Faculty Search
Department of Energy, Environmental & Chemical Engineering
Washington University in St. Louis

Longer version of the advertisement (for EECE/SEAS website)

The School of Engineering & Applied Science (SEAS, engineering.wustl.edu) at Washington University in St. Louis invites applications and nominations for tenured or tenure-track faculty positions at all levels (Assistant, Associate or Full Professor) in the Department of Energy, Environmental & Chemical Engineering (EECE, www.eece.wustl.edu). Joint appointments with other departments are also possible for suitably qualified candidates. The anticipated start date for successful candidates is August 2017.

The faculty search is focused on the broad area of multi-scale energy harvesting (e.g. Solar PV, Solar Thermal, Wind, Thermoelectric) and its intersection with energy storage and distribution, ranging from molecular-scale investigations to systems-level demonstration. Candidates with both experimental and/or theoretical expertise will be considered. Of particular interest are candidates with expertise in: a) (electrochemical) additive manufacturing as it relates to energy harvesting and storage at multiple scales, b) understanding the interplay between energy harvesting/generation, storage, and transmission/distribution in large and complex networks, with the attendant implications in terms of big data analytics; and c) electrochemical engineering and catalysis as applied to problems in energy harvesting and storage.

Candidates should have an earned Ph.D. in chemical engineering, or a related engineering discipline. New faculty will be expected to build and maintain a strong externally-supported research program, teach effectively at the undergraduate and graduate levels, interact with other researchers in the School of Engineering and Applied Science and throughout the university, and participate in department and university service. Candidates for senior-level appointments (Associate or Full Professor) must have a strong record of achievement in research and teaching. We anticipate that the career development of new hires will benefit from participation in school-wide and university-wide initiatives on energy and the environment that include the Center for Solar Energy and Energy Storage (http://solarstorage.wustl.edu/), other research centers and initiatives related to solar energy (www.parc.wustl.edu, www.serius.org), the International Center for Advanced Renewable Energy and Sustainability (i-cares.wustl.edu), the McDonnell Academy Global Energy and Environment Partnership (mageep.wustl.edu), and the Institute of Materials Science and Engineering (imse.wustl.edu).

Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, copies of up to 3 most significant publications, and contact information for at least three references) through Academic Jobs Online at https://academicjobsonline.org/ajo/jobs/7592. Questions regarding the process should be directed to the search committee chair, Vijay Ramani (ramani@wustl.edu). Applications will be considered on a rolling basis until the position is filled, but priority will be given to those received by October 28th, 2016. The EECE department will host a reception at the AIChE annual meeting. Candidates attending the AIChE annual meeting are encouraged to apply in advance of the meeting, and indicate their attendance in their cover letter.

Washington University is an Equal Opportunity and Affirmative Action employer, and invites applications from all qualified candidates. Women and members of groups that are under-
represented in engineering are encouraged to apply. Employment eligibility verification will be required prior to commencement of employment.

Founded in 1853, Washington University is an independent research university dedicated to challenging its faculty and students to seek new knowledge and greater understanding of an ever changing, multi-cultural world. The university is counted among the world's leaders in teaching and research and draws students (over 12,000 full-time students) and faculty to St. Louis from all 50 states and from more than 100 nations.