

Ph.D and Postdoctoral Associate positions available at Rice University

Ph.D and postdoctoral associate positions are available at Rice University in the broad area of atomistic, molecular and multiscale modeling of cement-based materials. The projects include carrying out bottom-up atomistic and microtexture predictive simulations. Computational techniques will be integrated to approaches from statistical mechanics and physical chemistry to provide quantitative predictions of properties of cementitious materials across different time- and length-scales. The research will be carried out at Rice University's Laboratory for Multiscale Materials Modeling.

For the post-doctoral position, a Ph.D. in materials science, chemistry, physics, engineering or a related field is required. The candidate should have well-developed computational skills, a strong background and interest in materials modeling and simulation, preferably experience in the areas of *ab-initio* calculations, molecular dynamics and Monte-Carlo atomistic simulations. Good written and spoken communication skills are expected.

To apply, please send a CV, several representative publications, and contact information of three references to rouzbeh@rice.edu. Evaluation of candidates will begin immediately and will continue until the position is filled. For any questions, please contact Dr. Rouzbeh Shahsavari:

Contact information:

Rouzbeh Shahsavari, Ph.D.
Assistant Professor
Principal Investigator, Laboratory for Multiscale Materials Modeling
Department of Civil and Environmental Engineering
Rice University, Houston, TX.

Email: rouzbeh@rice.edu

Phone: 617-872-6507