



Postdoctoral position available at Brown University

Machine-learning acceleration of atomistic calculations
with applications to the electrified solid—liquid interface

A postdoctoral position is available in the laboratory of Andrew Peterson at Brown University. This project will focus on the reactions of significance to the solid-liquid interface, including applications in electrocatalysis, and use and develop advanced machine-learning tools to enable the accelerated application of molecular dynamics sampling techniques.

Desired skills include a background in atomistic modeling and open-source software. Strong communications skills are a must, as is the ability to work on a diverse team, as the hired candidate will help to manage research efforts between Brown, MIT, Carnegie Mellon, and Georgia Tech (the participating institutions in the project). The postdoc optionally may spend up to 2 days per week located in the group of Professor Adam Willard at MIT.

The position will be located in the Catalyst Design Lab, which combines theoretical calculations with laboratory-based testing to understand reactions at materials interfaces, related to catalysis and electrochemical energy storage. To express interest, send CV and statement of interest to andrew_peterson@brown.edu.

Brown University is an Ivy League institution located in Providence, Rhode Island, a metropolitan area of 1.6 million people located within a one-hour train ride of Boston and a three-hour train ride of New York City.

Andrew Peterson
School of Engineering, Brown University,
Providence, RI, USA
Catalyst Design Lab
<http://brown.edu/go/catalyst>

Catalyst
DESIGN LAB

