

## **Postdoctoral Researcher Position in Computational Materials Physics**

A postdoctoral position is available as of October 1, 2015 in the area of materials simulation at Arkansas State University. The associate will work with Dr. Koushik Biswas.

Candidates with strong background and experience in electronic structure methods (DFT, TDDFT, GW and/or BSE approaches) as well as programming experience are encouraged to apply. The work will involve the study of complex halides, hybrid halides, oxides, and chalcogenides. These materials have generated interest in radiation detection devices as semiconductors or scintillators and also in photovoltaics. Interest in a variety of materials and experience in bulk, nano-structures and surfaces/interfaces is therefore strongly desired. Experience with point defects will be advantageous.

A PhD in Physics or closely related field is required. Experience with first-principles calculations, strong background in condensed matter physics, programming and knowledge of high performance computing (compilers, libraries, hardware) will be necessary. Good oral and written communication skill is also necessary.

Interested applicants should attach the following: (1) one-page cover letter addressing the candidate's experiences specific to position requirements, and (2) a complete CV with publication and presentation details and the names and contact information of three references.

For application please follow: <https://jobs.astate.edu> and search for Position Number P00320.

For enquiries email: [kbiswas@astate.edu](mailto:kbiswas@astate.edu)

**Consideration of applications will start immediately.**