



FACULTY POSITIONS

Center for Condensed Matter Sciences
National Taiwan University

The Center for Condensed Matter Sciences, as a premiere research center at the National Taiwan University, has immediate openings for tenure-track faculty positions. Rank of faculty positions will match the candidates' qualifications. Applicants with excellent credentials in cutting edge condensed matter research fields, such as emerging materials or advanced spectroscopic and microscopic techniques, in both fundamental and applied aspects, will be considered.

Applicants should send resume, publication list, research plans, and three letters of recommendation to:

Director, Prof. Li-Chyong Chen
Center for Condensed Matter Sciences
National Taiwan University
Taipei 106, Taiwan
Center Assistant: Wei-Lin Chou
Email: cwli1828@ntu.edu.tw
Phone: (02) 3366-5201
Fax: (02) 2365-5404

Closing date for applications is **December 10, 2015**.

IOWA STATE UNIVERSITY

Assistant Professor Materials Science and Engineering

The Department of Materials Science and Engineering (www.mse.iastate.edu) at Iowa State University (ISU) invites applications for a tenure-track Assistant Professor in technical areas contributory to education and experimental research efforts in ceramics.

The successful candidate will be expected to develop a vibrant research program, teach undergraduate and graduate courses on ceramic materials, and engage in professional and institutional service and leadership. Collegiality and the highest standards of integrity and ethics will also be expected. The candidate will have opportunities to engage in significant interdisciplinary collaborations on the Iowa State University campus, including those offered by the Ames Laboratory (www.ameslab.gov), a DOE National Laboratory, the Critical Materials Institute (www.cmi.ameslab.gov); the Center for Nondestructive Evaluation (www.cnde.iastate.edu); and the Microelectronics Research Center.

Required Education and Experience

The successful candidate must have a Ph.D. in ceramics, materials science or a related science or engineering field with research experience in ceramic materials.

Credentials commensurate with teaching graduate and undergraduate classes in ceramics.

To view the complete position announcement, please visit: <http://www.iastatejobs.com:80/postings/13630>

Position closing date is 10/31/2015.

Iowa State University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS Mechanical Engineering



Massachusetts
Institute of
Technology

The Massachusetts Institute of Technology (MIT) Department of Mechanical Engineering seeks candidates for faculty positions starting in September 2016 or thereafter. Appointment will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment will be considered. We seek candidates who will provide inspiration and leadership in research, contribute proactively to both undergraduate and graduate level teaching in the Mechanical Engineering department, and add to the diversity of the academic community.

Faculty duties include teaching at the graduate and undergraduate levels, advising students, and conducting research. Candidates must hold an earned PhD degree in Mechanical Engineering or a related field by the beginning of employment. Candidates in all areas related to Mechanical Engineering will be considered, including, but not limited to: (1) mechanics: modeling, experimentation and computation; (2) design, manufacturing, and product development; (3) control, instrumentation, and robotics; (4) energy science and engineering; (5) ocean science and engineering; (6) bioengineering; and (7) micro/nanoengineering. Our department is committed to fostering interdisciplinary research that can address grand challenges facing our society.

Applicants should send a curriculum vitae, a research statement, a teaching statement, and copies of no more than three publications. They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: <https://school-of-engineering-faculty-search.mit.edu/meche/register.tcl> by **December 1, 2015** when review of applications will begin.

MIT is an equal-opportunity/affirmative action employer. Women and underrepresented minorities are especially encouraged to apply.



Tenure Track Faculty - Physical Metallurgy

The Department of Materials Science and Engineering (MatSE) at The Pennsylvania State University invites applications for a tenure-track faculty position to begin as early as July 1, 2016. While the Department is actively seeking individuals at the Assistant Professor level, we invite all levels of applications. The level of the appointment (Assistant, Associate, or full) will be determined based on the qualifications and experience of the successful candidate. The interest of expertise for this hire is in the area of Metals Science and Engineering with a strong preference for physical metallurgy.

