Academic Job Opportunities

Multiple Faculty Positions in Mechanical Engineering
Department of Mechanical Engineering
Johns Hopkins University

The Department of Mechanical Engineering in the Whiting School of Engineering at Johns Hopkins University is seeking faculty candidates at all ranks and in all areas. Particular interests are in hiring at the Assistant Professor level in the three areas of (1) Dynamic Behavior of Materials and Structures, (2) Mechanics in Biology and Biological Systems, and (3) Dynamics, Controls, and Robotics.

Mechanical Engineering – Dynamic Behavior of Materials and Structures
The Department of Mechanical Engineering, Johns Hopkins University, invites applications for a tenure-track assistant professor position in the area of dynamic behavior of materials and structures. Areas of particular interest include, but are not limited to, high strain rate, impact dynamics, wave propagation and shocks. Preference will be given to applicants at the assistant professor level, but exceptionally qualified candidates at all ranks will be considered.

The successful candidate for this position will have a primary appointment in the Department of Mechanical Engineering and be an integral member of the Hopkins Extreme Materials Institute (hemi.jhu.edu), a multidivisional institute devoted to advancing the fundamental science associated with materials and structures under extreme conditions.

The successful candidate must have an earned doctorate in mechanical engineering or related fields, and is expected to establish a strong, independent, internationally recognized research program as well as contribute fully to both undergraduate and graduate instruction. The candidate will continue a strong tradition of excellence in Mechanics and Materials at Johns Hopkins.

All applications should be submitted electronically to https://academicjobsonline.org/ajo/jobs/4948. The application should include a brief cover letter describing the principal expertise and accomplishments of the applicant, a curriculum vita, 1 page teaching statement, 2-3 page statement of research including research directions and future plans, and two representative journal publications. Candidates applying for the position of Assistant Professor should enter names and contact information of at least three (3) references. Candidates applying for associate or full professor positions should not provide any information for references. The application package should be received by January 16, 2015 to ensure full consideration but applications will be accepted until the position is filled. Questions can be addressed to Professor K.T. Ramesh (ramesh@jhu.edu). Johns Hopkins University is committed to building a diverse environment; women and minorities are strongly encouraged to apply. The Johns Hopkins University is an EEO/AA employer.

Mechanical Engineering – Mechanics in Biology and Biological Systems
The Department of Mechanical Engineering, Johns Hopkins University, invites applications for a full-time tenure-track faculty position in the general area of mechanics in biology, with emphasis on translational aspects of biomechanics in health and disease. Current strength of the department include fundamental aspects of cell, tissue and organismal biomechanics, bioinstrumentation and bioinspired engineering. We seek individuals that complement these areas, and can leverage fundamental knowledge into translational applications. Johns Hopkins University offers world-class research and teaching environment in biological and medical sciences with extensive interaction opportunities in the Johns Hopkins School of Medicine, Bloomberg School of Public Health and Krieger School of Arts and Sciences. Collaborative opportunities also exist with the Institute of NanoBioTechnology, Whitaker Biomedical Engineering Institute, Johns Hopkins Engineering Science in Oncology Center, Center of Cancer Nanotechnology Excellence, and Institute for Computational Medicine. Preference will be given to applicants at the assistant professor level, but exceptionally qualified candidates at all ranks will be considered. The successful candidate must have a doctorate, and is expected to establish a
strong, independent, internationally recognized research program as well as contribute fully to both
undergraduate and graduate instruction.

All applications should be submitted electronically to https://academicjobsonline.org/ajo/jobs/5056. The
application should include a brief cover letter describing the principal expertise and accomplishments of the
applicant, a curriculum vita, 1 page teaching statement, 2-3 page statement of research including research
directions and future plans, and two representative journal publications. Candidates applying for the position of
Assistant Professor should enter names and contact information of at least three (3) references. Candidates
applying for associate or full professor positions should not provide any information for references. The
application package should be received by January 16, 2015 to ensure full consideration but applications will be
accepted until the position is filled. Questions can be addressed to Professor Jeff Wang (thwang@jhu.edu).

