

## Associate or Full Professor

Materials Science & Engineering  
and Chemical Engineering

Search Number: AA14399

**W**  
UNIVERSITY of  
WASHINGTON

The Departments of Materials Science & Engineering (MSE) and Chemical Engineering (ChemE) at the University of Washington invite applications for one full-time tenure-track faculty position (9-month service periods) that will be jointly appointed in the two departments. The successful candidate will have an outstanding record of high impact research that is advancing the battery chemistry and materials fields, as well as an outstanding scholarly vision for innovative research and education as a faculty member. We are primarily focused on hires at the rank of Associate or Full Professors. Applications received by **January 1, 2016** will receive full consideration, though the position will remain open until filled.

Applicants must have a PhD or foreign equivalent doctorate degree in Materials Science Engineering, Chemical Engineering, or a related discipline by the date of appointment. This position is part of a multi-year Clean Energy Institute (CEI) hiring campaign to build excellence that spans the scales of a clean energy economy, from molecular discovery to grid systems and operations. The candidate we seek here will be an interdisciplinary scholar with expertise in one or more areas of advanced battery chemistry and materials. Areas of particular interest include, but are not limited to, new and innovative battery electrodes, electrolytes, and separators; unique electrode and device architecture and processing; testing, degradation, and life modeling; and *in-situ* and *ex-situ* characterization for novel applications in consumer electronic, stationary, and transportation fields. They will be expected to teach both undergraduate and graduate courses within the two departments, to develop high quality interdisciplinary research programs, and to position the departments to better serve the needs of society for advanced energy storage solutions. All University of Washington faculty engage in teaching, research, and service.

### INFORMATION ABOUT THE DEPARTMENTS:

- The MSE department currently has 18 faculty, 137 undergraduates, 100 graduate students, and 25 postdoctoral researchers. The Department's research portfolio covers all classes of materials and state-of-the-art facilities are available in the Department and in interdisciplinary research centers on the campus. More information about the department is available at <http://depts.washington.edu/mse>.
- The ChemE department has 25 faculty, 165 undergraduates, 110 grad students, and 20 postdocs. The department engages in interdisciplinary research and covers all facets of chemical engineering including bio-based systems, interfacial engineering, devices and energy systems, and data sciences. Learn more about the Department of Chemical Engineering at <http://www.cheme.washington.edu>.
- CEI, the UW Clean Energy Institute, is accelerating the creation of a clean energy economy and will grow the state of Washington's capacity to sustain our economy and the environment. We are accomplishing this by recruiting top faculty and students, investing in state-of-the-art research equipment and partnering with other research institutions, educational program, and industry partners. Please explore the links to learn more about the Clean Energy Institute at <http://www.cei.washington.edu>.

### HOW TO APPLY:

Please apply online at [http://www.engr.washington.edu/facsearch/apply.phtml?pos\\_id=182](http://www.engr.washington.edu/facsearch/apply.phtml?pos_id=182) with a letter of application; a detailed curriculum vitae; a list of publications; a statement of research and teaching interests; and the name and contact information of at least three references.

Applicant review will begin immediately and continue until the position is filled, so early applications are encouraged. Additional questions may be addressed to Jay Montague at [montague@uw.edu](mailto:montague@uw.edu).

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to, among other things, race, religion, color, national origin, sex, age, status as protected veterans, or status as qualified individuals with disabilities.



### Director of Solar and Thin Film Energy Research Center

Binghamton University invites applications for a research center director of solar and thin film systems for energy generation and storage, including photovoltaics, thermoelectrics, and supercapacitors. The research focus of the position is open and can include materials, devices, or systems for solar energy harvesting, storage, engineering, and management. The director will expand and work with the university's smart energy research initiatives (<http://www.binghamton.edu/tae/smart-energy/>). The successful candidate, to start by the fall of 2016, will have a tenure berth in one of the following departments: Chemistry, Electrical Engineering, Industrial Engineering, Mechanical Engineering or Physics.

Applicants must submit a cover letter, CV, detailed research and grant application plan, a statement of teaching philosophy, and arrange for three letters of recommendation to be submitted on line at:

<http://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=65081>.