Penn State is one of the largest materials research institutions in the United States, and MatSE is a recognized world leader in materials education and research. The MatSE Department consists of 28 faculty members, about 160 graduate students, and 280 undergraduate students. Research programs span the many sub-disciplines of materials science and engineering and generate more than \$10 million in project funding each year. Steidle Building, which houses the Materials Science and Engineering Department, is undergoing a \$52M renovation to provide new laboratory space, educational labs, office and meeting space, and state-of-the-art facilities. Move-in is anticipated for Summer 2016. In addition, the Materials Research Institute supports state-of-the-art facilities for characterization, synthesis, nanofabrication, and computation in the Millennium Science Complex constructed in 2012.

The successful candidate will be expected to establish a funded, independent research program as well as collaborate with other researchers at Penn State. Opportunities exist to teach core courses in the undergraduate program and graduate courses on topics related to physical metallurgy and related areas.

Review of applications will begin October 1, 2015 and continue until the position is filled. Applicants should submit 1) a curriculum vitae, 2) a research statement of up to three pages describing research interests and plans, 3) a one-page teaching statement, and 4) a list of at least three references with contact information.

Applications may be submitted online at apptrk.com/668149

Questions about the position can be directed to search@matse.psu.edu.

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.



Assistant Professor

Materials Department
University of California, Santa Barbara

The Materials Department in the College of Engineering at the University of California, Santa Barbara is seeking applications for an Assistant Professor position (tenure-track) in Inorganic Materials.

Candidates should demonstrate the potential to build up a cutting-edge, world-leading experimental research program in the areas of development and materials physics of functional materials. We particularly encourage applications from candidates with expertise in bulk or thin film synthesis of materials in one or more of the following areas: materials for energy; emergent, magnetic and correlated materials; novel semiconductors, electronic, or photonic materials; materials for information technology and devices; and functional materials.

Applications consisting of a résumé, brief statements of teaching philosophy and research interests (2-page-limit each), and the names and addresses of at least three references should be submitted online at <https://recruit.ap.ucsb.edu/apply/JPF00538>.

Please apply by **November 15, 2015** for primary consideration; however, the position will remain open until filled.

The Materials Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

FACULTY POSITIONS

Materials Science and Engineering University of Pennsylvania

The School of Engineering and Applied Science at the University of Pennsylvania is growing its faculty by 33% over the next five years. As part of this initiative, the Department of Materials Science and Engineering is engaged in an aggressive, multi-year hiring effort for multiple tenure-track positions at the assistant professor level. Exceptional applicants for tenured associate and full professor positions may also be considered.

Applicants from all materials-related research areas are invited to apply, especially those with expertise in mechanics of materials, materials for energy applications, quantum materials, and/or *in situ* microscopies and scattering methods.

Successful candidates will conduct leading edge research programs benefiting from Penn's strong interdisciplinary tradition, cross-school research centers such as the NSF-funded Materials Research Science and Engineering Center (<http://www.lrsm.upenn.edu>), and multi-user facilities in the new Singh Center for Nanotechnology (<http://www.nano.upenn.edu>). We are especially interested in candidates whose interests are aligned with the school's new strategic plan (www.seas.upenn.edu/PennEngineering2020). If the site is not active, please check back shortly.

Applicants must apply online at <http://facultysearches.provost.upenn.edu/postings/685> and submit a cover letter, a complete curriculum vitae, a short (5-page limit) research statement, a teaching statement, and the names of three references (with contact information) who could provide letters of recommendation. Review of applications will begin immediately and continue until the positions are filled.



The University of Pennsylvania is an EOE.
Minorities/Women/Individuals with disabilities/
Protected veterans are encouraged to apply.



TENURE-TRACK FACULTY POSITION MATERIALS ENGINEERING

The Materials Research and Education Center at Auburn University seeks an outstanding individual for a tenure-track faculty position in the Samuel Ginn College of Engineering. Candidates will be considered at the assistant, associate, and full professor levels. Candidates are sought that enhance strategic areas targeted by the department for growth. In particular, emphasis will be placed on applicants with a record of research accomplishments in: (1) biosensing, sensing materials, biomaterials, sensors for food safety; and (2) additive manufacturing.