Johns Hopkins University is committed to building a diverse environment; women and minorities are strongly
couraged to apply. The Johns Hopkins University is an EEO/AA employer.

Mechanical Engineering – Dynamics, Controls, and Robotics

The Department of Mechanical Engineering, Johns Hopkins University, invites applications for a full-time
tenure-track faculty. The successful applicant is expected to conduct fundamental research in the area of
Dynamics, Controls, and Robotics. Applications areas of interest include, but are not limited to, the following:
robotics; biological, neural and medical systems; energy and power systems; networks and cyber-physical
systems; smart materials and MEMS; hybrid systems; quantum control; stochastic control; filtering and
estimation; and design for controllability. Preference will be given to applicants at the assistant professor level,
but exceptionally qualified candidates at all ranks will be considered.

Opportunities for interactions across the University include Transdisciplinary Centers and Institutes: the
Laboratory for Computational Sensing and Robotics, and the Institute for NanoBio Technology; the
Environment, Energy, Sustainability and Health Institute; the Systems Institute. Departments: Computer
Science, Electrical and Computer Engineering, Biology, Neuroscience; and Divisions across Johns Hopkins:
Applied Physics Laboratory, Medical Institutions, Krieger School of Arts and Sciences, and Bloomberg School
of Public Health.

The successful candidate must have a doctorate and is expected to establish a strong, independent,
internationally recognized research program as well as contribute fully to both undergraduate and graduate
instruction.

All applications should be submitted electronically to https://academicjobsonline.org/ajo/jobs/5057. The
application should include a brief cover letter describing the principal expertise and accomplishments of the
applicant, a curriculum vita, 1 page teaching statement, 2-3 page statement of research including research
directions and future plans, and two representative journal publications. Candidates applying for the position of
Assistant Professor should enter names and contact information of at least three (3) references. Candidates
applying for associate or full professor positions should not provide any information for references. The
application package should be received by January 16, 2015 to ensure full consideration but applications will be
accepted until the position is filled. Questions can be addressed to Professor Noah Cowan (ncowan@jhu.edu).

Johns Hopkins University is committed to building a diverse environment; women and minorities are strongly
couraged to apply. The Johns Hopkins University is an EEO/AA employer.

Tenure/Tenure Track Faculty Positions

The Fulton Schools of Engineering at Arizona State University has openings for tenure/tenure track faculty
positions to support a broad initiative in advanced manufacturing.

Areas of interest include, but are not limited to:

- product design strategies for additive manufacturing systems
- modeling of advanced manufacturing systems and processes

Additional information can be found at https://academicjobsonline.org/ajo/jobs/5055.
• non-destructive testing-manufacturing integration
• hybrid additive-subtractive manufacturing process integration
• automation strategies and technologies for hybrid manufacturing
• scalable manufacturing at the limits of size, temperatures, and material properties

Review of applications will begin on November 22, 2014

For more information, see the complete posting online at: http://engineering.asu.edu/hiring/polytechnic-school/advanced-manufacturing-systems/

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UCLA Tenure Track Faculty Positions Announcement

The Mechanical and Aerospace Engineering Department is accepting applications to fill two full-time tenure track faculty positions at the Assistant Professor level in Mechanical and Aerospace Engineering Department. Exceptional candidates at the Associate or Full Professor level will also be considered.

The first position (Tracking #JPF00557) is in Aerospace Engineering. Candidates should have demonstrated technical strength and research focus in the fundamentals that underlie advanced aeronautical and/or space systems. Candidates whose technical interests overlap with those in Southern California’s extensive aerospace community are of particular interest. Please apply by submitting your materials via our online application site, https://recruit.apo.ucla.edu/apply/JPF00557.

