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MASC FACULTY POSITION

USC Viterbi School of Engineering Mork Family Department of Chemical Engineering and Materials Science

The faculty of the Mork Family Department of Chemical Engineering and Materials Science invites applications for a tenure-track faculty appointment at any level in the area of materials science and engineering. 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. Priority will be given to the overall originality and promise of the candidate's research work. The USC Viterbi School of Engineering is committed to increasing the diversity of its faculty and welcomes applications from women, underrepresented groups, veterans, and individuals with disabilities.

Both experimental and computational candidates are welcome to apply. Research area focus should be either experimental materials science with emphasis on synthesis and characterization of emerging quantum materials with novel functionalities or computational materials science and engineering with emphasis on large-scale reactive and quantum dynamics simulations. An ideal candidate would work well in teams with other scientists and engineers at Viterbi School of Engineering to achieve breakthrough results relevant to new technologies in the areas of synthesis and characterizing new and novel quantum materials.

The position is available starting August 16, 2020. Applicants must have earned a Ph.D., or equivalent degree in materials science and engineering or a related field, by the beginning of the appointment. Applications should include:

- a cover letter;
- a curriculum vitae detailing educational background, research accomplishments, and work experience;
- a research plan;
- a teaching and service plan;
- names of at least four professional references.
- Applicants are encouraged to include a succinct statement on fostering an environment of diversity and inclusion.

In order to receive full consideration, all materials should be received by December 7, 2019, but earlier application is encouraged.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply. The Viterbi School of Engineering at USC is committed to enabling the success of dual career families and fosters a family-friendly environment.

Apply at:

<https://usccareers.usc.edu/job/los-angeles/open-rank-professor-of-chemical-engineering-and-materials-science/1209/13369538>

FACULTY OPENING IN MATERIALS SCIENCE AND ENGINEERING

Georgia Institute of Technology The School of Materials Science and Engineering

The School of Materials Science and Engineering (MSE) at the Georgia Institute of Technology (GT) invites outstanding applicants for a tenure-track faculty position at the Assistant Professor level. Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. We strongly encourage applications from women, underrepresented minorities, individuals with disabilities, and veterans. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.

The search spans all application domains, material types and primary activities (experimentation, simulation, theory). Qualified candidates must possess a Ph.D. in Materials Science and Engineering or a closely related discipline, and a strong record of academic and research excellence. The ideal candidate will champion independent and collaborative research at the cutting edge of her/his field, be able to attract external funding to build strong sponsored-research activities, mentor graduate students successfully, develop and teach fundamental courses at the undergraduate and graduate levels in materials science and engineering, and make positive contributions to the School, Institute and community.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with great economic and cultural strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its technology resources, collaborations, high-quality student body, and its commitment to diversity, equity, and inclusion. MSE at GT (<http://mse.gatech.edu>) has ~35 full time equivalent faculty whose research spans all forms, classes, and functionalities of materials to address various societal grand challenges. Opportunities abound for campus-wide interactions within the academic units in the Colleges of Science, Engineering, and Computing. Georgia Tech is home to 11 Interdisciplinary Research Institutes (<https://research.gatech.edu/interdisciplinary-research>) responsible for bringing together faculty and students across the colleges around a core research area. All faculty have access to state-of-the-art shared user facilities including the Materials Characterization Facility (<https://mcf.gatech.edu>), the Mechanical Properties Characterization Facility (<http://mpcf.gatech.edu>), the Polymer and Molecular Characterization Facility (<http://stami.gatech.edu/stami-resources>), the Micro-/Nano- Fabrication Facility (<https://cleanroom.gatech.edu>), and Bioengineering/Biosciences Core Facilities (<https://ibb.gatech.edu/research/core-facilities>).