Applications will be considered starting 11/15/2015.

*The State University of New York and Binghamton University are Equal Opportunity/Affirmative Action Employers.*

### FACULTY SEARCH Materials Science and Engineering

The Department of Materials Science and Engineering (MSE) at Virginia Tech seeks applications to fill a **tenure track faculty position** at the Assistant/Associate level in the general area of nuclear materials. Exceptional candidates will be considered at the level of Full Professor. A doctoral degree or equivalent in a relevant area of materials science and engineering is required. Candidates with backgrounds and accomplishments in nuclear materials such as radiation hardened devices/sensors, nuclear security, and/or nuclear medical applications are encouraged to apply.

Applicants should apply at [www.jobs.vt.edu](http://www.jobs.vt.edu) to **posting number TR0150133**. Initial review of applications will begin on December 15, 2015, and will continue until the position is filled. The anticipated start date for this position is August 2016.



*Virginia Tech is an Equal Opportunity/  
Affirmative Action Employer*

### POSTDOCTORAL FELLOW POSITIONS Computational Materials Science



The School of Materials Science and Engineering at the Georgia Institute of Technology, Atlanta, Georgia, (<http://www.mse.gatech.edu>) seeks to hire **two** applicants for Postdoctoral Fellow positions in **computational materials science**.

The general area of interest is in large scale *ab initio* calculation of liquids and molecular dynamics simulation of crystal deformation and defects. Candidates should have relevant prior experience in computational or numerical work in materials science, physics, or mechanics, and training in thermodynamics, statistical physics, and mechanics.

Candidates for these positions must have an earned doctorate. Interested candidates should apply by sending a single PDF file containing a resume, the names of at least three references, and two or three publications to Professor Mo Li at [mo.li@gatech.edu](mailto:mo.li@gatech.edu).

*The Georgia Institute of Technology is an AA/EOE employer. Women and minorities are encouraged to apply.*

## FACULTY POSITION



LEHIGH UNIVERSITY

Photonic, Optoelectronic or Nanoelectronic Materials  
Department of Materials Science & Engineering

Lehigh University seeks to fill a tenure-track position at the Assistant Professor level in Materials Science and Engineering. The department is searching for an outstanding individual who can establish a high quality research program in photonic, optoelectronic, or nanoelectronic materials, with a focus on materials synthesis/growth for devices and materials characterization. Areas of research specialization might include, but are not limited to, 2D layered materials, compound semiconductors, plasmonics/metamaterials, multiferroics, and materials for flexible and biocompatible technologies.

A PhD degree in Materials Science and Engineering or a related discipline is required, as well as demonstrated ability in teaching and research. The successful candidate will be responsible for teaching undergraduate and graduate courses in the Materials Science and Engineering curriculum. A strong desire to perform interdisciplinary research and a willingness to collaborate across departmental boundaries is essential, with strong synergies likely to be found in both the newly formed Center for Photonics and Nanoelectronics (<http://www.lehigh.edu/cpn>) and the Center for Advanced Materials and Nanotechnology (<http://www.lehigh.edu/nano>).

Review of applications will begin **January 1, 2016** and continue until the position is filled. Applications should be submitted on-line at <https://academicjobsonline.org/ajo/jobs/6579>. Please submit a CV that includes a research statement describing a minimum of two externally fundable research programs (3-6 pages), and a description of teaching philosophy at the undergraduate and graduate levels (1-2 pages). Informal inquiries may be addressed to [inmatfs@lehigh.edu](mailto:inmatfs@lehigh.edu).

Lehigh University is one of the seven recipients in 2010 of an NSF ADVANCE Institutional Transformation Grant to enhance recruitment, retention, and the advancement of women faculty in Science, Technology, Engineering, and Mathematics (STEM) fields at Lehigh.

Lehigh Valley Inter-regional Networking & Connecting (LINC) is a newly created regional network of diverse organizations designed to assist new hires with dual career, community, and cultural transition needs. Please contact [infdcap@lehigh.edu](mailto:infdcap@lehigh.edu) for more information.

*Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, genetic information, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status. Lehigh University provides comprehensive benefits including partner benefits.*