

## MATERIALS RESOURCE CENTER: *Positions Available*



### FACULTY POSITIONS IN MSE

The School of Materials Science and Engineering (MSE) at the Georgia Institute of Technology (GT) is seeking to add tenure-track faculty in several areas as described below. Applicants with exceptional records of creativity, originality, and excellence will be considered at all levels.

**Metals:** Outstanding candidates with demonstrated expertise in physical, mechanical, and/or process metallurgy, and the ability to build a strong research program based on structural metals and alloys, with emphases in bulk metal processing and process modeling will be considered. Qualified candidates must possess a Ph.D. in Materials Science and Engineering or a closely-related field, with an emphasis on metallurgy.

**In Situ/Operando Characterization:** Outstanding candidates with demonstrated expertise and leadership in developing advanced approaches for characterizing the structure, composition, and/or properties of materials at different length and time scales under in situ or in operando conditions, and building a strong research program based on such analytical tools, will be considered. Qualified candidates must possess a Ph.D. in Materials Science and Engineering or a closely-related field, with an emphasis on materials characterization.

Successful candidates will be expected to lead independent research programs at the cutting edge of their field, attract external funding to build strong sponsored-research activities, successfully mentor graduate students, and develop and teach fundamental courses at the undergraduate and graduate levels. There are numerous opportunities for campus-wide interactions with the various academic units in the Colleges of Engineering and Science, as well as with interdisciplinary institutes, such as the Institute for Materials (IMat), the Manufacturing Institute (GTMI), the Strategic Energy Institute (SEI), and the Institute for Electronics and Nanotechnology (IEN).

Interested candidates must submit an online application, which includes a cover letter, curriculum vitae, statements of research interest and teaching philosophy, and the names (and contact information) of at least five references, at: <http://www.mse.gatech.edu/facultyjobs/apply>. Applications will be considered until the positions are filled. The selection process will include passing a pre-employment background screening.



**MATERIALS SCIENCE  
& ENGINEERING**  
TEXAS A&M UNIVERSITY

### MULTIPLE FACULTY POSITIONS, ALL RANKS

#### Materials Science and Engineering

#### Texas A&M University

The interdisciplinary Department of Materials Science and Engineering at Texas A&M University invites applications for multiple tenured or tenure-track faculty positions. Although we primarily seek candidates at the associate- and full-professor levels, exceptional candidates at the assistant-professor level will be also considered. Applicants must have an earned doctorate in materials science and engineering or an appropriate, closely related discipline. Specifically targeted are candidates with expertise in one or more of the following areas: (a) Computational materials science; (b) Advanced polymer design, synthesis, and processing science; (c) Materials electrochemistry; (d) Materials degradation and corrosion. Highly qualified candidates in other areas of materials science and engineering will also be considered. The successful applicants will teach at the undergraduate and graduate levels; develop an independent, externally funded research program; participate in all aspects of the department's activities; and serve the profession. Strong written and verbal communication skills are required. Full position ad can be found at [msen.tamu.edu](http://msen.tamu.edu) with further details. Applicants should submit a cover letter stating the position they are interested in, curriculum vitae, teaching and research statements, and a list of four references (including postal addresses, phone numbers and email addresses) to the website:

[www.tamuengineeringjobs.com/applicants/Central?quickFind=54918](http://www.tamuengineeringjobs.com/applicants/Central?quickFind=54918)

Full consideration will be given to applications received by Jan. 3, 2014. Applications received after that date may be considered until positions are filled. It is anticipated that appointments will begin Fall 2014.



**WISCONSIN**  
UNIVERSITY OF WISCONSIN-MADISON

### FACULTY POSITIONS

#### Materials Science and Engineering

#### University of Wisconsin – Madison

The Department of Materials Science and Engineering at the University of Wisconsin-Madison seeks new faculty at the Assistant, Associate, and Full Professor levels. Distinguished candidates with outstanding records of achievement will be considered for the Y. Austin Chang Chair in Materials Science and Engineering.