To apply, please submit the following materials online at <https://academicjobsonline.org/ajo?joblist---2513-14725>: (1) a cover letter, (2) a curriculum vitae, (3) a 3-4 page research statement including past accomplishments and future plans, (4) a 1-2 page statement of teaching interests including an advising/mentoring philosophy, (5) a 1 page statement of plans and contributions to diversity, equity and inclusion, (6) and names and contact information for three to five references. Applications received by Nov. 15, 2019 will be given full consideration, but the search will continue until the position is filled. An earned doctorate is required by the start of the appointment, and a background check must be completed prior to employment.

MULTIPLE POSITIONS AT THE TENURE-TRACK ASSISTANT PROFESSOR LEVEL

University of North Dakota

Department of Mechanical Engineering

The Department of Mechanical Engineering at the University of North Dakota in Grand Forks, ND invites applications for multiple positions at the tenure-track assistant professor level in the manufacturing and/or materials stem of mechanical engineering with an expected start date of January 2020.

Candidates must have an earned doctorate in mechanical engineering or a closely related field. The successful candidate will demonstrate dedication to excellence in teaching undergraduate and graduate courses and outstanding communication and interpersonal skills. Selection will also be based on the candidate's ability to develop an externally-funded research program related to manufacturing and/or materials. Preference will be given to applicants who can align their research with existing or planned initiatives including, but not limited to, promoting energy security and environmental sustainability and/or driving world-changing developments of UAS.

Review of applications will begin September 15, 2019 and continue until the position is filled. For full consideration, applicants should submit a resume, 4-page statement of teaching and research interests, and contact information for three references.

Apply online for Position ##00013573, 00013686 using the following link: <https://campus.und.edu/human-resources/careers/job-openings-external.html?category=2000+Academic&subcategory=2110+Assistant+Professor>.

UND is an AA/EEO/Vets/ Disabled employer. Women and minorities are especially encouraged to apply.

MULTIPLE TENURED/TENURE-TRACK FACULTY POSITIONS

University of Maryland, College Park

Department of Materials Science and Engineering

The Department of Materials Science and Engineering (MSE) at the University of Maryland, College Park (UMD) (<https://www.mse.umd.edu>) is embarking on a substantial expansion by seeking outstanding individuals for multiple tenured/tenure-track faculty positions in the areas of: (1) advanced microscopy that pushes the boundaries of materials characterization; (2) additive manufacturing of metals and composites, (3) materials for advanced and quantum computing, (4) materials for extreme environment in energy and defense systems, (5) computational materials science, and (6) applied experimental physics on emergent materials. Exceptional candidates in other areas of MSE will also be considered. At least one faculty will be hired jointly with the Institute for Research in Electronics & Applied Physics (IREAP) (<https://www.ireap.umd.edu>) – a UMD institute with a broad interest in interdisciplinary applied physics research. Successful applicants should have a Ph.D. in MSE, applied physics, or a related discipline. We seek candidates who can lead interdisciplinary materials research and establish vibrant research and teaching programs at the University of Maryland. Academic rank is open depending on qualifications, but at least three positions are expected to be filled at the junior faculty level. The Department and Institute are committed to promoting a climate of diversity and inclusion among our faculty. Women and minorities are particularly encouraged to apply, and candidates who have demonstrated a commitment to working with diverse populations through research, teaching and mentoring are encouraged to identify their experience in these areas. For best consideration, interested applicants should apply by December 20, 2019; review of applications will begin on November 1, 2019 and will continue on a rolling basis until positions are filled.

A cover letter, curriculum vitae, a statement of research and teaching interests, and names of at least three professional references should be submitted electronically to: <https://ejobs.umd.edu/>; position number 125337. Applicants who are interested in the joint MSE and IREAP position should state their interest in interdisciplinary applied physics research in their cover letters.

Questions about the positions can be directed to the Chair of the Search Committee, Prof. Ichiro Takeuchi (email: takeuchi@umd.edu; Phone: (301) 405-6809).

The University of Maryland, College Park, actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, or political affiliation. Minorities and women are particularly encouraged to apply.

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