



Department of Materials Design and Innovation Faculty Openings

The newly formed Department of Materials Design and Innovation Department (MDI) at the University at Buffalo - State University of New York (UB) is seeking applications and nominations for multiple positions that include junior and senior tenure track faculty (Assistant, Associate or Full Professor positions). The new department will train future materials scientists and engineers, with an emphasis on the use of advanced computational tools for modeling, simulation, informatics and automation in conjunction with experimental driven science, with the aim to significantly accelerate the pace of materials discovery and engineering design. The MDI department is being structured from its inception as one that will also introduce transformative approaches to teaching and learning. It will educate highly adaptable individuals with expertise in materials science and engineering, strong skills in the field of data science coupled to training in the integration of experimental and computational methods in materials science. The portfolio of the MDI department will include fields such as biotechnology and medicine, advanced manufacturing, nanotechnology, energy and environmental sciences. Plans call for establishing a master's and PhD degree program initially, with an undergraduate program to be added later.

We seek highly qualified applicants from all fields of science and engineering who can develop and participate in highly interdisciplinary and innovative research and teaching programs which incorporate a data-intensive perspective of materials science. These include but are not limited to the study of synthesis, processing, characterization, manufacturing design and materials theory computational and simulation techniques. We are particularly looking for candidates who can operate effectively in a diverse community of students and faculty, and share the vision of helping all constituents reach their full potential. The selected candidate(s) will be expected to teach courses at the graduate and undergraduate level, mentor graduate students and/or junior faculty, advise students at all levels and maintain an active research program. Candidates must have a Ph.D. in engineering or science prior to appointment. He/she should have demonstrated expertise in an area of material science and/or engineering.

For more information, please contact **Krishna Rajan, the Erich Bloch Chair of MDI** at krajan3@buffalo.edu. Nominations and applications will be considered until the position is filled. Screening of applicants will begin **October 15, 2015**. To apply, visit the UB Jobs website (www.ubjobs.buffalo.edu, posting number 1500708).

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