The successful candidate will be expected to establish a strong individual research program in one of the above areas. Associate level applicants and higher must demonstrate an active nationally and internationally recognized program. The candidate will be expected to participate in large-scale, multidisciplinary team efforts in one of the above areas. The appointee will teach both undergraduate and graduate courses in materials engineering and develop innovative, cross-disciplinary instructional activities.

The successful candidate must be professionally trained in materials science and engineering and hold a PhD from an accredited institution. The intended start date is January 1, 2016. Applications will be accepted until the position is filled. The review of applications will begin **October 1, 2015**. A link to the posting and application can be found at <http://aufacultypositions.peopleadmin.com/postings/1003>.

The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time the appointment is scheduled to begin, and must continue working legally for the proposed term of employment.

Auburn University is located in the City of Auburn, which was recently ranked in the top 10 nationally of Best Small Cities for Education as well as one of the top 10 places to live nationally. The university was chartered in 1856 and has an enrollment of approximately 25,000 students. It is ranked in the top 50 of public institutions. The picturesque main campus covers 1,875 acres and includes the entire southwest quadrant of the city of Auburn.

Auburn University is an Affirmative Action/Equal Opportunity Employer. It is our policy to provide equal employment opportunities for all individuals without regard to race, sex, religion, color, national origin, age, disability, protected veteran status, genetic information, or any other classification protected by applicable law.

ETH zürich

Professor or Assistant Professor (Tenure Track) of Computational Modeling of Nanoscale Devices

→ The Department of Information Technology and Electrical Engineering (www.ee.ethz.ch) at ETH Zurich invites applications for the above-mentioned position at the full or assistant professor level.

→ The successful candidate should have an outstanding track record of accomplishments both in research and teaching within this field, with the potential to establish an exceptional research program. We are specifically, but not only, looking for applicants with a strong background in one of these areas: (i) development of multi-scale device simulation approaches ranging from the classical down to the abinitio level, (ii) search for new device functionalities through modeling, (iii) theoretical investigation of devices such as logic or memory functions for more (than) Moore applications, energy harvesting and storage technologies [batteries and supercapacitors], or advanced memory technologies. The candidate is expected to teach electrical engineering and specific courses on computational modeling on basic level. Furthermore, the new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

→ An assistant professorship promotes the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional three-year period and promotion to a permanent position.

→ Please apply online at www.facultyaffairs.ethz.ch

→ Applications should include a curriculum vitae, a list of publications, and a statement of future research and teaching interests. The letter of application should be addressed to the **President of ETH Zurich, Prof. Dr. Lino Guzzella**. The **closing date for applications is 31 December 2015**. ETH Zurich is an equal opportunity and family friendly employer and is further responsive to the needs of dual career couples. We specifically encourage women to apply.

Assistant Professor

Department of Mechanical and Aerospace Engineering



The Department of Mechanical and Aerospace Engineering (MAE) at Princeton University is conducting a broad search for two (2) tenure-track assistant professors. We welcome applications from all areas in mechanical and aerospace engineering, including but not limited to the fields of particular interest, namely, (1) robotics and (2) aerospace-related sciences and engineering. Applicants must hold a PhD in Engineering, Materials Science, Physics, or a related subject, and have a demonstrated record of excellence in research with the potential to establish an independent research program. We seek faculty members who will create a climate that embraces excellence and diversity, with a strong commitment to teaching and mentoring.

Princeton's MAE department has a long history of leadership in its core areas of Applied Physics, Dynamics and Controls, Fluid Mechanics, Materials Science, and Propulsion and Energy Sciences, with additional strength in cross-disciplinary efforts impacting areas such as biology, bio-inspired design, the environment, security, and astronautics. We seek creative and enthusiastic candidates with the background and skills to build upon and complement our existing departmental strengths and those who can lead the department into new and exciting research areas in the future.

