School of Engineering, Stanford University - Faculty Opening
Computational science at the quantum level for catalysis and materials

The School of Engineering at Stanford University invites applications for a tenure-track faculty appointment at the junior level (Assistant or untenured Associate Professor) in the field of computational science at the quantum level for heterogeneous and electro-catalysis and materials. Applicants are expected to have earned a Ph.D. degree in chemical engineering, materials science and engineering, or related disciplines. Priority will be given to the overall originality and promise of the candidate's work over any particular specialization area or department affiliation.

The successful candidate is expected to develop a world-class research program within a stimulating interdisciplinary environment and demonstrate a strong commitment to teaching at both the graduate and undergraduate levels. We seek applicants with expertise in materials and chemical/physical processes for applications such as catalysis and energy, with research that focuses on computational approaches at the quantum level, i.e. simulations at atomic and molecular scales. An ideal candidate would work well in teams with other scientists and engineers at Stanford and at SLAC National Accelerator Laboratory to achieve breakthrough results relevant to new technologies in the areas of catalysis, materials, and energy, with promise of translation to scaled-up practice.

The appointment of the successful candidate is envisioned to be in one of the departments of Chemical Engineering or Materials Science and Engineering, although a joint appointment with these or other departments in the School of Engineering will also be considered, as well as possibilities with the Photon Science Faculty at SLAC.

Candidates should apply online at https://www.applyweb.com/cgi-bin/app?s=STANFAC. The application website may also be reached via the webpages for the Department of Chemical Engineering (http://cheme.stanford.edu), the Department of Materials Science & Engineering (http://mse.stanford.edu), or the Stanford University School of Engineering (http://soe.stanford.edu). Applications are due by November 15, 2018, but we will continue to accept applications until the position is filled. Applications should include a research and teaching plan (not to exceed five pages), a detailed resume including a publications list, and the names and addresses of three references. Questions may be directed to search administration at computationalcatalysismaterials@stanford.edu.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

STANFORD UNIVERSITY
Department of Chemical Engineering

The Department of Chemical Engineering at Stanford University is seeking applicants for a tenure-track faculty position at the junior level (Assistant or untenured Associate Professor). Applicants are expected to have earning a Ph.D. degree in chemical engineering or a related discipline.

There are several broad areas of interest, for example, biochemical and biomolecular engineering, including synthetic biology, bioprocess engineering, protein engineering, biomarker developments, chemical and biological sensors and metabolic engineering; surface reactivity and catalysis: fuel cells, solar energy, and batteries; environmental or atmospheric studies; membrane science; molecular transport processes and mechanics; soft materials physics and chemistry; nanomaterials processing and computation and simulation. In general, we give higher priority to the overall originality and promise of the candidate's work rather than to the sub-area of specialization. Researchers with interests in the applied life sciences, energy sciences, and environmental sciences are particularly encouraged to apply.

The successful candidate will be expected to teach at the graduate and undergraduate level, to develop advanced graduate courses in a research specialty, as well as to develop a world-class research program with emphasis on the fundamental physical, chemical or biological aspects of chemical engineering science. Applicants should be seeking a stimulating interdisciplinary environment in which to pursue teaching and research. We anticipate that the faculty member will contribute to and develop leadership roles and interactions among faculty not only in Chemical Engineering, but also Electrical, Mechanical, Civil and Environmental and Materials Science and Engineering in the School of Engineering; in Physics, Chemistry and Biology in the School of Humanities and Sciences; in the departments and programs in the School of Earth, Energy and Environmental Sciences and in the School of Medicine, as well as Bioengineering located in the Schools of Engineering and Medicine; and at the Stanford Synchrotron Radiation Laboratory.

Applicants must submit online their curriculum vitae (including research accomplishments, teaching experience, and publications), a transcript of doctoral graduate study, a detailed research (no more than 5 pages) and teaching plan (1 page), and three or more references. Applications are due by December 3, 2018, but we will continue to accept applications until the position is filled. Please apply online at http://cheme.stanford.edu/.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women, members of minority groups, protected veterans and individuals with disabilities, as well as from others who would bring additional dimensions to the university's research, teaching, and clinical missions.