



University at Buffalo

The State University of New York

Assistant Professor Multiscale Modeling

The University at Buffalo (SUNY) seeks a tenure-track assistant professor in the broad area of multiscale modeling of the production, assembly, and properties of engineered nanoscale materials, structures, or devices. Appointment at higher rank is possible in exceptional cases.

Example research areas of interest include, but are not limited to: modeling energy transport in materials and devices for thermoelectric, photovoltaic, and photocatalytic applications; modeling of nanoscale devices in the regime of strong quantum effects; coarse-graining or multi-scale modeling strategies that link quantum chemistry and atomistic molecular simulations to the nano, micro, and macro scales; and simulation of the transport of natural and human-made nanostructures in biological environments. This position is associated with the UB2020 Strategic Strength in Integrated Nanostructured Systems (www.nano.buffalo.edu), one of eight areas of scholarly activity identified for strategic investment at UB.

The home department of the successful candidate will be determined by mutual agreement at the time of hiring, and could be Chemical and Biological Engineering, Mechanical and Aerospace Engineering, or Electrical Engineering. Applicants should submit a curriculum vita, statements of teaching and research plans, and names of three references via the UBJobs system, at www.ubjobs.buffalo.edu, referencing posting number **0900080**.

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Opportunity/Affirmative Action
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