To ensure full consideration, applications should be received by **November 15, 2015**. Applicants should submit a curriculum vitae, including a list of publications and presentations, a 3-5 page summary of research accomplishments and future plans, a 1-2 page teaching statement, and contact information for at least three references online at <http://jobs.princeton.edu>, reference number **1500603**. Personal statements that summarize leadership experience and contributions to diversity are encouraged.

Princeton University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. We welcome applications from members of all underrepresented groups. This position is subject to the University's background check policy.

Call for Assistant Professors and Professors



IST Austria invites applications for **Tenure-Track Assistant Professor** and **Tenured Professor** positions to lead independent research groups in all areas, as well as cross-disciplinary areas of

PHYSICS

Applicants in condensed matter physics, bio- and soft matter physics, chemical and atomic physics as well as cross-disciplinary areas are particularly encouraged to apply. IST Austria is in the process of building up a **new physics cluster including a micro- and nanofabrication facility** (300 m² clean room ISO classes 5-7). While at present our main focus is on experimental physics, outstanding theoreticians will be considered as well.

IST Austria is a recently founded public institution dedicated to basic research and graduate education near Vienna. Currently active fields of research include biology, neuroscience, physics, mathematics, and computer science. IST Austria is committed to become a world-class centre for basic science and will grow to about 90 research groups by 2026. The institute has an interdisciplinary campus, an international faculty and student body, as well as state-of-the-art facilities. The working language is English.

Successful candidates will be offered competitive research budgets and salaries. Faculty members are expected to apply for external research funds and participate in graduate teaching. Candidates for tenured positions must be internationally accomplished scientists in their respective fields.

DEADLINES: Open call for Professor applications. For full consideration, Assistant Professor applications should arrive on or before November 3, 2015. Application material must be submitted online: www.ist.ac.at/professor-applications

IST Austria values diversity and is committed to equal opportunity. Female researchers are especially encouraged to apply.





FACULTY POSITIONS

School of Materials Science and Engineering



The School of Materials Science and Engineering (MSE) at the Georgia Institute of Technology (GT) in Atlanta, Georgia is seeking to add tenure-track faculty in the area of polymers. Outstanding candidates with demonstrated expertise in the synthesis, structure-property characterization, theory/computational modeling, physical chemistry of polymers or biopolymers, and the ability to build a strong research program in one or more of these polymer areas will be considered. Qualified candidates must possess a PhD degree or equivalent in Materials Science and Engineering, Polymer Engineering, Polymer Science, or closely related field with a strong and clear emphasis on polymers. Applicants with exceptional records of creativity, originality, and excellence will be considered at all levels of assistant, associate, or full professor.

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 materials courses at the undergraduate and graduate levels. The School of Materials Science and Engineering has a research portfolio spanning all forms of materials including biomaterials, ceramics, composites, fibers, metals, nanostructures, polymers, and textiles, addressing societal grand challenges. 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), Renewable Bioproducts Institute (RBI), the Georgia Tech Manufacturing Institute (GTMI), the Institute of Electronics and Nanotechnology (IEN), the Strategic Energy Institute (SEI), and the Georgia Tech Polymer Network (GTPN).

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/content/faculty-positions>.

Applicants are strongly encouraged to submit their complete application package by **November 13, 2015** to ensure full consideration. The selection process will include passing a pre-employment background screening and credit check.

The Georgia Institute of Technology is an AA/EOE Employer.

TENURED OR TENURE-TRACK FACULTY POSITION

Chemical Engineering and Materials Science
University of Minnesota



The Department of Chemical Engineering and Materials Science at the University of Minnesota (www.cems.umn.edu) seeks to fill a faculty position at the Assistant (tenure-track), Associate (tenured), or Full Professor (tenured) level, commensurate with experience. Outstanding candidates with a PhD degree in any area related to materials science or chemical engineering will be considered. Candidates should have a distinguished academic and research record and a commitment to teaching in a highly interdisciplinary department.