The second position (Tracking #JPF00585) is in Distributed Transductions for Mechanical Systems. Areas of interest include but are not limited to: distributed sensing and actuation that empower mechanical systems such as robots and wearable devices; adaptive transducers capable of changing bulk or surface properties; transduction network with local intelligence to reduce the signal bandwidth requirements; and emerging manufacturing technologies for such transducers. Please apply by submitting your materials via our online application site, https://recruit.apo.ucla.edu/apply/JPF00585.

Applicants must hold a doctoral degree in engineering or a closely related discipline. The successful candidate will be responsible for teaching undergraduate and graduate courses and for developing a strong externally sponsored research program. We are interested in outstanding candidates who are committed to excellence in teaching and scholarship and to a diverse campus climate. The University of California is an affirmative action/equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination & Affirmative Action Policy.

Applications will be accepted online while the submission site is open until June 15, 2015. The evaluation of applications will be rolling. The first evaluation will be conducted on applications submitted by January 5, 2015 and interviews of selected candidates will start thereafter. Do not send hard copies, as they will not be processed or returned.
The Department of Mechanical Engineering at the University of Minnesota-Twin Cities invites applications to fill multiple tenure-track or tenured faculty positions starting in Fall 2015. Applicants at all ranks will be considered including mid-career. Applicants must hold a Ph.D., or expect to complete their degree before Fall 2015, in Mechanical Engineering or a closely related discipline. Senior applicants should have an outstanding track record of research and teaching accomplishments.

We seek candidates with an interest in building strong research programs, teaching, and service activities in: (1) Heat Transfer and (2) Robotics, Sensors, and Advanced Manufacturing. The latter position is an investment called Minnesota Discovery, Research and InnoVation Economy (MnDRIVE) which is a landmark partnership between the university and the state of Minnesota (see http://cse.umn.edu/mndrive for more information).

The candidate’s engineering expertise and documented research activities must demonstrate a strong potential toward enhancing both the Department’s research and the undergraduate and graduate teaching missions. Successful candidates are expected to build strong, externally-funded, highly-visible research programs and to become recognized leaders in their field. Information on the current research activities of the department can be found at http://www.me.umn.edu/research/.

The University of Minnesota is located in the heart of the vibrant Minneapolis-St. Paul metropolitan area, which is consistently rated as one of America’s best places to live and is home to many leading companies. Additional information and application instructions can be found at http://www.me.umn.edu. To assure full consideration, applications should be received by January 1, 2015, but they will continue to be accepted until the positions are filled. Underrepresented minority and women applicants are strongly encouraged to apply.

The University of Minnesota shall provide equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression.
Multiple Tenure-Track Faculty Positions in Materials Science

The School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University invites applications for multiple tenure-track positions in Materials Science. Applicants must hold a doctorate in a relevant field, and candidates with exceptional track records will also be considered at ranks commensurate with their experience.

These faculty positions will support the educational mission of the School’s undergraduate and graduate programs as well as OSU’s interdisciplinary M.S. and Ph.D. programs in Materials Science. Additionally, successful candidates will support the School’s research thread in next-generation materials by complementing or building on existing focus areas in electronic ceramics, thin film integration science, biomaterials, and materials for extreme environments. Special consideration will be given to candidates with expertise in one or more of the following areas: multi-scale computational materials science, electron microscopy, corrosion, and new materials development in the above focus areas; however, exceptional candidates in all areas of materials science will be considered.

Successful candidates will be expected to initiate new extramurally funded research as well as to expand, complement, and collaborate with existing research programs in the School, the OSU College of Engineering, the OSU Materials Science community, and beyond. Faculty collaboration opportunities include, but are not limited to, Oregon Nanoscience and Microtechnologies Institute (ONAMI), Oregon Built Environment & Sustainable Technologies Center (OregonBEST), Materials Synthesis and Characterization Facility (MaSC), Microporproducts Breakthrough Institute (MBI), Northwest National Marine Renewable Energy Center (NNMREC), and the Oregon Metals Initiative (OMI). In view of our aspirations and the nature of this opportunity, we seek candidates who are ardent discoverers, passionate teachers and mentors, committed stewards to their discipline and proven collaborators.

