the Advanced Photon Source, which offer unique scientific opportunities related to investigations of minerals and alloys under extreme conditions using high-resolution inelastic x-ray and nuclear resonant scattering. Experience with synchrotron radiation techniques is required. Experience with diamond anvil high-pressure cells and laser-heating techniques is desirable, as is a basic knowledge of inelastic neutron scattering, inelastic x-ray scattering, or nuclear resonant scattering. The position will involve the design and testing of high-pressure and high-temperature instrumentation, interacting with beam line users in the planning and execution of their experiments, the analysis and publication of results, and organizing community information/outreach activities. The position presents an opportunity to contribute to the prominent and unique inelastic x-ray and nuclear resonant scattering program of the Advanced Photon Source by developing techniques that are of particular interest for the high-pressure and Earth-science community. The position is available immediately and will remain open until a suitable applicant is identified.

For additional information contact either Dr. Wolfgang Sturhahn, (630) 252-0163, sturhahn@anl.gov or Dr. Jay Bass, (217) 333-1018, jaybass@uiuc.edu. Applicants should send a CV, a statement of experience and research interests, list of publications, and arrange to have three letters of recommendation sent to Dr. Jay Bass, Department of Geology, University of Illinois, 1301 W Green St., Urbana, IL 61801 USA. The University of Illinois is an Affirmative Action/Equal Opportunity employer. Women, minorities, and other designated classes are encouraged to apply.