Applications, consisting of a CV (including a list of publications), a research statement, a teaching statement, and a list of three references with contact information (including email addresses), should be submitted on-line at <https://www1.umn.edu/ohr/employment>. Click on "External Applicants" and search for job posting **303757**. Additionally, the posting can be accessed through the Department website at www.cems.umn.edu and clicking on the blue "Faculty Search" button. Review of the applications will begin immediately and continue until the position is filled. The successful candidate will be in place as early as Fall 2016.

The University of Minnesota is an equal opportunity educator and employer.

NC STATE UNIVERSITY

ASSISTANT/ASSOCIATE/ FULL PROFESSOR Department of Materials Science & Engineering

NC State University's Department of Materials Science and Engineering invites applicants for an Assistant/Associate/Full Professor position.

Requirements include a PhD in Materials Science and Engineering or a related discipline at the time of appointment. Senior candidates must have clear international standing, an exceptional record of publishing and external funding, and a demonstrated record of scientific leadership in Physical/Mechanical Metallurgy. Junior candidates must demonstrate promise towards similar achievements. All candidates must possess the ability to teach at the undergraduate and graduate levels in Materials Science & Engineering.

For consideration, please apply online at:
<https://jobs.ncsu.edu/postings/54574>

AA/EOE. In addition, NC State welcomes all persons without regard to sexual orientation or genetic information. Persons with disabilities requiring accommodations in the application and interview process please call (919) 515-3148.

POSITIONS AVAILABLE

**Saudi Basic Industries Corporation (SABIC)**

SABIC Corporate Research and Innovation Center (CRI) is the newest of the 16 SABIC R&D and application centers. It is focused on the development of disruptive technologies that differentiate SABIC in 2015 and beyond. The CRI Center, a SABIC entity, is located on the campus of King Abdullah University of Science and Technology (KAUST). The Center is situated at a unique coastal location on the eastern shore of the Red Sea near Jeddah, Saudi Arabia. SABIC CRI works closely with KAUST and other international research leading institutes to bring innovations and technical solutions to serve industry. Applications are being accepted for the following positions:

 **Advanced Materials Chief Scientist/Research Fellow**

SABIC CRI currently has a vacancy for a senior technical expert in the field of advanced materials. The individual will be responsible to develop projects, mentor an initial group of 5-10 scientists and engineers, and deliver results in the field of advanced materials. Reporting to the Director of New Materials Research, this position provides expertise in the field of advanced materials technology development to the entire center, and for SABIC as a whole. The chief scientist is expected to be a hands-on researcher with interest to develop his/her own projects in-line with the SABIC functional materials technology vision.

Resumes should be submitted to dhaval.shah@sabic.com or dhaval.shah1@americas.sabic.com no later than **October 31, 2015**.

 **Advanced Materials Staff Scientist**

SABIC CRI currently has a vacancy for a staff scientist in the field of functional materials. This position plays a very important role in providing new technologies to open new markets for SABIC material in the Functional Materials field. He/she is accountable for the execution of all Functional Materials programs. Examples of functional materials include materials for solar industry, solid state materials for energy storage and functional nanomaterials.

Resumes should be submitted to dhaval.shah@sabic.com or dhaval.shah1@americas.sabic.com no later than **October 31, 2015**.

 **Computational Materials Scientist**

SABIC CRI is looking for a high energy, technically creative Computational Materials Scientist who is seeking the opportunity to use his/her competencies and project leadership skills to solve cutting edge R&D problems with large business impact and translate these to commercial applications. This position plays a very important role in the development of novel processes and chemistries which address commercial opportunities and guide the development from lab to commercial scale. He/she is accountable for execution of all Functional Materials programs. Examples of functional materials include materials for solar industry, solid state materials for energy storage, functional nanomaterials, and catalysis.

Resumes should be addressed to JohnsonJR@sabic.com no later than **October 31, 2015**.