

Post-Doctoral Opening Molecular and Multiscale Modeling of Materials

**Strachan Group
School of Materials Engineering and Birck Nanotechnology Center
Purdue University**

We are seeking to hire outstanding candidates for a post-doctoral research position in the Strachan group at Purdue University to work on large-scale molecular dynamics of coarse grain simulations of materials. The project involves developing and applying new methods for coarse grain simulations that enable the description of chemical reactions. Successful candidates will work in the Strachan group in Purdue's School of Materials Engineering and Discovery Park and will have the opportunity to interact with a wide range of experimentalists and theoreticians in academia, industry and national labs.

Qualifications. Candidates should have earned a doctorate in Materials Science and Engineering, Physics, Chemistry or in a related field. The successful candidate will have a strong background in molecular modeling of materials or solid-state physics. Programming expertise and experience with high performance computing are desirable.

Application process. Applicants must provide a detailed resume including education, experience and qualifications; they should also include the names of three potential references. Applications from women and minorities are strongly encouraged. Applicants should submit the application materials electronically to: Prof. Alejandro Strachan, School of Materials Engineering, Email: strachan@purdue.edu. Evaluation of candidates will begin immediately, and will continue until the position is filled.

Purdue University is an Equal Access/Equal Opportunity/Affirmative Action Employer.