Oregon State University has a strong institutional commitment to the principle of diversity. The College of Engineering ranks high nationally in terms of the percentage of female faculty. The University has an institution-wide commitment to diversity and multiculturalism, and provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups.

Oregon State University is located in Corvallis, OR with approximately 28,000 students enrolled while the College of Engineering is the largest college with nearly 7,000 students. Within the School of MIME, there are undergraduate programs in industrial, energy systems, manufacturing and mechanical engineering. Additionally, OSU has a strong and vibrant interdisciplinary graduate program in Materials Science that spans across five colleges and currently serves >50 graduate students.

View the full position announcement at http://mime.oregonstate.edu/jobs/. Apply online with a letter of interest; curriculum vitae; a two-page statement of research interests; a two-page statement of teaching interests; and names and contact information for four references.

For questions regarding submission of your application package, please contact Ms. Phyllis Helvie at (541) 737-5237 or phyllis.helvie@oregonstate.edu, School of Mechanical, Industrial, and Manufacturing Engineering, 204, Rogers Hall, Corvallis, OR 97331.

For full consideration, please apply by 15-December-2014.

OSU is an Affirmative Action/Equal Opportunity Employer and has a policy of being responsive to the needs of dual-career couples.
FACULTY POSITION IN ENERGY SYSTEMS

The School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University (OSU) invites applications for a tenure-track faculty position(s) within the broad area of energy systems. In particular, at least one position is sought in the area of renewable energy and/or energy sustainability. Applicants must hold a doctorate in a relevant field. The successful candidates are expected to initiate new funded research as well as expand, complement, and collaborate with existing research programs in the School, in the College of Engineering, and beyond.

The School has existing research threads in human-centered design, advanced manufacturing, robotics, energy conversion, renewable energy systems, and next-generation materials that cut across the school’s disciplines of mechanical, industrial, manufacturing and energy systems engineering. Preference will be given to candidates with strong research interests in energy conversion, renewable energy and energy sustainability and teaching ability in energy use and its development.

Faculty collaboration opportunities include, but are not limited to ONAMI (Oregon Nanoscience and Microtechnologies Institute), Oregon BEST (Built Environment & Sustainable Technologies Center), MBI (Microproducts Breakthrough Institute), NNMREC (Northwest National Marine Renewable Energy Center), OMI (Oregon Metals Initiative) and others.

Exceptionally strong candidates at all levels (Assistant, Associate, Full) are encouraged to apply. Applicants should demonstrate a strong commitment to collaboration within the School, University, and abroad.

Oregon State University has a strong institutional commitment to the principle of diversity. The College of Engineering ranks high nationally in terms of the percentage of female faculty. The University has an institution-wide commitment to diversity and multiculturalism, and provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups.

Oregon State University is located in Corvallis, OR with approximately 26,000 students enrolled. The College of Engineering is the largest college with over 6,500 students. Within the School of MIME, there are over 1800 students across the industrial, energy systems, manufacturing and mechanical engineering and material science programs.

View the full position announcement at http://mime.oregonstate.edu/jobs/. Apply online with a letter of interest; vita; a two-page statement of research interests; a one-page statement of teaching interests; and names and contact information for four references.

For questions regarding submission of your application package, please contact Ms. Phyllis Helvie at (541) 737-5237 or phyllis.helvie@oregonstate.edu, School of Mechanical, Industrial, and Manufacturing Engineering, 204, Rogers Hall, Corvallis, OR 97331.

For full consideration, please apply by December 15, 2014.

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Tenure-Track Faculty Position in Design

The School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University (OSU) invites applications for a tenure-track faculty position within the area of mechanical and industrial design. Applicants must hold a doctorate in a relevant field. The successful candidates are expected to initiate new funded research as well as expand, complement, and collaborate with existing research programs in the Design area, in the School, in the College of Engineering, and beyond.