Successful candidates will develop an internationally recognized research program, demonstrate leadership in attracting extramural funding, dedicate themselves to excellence and innovation in both undergraduate and graduate education, and provide service to the profession. Applications are encouraged in advanced polymeric, ceramic, and metallic materials. Areas of interest include but are not limited to the integration of experiment and computation in materials research and in situ materials characterization via electron microscopy and ultrafast techniques.

UW-Madison offers world-class research opportunities, interdisciplinary collaborative research centers, and exceptional facilities for materials characterization, computation, and nanofabrication (<http://go.wisc.edu/q29sb6>). The University is committed to assisting candidates in achieving the highest levels of accomplishment.

Applicants for tenure-track positions must provide plans for teaching and research in materials science and engineering (each two pages maximum), a curriculum vitae, and three letters of reference. Candidates for tenured positions must provide curriculum vitae, teaching and research statements and contact information for five references. All materials should be sent electronically to [mse.applications@engr.wisc.edu](mailto:mse.applications@engr.wisc.edu).

Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality. UW-Madison is an equal opportunity/affirmative action employer. Applications must be received by December 1, 2013 to ensure consideration.

**MATERIALS RESOURCE CENTER: Positions Available**

**Colorado School of Mines  
Metallurgical & Materials  
Engineering  
Assistant Professor(s)**

The George S. Ansell Department of Metallurgical and Materials Engineering invites applications for two tenure track Assistant Professor openings.

The successful candidates will be expected to teach existing undergraduate and graduate level courses and to develop new courses appropriate to their expertise. They will be expected to advise both M.S. and Ph.D. students and to develop external research funding both independently and as a team member.

Applicants must possess a Ph.D. or an equivalent degree in Metallurgical Engineering or Materials Science and Engineering or a closely related field. Applicants must demonstrate the potential for research excellence in an area of materials science and engineering preferably with an emphasis in an area that complements the core strengths in MME, namely, (1) chemical metallurgy, (2) physical/mechanical metallurgy, (3) ceramics and (4) advanced coatings.

For the complete job announcement and directions on how to apply, visit:  
<http://inside.mines.edu/HR-Academic-Faculty>

Mines is an EEO/AA Employer



**POST-DOCTORAL RESEARCH ASSOCIATE  
School of Mechanical and Materials Engineering  
Washington State University  
Pullman, WA**

The position will support research on thermal, mechanical, and electrical interactions in materials for (a) microelectronics and (b) electrically-activated manufacturing. Several projects under government and industry sponsorship are available. In addition to conducting his/her own research, the candidate will be expected to provide guidance to graduate students.

The ideal candidate will possess a PhD in Materials Science or a related field, with sound knowledge of diffusional processes (e.g., electromigration), mechanical behavior, and electron microscopy. Hands-on experience with design and construction of research apparatus and instrumentation is critical.

Interested candidates should e-mail a resume and the names of 3 references immediately to:

Professor I. Dutta  
E-Mail : [idutta@wsu.edu](mailto:idutta@wsu.edu)  
web: <http://www.mme.wsu.edu/people/faculty/faculty.html?dutta>

The position is available immediately. Initial appointment is for one year, and will be renewable contingent on satisfactory performance and availability of funding.

*Washington State University is an Equal Opportunity Employer*



**UMASS  
AMHERST**

**Faculty Position in  
Materials Engineering**

The Department of Mechanical and Industrial Engineering (MIE) at the University of Massachusetts Amherst invites applications for a tenure-track position in the area of materials engineering. Appointment at the rank of assistant professor is preferred; however, exceptional candidates may be considered for appointment at a rank commensurate with qualifications and experience. Faculty members are expected to teach both undergraduate and graduate courses, supervise graduate students and postdoctoral fellows, contribute significantly to the advance of basic science and engineering as evidenced by scholarly publications, and develop a nationally recognized program of sponsored research. Applicants specializing in either computational or experimental methods applicable to biomaterials and energy materials are especially encouraged. In addition, where appropriate, the new faculty will participate in the development of new graduate programs within the College of Engineering.