The School has existing research threads in human-centered design, advanced manufacturing, robotics, renewable energy systems, and next-generation materials that cut across the school’s disciplines of mechanical, industrial, manufacturing and energy systems engineering. Preference will be given to candidates with strong research interests in the above research threads and teaching ability in the design-related courses.

Faculty collaboration opportunities include, but are not limited to, the School of Design and Human Environment (in the College of Business), ONAMI (Oregon Nanoscience and Microtechnologies Institute), Oregon BEST (Built Environment & Sustainable Technologies Center), MBI (Microproducts Breakthrough Institute), NNMREC (Northwest National Marine Renewable Energy Center), OMI (Oregon Metals Initiative) and others.

Exceptionally strong candidates at all levels (Assistant, Associate, Full) are encouraged to apply. Applicants should demonstrate a strong commitment to collaboration within the School, University, and abroad.

Oregon State University has a strong institutional commitment to the principle of diversity. The College of Engineering ranks high nationally in terms of the percentage of female faculty. The University has an institution-wide commitment to diversity and multiculturalism, and provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups.

Oregon State University is located in Corvallis, OR with approximately 26,000 students enrolled. The College of Engineering is the largest college over 6,500 students. Within the School of MIME, there are over 1800 students across the industrial, energy systems, manufacturing and mechanical engineering programs.

View the full position announcement at http://mime.oregonstate.edu/jobs/. Apply online with a letter of interest; vita; a two-page statement of research interests; a one-page statement of teaching interests; and names and contact information for four references.

For questions regarding submission of your application package, please contact Ms. Phyllis Helvie at (541) 737-5237 or phyllis.helvie@oregonstate.edu, School of Mechanical, Industrial, and Manufacturing Engineering, 204, Rogers Hall, Corvallis, OR 97331.

For full consideration, please apply by December 15, 2014.

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Oregon State University
College of Engineering
School of Mechanical, Industrial, and Manufacturing Engineering
Faculty Positions in Mechanical Engineering

The University of Nevada, Reno, Mechanical Engineering Department (http://www.unr.edu/me), is hiring six tenure-track faculty positions. Five positions at the Assistant Professor level are open to applicants in any area of Mechanical Engineering, with particular emphasis on Advanced Manufacturing, Thermal Science, and/or Computational Mechanics (e.g., fluid/solid interaction, multi-physics). Another position, to be filled at the Assistant or Associate level, is open to applicants with appropriate qualifications in the area of Autonomous Systems. Candidates for all positions are expected to develop independent, nationally-recognized and externally-funded scholarly research programs and to become active in professional service. They will teach existing courses and develop new innovative undergraduate and graduate courses. Candidates must hold earned doctorates in Mechanical Engineering or closely related fields. The positions will be available July 1, 2015. Full consideration will be given to candidates who apply by January 12, 2015. Salaries, benefits and start-up packages will be highly competitive.

To apply, please use the following link: https://www.unrisearch.com/postings/16499.

Mechanical Engineering has 11 tenure/tenure-track faculty members and is one of five departments in the College of Engineering. The Department has growing undergraduate and graduate programs, consisting of approximately 700 undergraduates and 40 graduate students, and access to modern laboratory facilities that support a diverse set of research, education and service programs. In the past five years, three junior faculty in the Department have received prestigious NSF CAREER awards. The department has averaged approximately $2 million in annual research expenditures over the last ten years.

About the University

The University of Nevada, Reno is recognized as a National Tier 1 University by U.S. News and World Report. The University has more than 60 research centers and facilities, and dozens of state-of-the-art laboratories. Over the past decade, our research enterprise has tripled its sponsored grants and contracts total.

Our beautiful campus is located in Reno, Nevada, nestled in the foothills of the Sierra Nevada mountains and just 30 minutes away from Lake Tahoe. Reno is a city of 400,000 with a high quality of life, an affordable cost of living and a growing community of tech start-ups and industries. We're also less than a four-hour drive from the San Francisco Bay area.