The Department of Mechanical and Industrial Engineering has 26 full-time faculty members, over 130 graduate students, and over 766 undergraduates. Research expenditures exceeded \$4.7M in the last fiscal year. A number of programs, institutes and centers provide outstanding opportunities for faculty, including: the Wind Energy IGERT, the Wind Energy Center, the NSF Center for e-Design, and the Center for Energy Efficiency and Renewable Energy in the Department; the Institute of Cellular Engineering in the College; the Center on Polymer-Based Materials for Harvesting Solar Energy, the Energy Frontier Research Center, the NSF Center for Hierarchical Manufacturing, the NSF Materials Research Science and Engineering Center, the Institute for Massachusetts Biofuels Research, and the Massachusetts Life Sciences Center at the University; and the Pioneer Valley Life Sciences Institute, Baystate Medical Center, the University of Massachusetts Medical School in the region.

The University of Massachusetts is situated 90 miles west of Boston in the vicinity of four liberal arts colleges offering exceptional and diverse cultural and recreational opportunities.

Applicants must have a PhD in materials science, mechanical engineering, or a closely related field (degree by September, 2014). Candidates should provide the following in their application package: 1) Statement of interest, including teaching and research qualifications, description of research and teaching goals, and a discussion of how the candidate's experience would add to existing Departmental and University strengths; 2) Current curriculum vitae; 3) Teaching interests; 4) Representative recent original research articles; 5) Full contact information for at least four references. Review of applications will begin on 11/1/13 and continue until a suitable candidate is identified.

Online applications are strongly preferred. Please apply online at <http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=42891>. If necessary, applications can be mailed to: University of Massachusetts Amherst, Mechanical and Industrial Engineering, Materials Engineering Search Committee, 160 Governors Drive, Amherst, MA 01003.

*The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer. The Department, College, and University have a strong commitment to diversity. Women and Members of Minority Groups are encouraged to Apply.*

*The University seeks to increase the diversity of its professoriate, workforce and undergraduate and graduate student populations because broad diversity is critical to achieving the University's mission of excellence in education, research, educational access and service in an increasingly diverse globalized society. Therefore, in holistically assessing many qualifications of each applicant of any race or gender we would factor favorably an individual's record of conduct that includes students and colleagues with broadly diverse perspectives, experiences and backgrounds in educational, research or other work activities. Among other qualifications, we would also factor favorably experience overcoming or helping others overcome barriers to an academic career or degree.*

**MATERIALS RESOURCE CENTER: Positions Available****FACULTY POSITION SCHOOL OF MATERIALS ENGINEERING****PURDUE UNIVERSITY**

The School of Materials Engineering at Purdue University invites applications for a tenure track position of Assistant Professor. Purdue University seeks to attract exceptional candidates with interests and expertise in any Materials Science and Engineering area. Successful candidates must hold a Ph.D. degree in Materials Science and Engineering or a related discipline and demonstrate excellent potential to build an independent research program at the forefront of their field, as well as potential to educate and mentor students. Duties include conducting original research, advising graduate students, teaching undergraduate and graduate level courses, as well as performing service both at the School and University levels.

The School of Materials Engineering at Purdue University has experienced significant growth in the past decade and has a strong faculty core engaged in all areas of Materials Science and Engineering, as well as significant interdisciplinary efforts across campus, with other academic institutions, and industrial partners. College of Engineering at Purdue is currently undergoing extensive growth, with over one hundred faculty position openings being projected over the next five years. For a detailed description of research activities see [www.engineering.purdue.edu/MSE/](http://www.engineering.purdue.edu/MSE/).

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including curriculum vitae, teaching and research plans (each 3 pages maximum), copies of up to three most relevant publications, and names of three references. For information/questions regarding applications submission contact Marion Ragland, Faculty Recruitment Coordinator, College of Engineering, Attn: School of Materials Engineering, at [ragland@purdue.edu](mailto:ragland@purdue.edu). Address questions regarding the position to Prof. Lia Stanciu, Search Chair at [Istanciu@purdue.edu](mailto:Istanciu@purdue.edu). Review of applications begins October 1, 2013 and continues until position is filled. A background check will be required for employment in this position.

*Purdue University is an equal opportunity/ equal access/affirmative action employer fully committed to achieving a diverse workforce.*

**I'VE SPECIALIZED FOR 34 YEARS**

in the placement of Metallurgical, Materials, and Welding Engineers in the areas of R&D, Q.C. Production, Sales & Marketing, nationwide. My background as a Met. Eng. can help you! Salaries to \$190K. Fees paid by Co. Call/Send/E-mail Resume:

**Michael Heineman, Meta-Find, Inc.;**  
P.O. Box 610525, Bayside, NY, 11361;  
Phone: (212) 867-8100;  
E-mail: [mikeh@meta-findny.com](mailto:mikeh@meta-findny.com);  
Web: [www.meta-findny.com](http://www.meta-findny.com)

**FACULTY POSITION****Materials Science and Engineering**

The Materials Science & Engineering Department at Michigan Technological University invites applications for a tenure-track faculty position at the rank of Assistant, Associate, or Full Professor. Successful applicants will have demonstrated an esteemed record of professional achievement commensurate with rank and the potential to continue and sustain a high-quality, peer-recognized research program. Applicants whose research focuses on traditional structure-property-processing relationships in materials are particularly encouraged to apply. Michigan Tech enrolls approximately 7000 students, of which 4150 are in the College of Engineering. The MSE Department presently enrolls approximately 150 undergraduate and graduate students. Additional information about the search, the MSE Department, Michigan Tech, and the community can be found at [www.mtu.edu/materials](http://www.mtu.edu/materials).

Applications should be submitted electronically to <http://www.jobs.mtu.edu/postings/1188> and will include a copy of the applicant's curriculum vitae, statements of teaching interests and research plans, and a cover letter summarizing qualifications for the position. Contact information for three professional references will be requested at a later time. Applications received by 15 February 2014 will receive full consideration. Nominations or inquiries of a general nature may be directed to [msearch@mtu.edu](mailto:msearch@mtu.edu).

Michigan Tech acknowledges the importance of supporting dual career partners in attracting and retaining a quality workforce ([www.dual.mtu.edu](http://www.dual.mtu.edu)). Michigan Tech is an ADVANCE institution, one of a select group of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM. Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer.

**FACULTY POSITION****UNIVERSITY OF MICHIGAN****Materials Science and Engineering, the University of Michigan (UM)**

The Department of Materials Science and Engineering (MSE), College of Engineering, University of Michigan, invites outstanding applicants for a tenure-track faculty position in the area of computational materials science and engineering with an emphasis on metallic materials. Emphasis will be placed on applicants with a record of research accomplishment in one or more of the following areas: dislocation dynamics, manufacturing process simulation, density functional theory, statistical mechanics, models for microstructural evolution, micro-mechanical modeling of mechanical behavior and failure/degradation processes (e.g. corrosion, fatigue, etc). We seek individuals who have demonstrated strong interest and capability in both science and engineering, who would become strong participants in multi-disciplinary, cross departmental teams and who would work equally well with researchers in industry and academia. The applicant must hold a Ph.D. degree in MSE or a related field, and should be qualified and willing to teach undergraduate and graduate courses within the field. We seek candidates who will provide inspiration and leadership in research, contribute to the academic mission of the institution, and participate in new UM initiatives in Integrated Computational Materials Engineering and manufacturing of structural metals. We are especially interested in candidates who contribute, through their research, teaching, and service, to the diversity and excellence of the academic community. UM is responsive to needs of dual career families, and an affirmative action, equal opportunity employer.

Candidates should submit a cover letter, resume, research and teaching plans, publication list, and the names of four references to our web site at <http://www.mse.engin.umich.edu/facultysearch/cmse>

Review of applications will begin December 1. Applications received after that date will be considered until the position is filled.

**Contact information:**

e-mail address: [cmse-search@umich.edu](mailto:cmse-search@umich.edu)  
Computational Materials Science and Engineering (CMSE) Faculty Search Chair  
Department of Materials Science and Engineering  
The University of Michigan  
2300 Hayward Street  
Ann Arbor, MI 48109-2136