EEO/AA Policy: The University of Nevada, Reno, is an Equal Employment Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, or sexual orientation in any program of activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.
TENURED OR TENURE-TRACK FACULTY POSITION: The Department of Aerospace Engineering at Iowa State University ([www.aere.iastate.edu](http://www.aere.iastate.edu)) invites applicants for a faculty position in the areas of nondestructive evaluation and engineering mechanics. The search is focused on the Associate Professor level, however, exceptional candidates at the rank of Assistant or Full Professor may also be considered. We seek outstanding individuals with strong interest in the broad areas of nondestructive evaluation and engineering mechanics. Areas of interest include, but are not limited to: theoretical and experimental studies applied to ultrasonics, nondestructive evaluation (NDE), and NDE for advanced materials throughout a product life cycle including during advanced manufacturing.

The successful applicant will participate in the missions of the department and the Center for Nondestructive Evaluation (CNDE) ([www.cnde.iastate.edu](http://www.cnde.iastate.edu)) including developing a strong externally funded research program, teaching and supervising students at the undergraduate and graduate levels, and participation in service to the university. Additionally, the successful applicant must be eligible to work on export controlled projects.

An earned Ph.D. or equivalent terminal degree in Aerospace Engineering or a closely related field is required at the start date of employment. Underrepresented minorities and women are strongly encouraged to apply. Candidates at the level of Associate or Full Professor must demonstrate a strong record as evidenced by a quality research program, publications, professional recognitions, and scholarly impact.

The Aerospace Engineering Department currently has 38 faculty and is housed in a $50 million state-of-the-art teaching and research complex. CNDE was established in 1985 as a NSF Industry/University Cooperative Research Center. It is a premier US research organization for the development and application of inspection and sensing technologies. The center is housed in 52,000 sq. facility with over $7.5M in state-of-the-art research instrumentation. The College of Engineering comprises 8 departments, with 235 faculty members and annual research expenditures exceeding $83 million.

Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), and ranked by U.S. News and World Report as one of the top public universities in the nation. Over 34,000 students are enrolled, and served by over 6,100 faculty and staff (see [www.iastate.edu](http://www.iastate.edu)). Ames, Iowa is a progressive community of 60,000, located approximately 30 minutes north of Des Moines, and recently voted second best most livable small city in the nation ([www.amescvb.com](http://www.amescvb.com)).

All interested, qualified persons should apply for this position online by visiting [www.iastatejobs.com](http://www.iastatejobs.com). Please refer to vacancy # 400034. Please be prepared to enter or attach the following:

1. Cover Letter
2. Curriculum Vitae
3. Reference Contact Information
4. Statement of Teaching and/or Research Interests

Interested candidates are encouraged to apply early. To ensure full consideration, applications must be received by December 31, 2014. Review of applications after this date will continue until the position is filled. All offers of employment, oral and written, are contingent upon the university’s verification of credentials and other information required by federal and state law, ISU policies/procedures, and may include the completion of a background check.

If you have questions regarding this application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485.

*Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status, and will not be discriminated against. Inquiries can be directed to the Director of Equal Opportunity, 3350 Beardshear Hall, (515) 294-7612.*
Vacancy Announcement
University of Idaho
Assistant Professor, Department of Mechanical Engineering

The Department of Mechanical Engineering at the University of Idaho is pleased to invite applications for a tenure-track faculty position in the thermal-fluid sciences at the Assistant Professor rank starting in August 2015. Candidates with an interdisciplinary background in thermal energy systems and a collaborative research interest in emerging research areas including, but not limited to, integrated/sustainable building energy systems, thermal energy storage, or renewable energy systems are sought. The successful candidate will teach undergraduate and graduate courses in the general thermal-fluids area such as fluid mechanics, thermodynamics, heat transfer, thermal energy systems, and related technical electives. In order to teach courses containing design content, the successful candidate will be required to obtain a professional engineering license from the state of Idaho within five years of employment.

Minimum qualifications include an earned doctorate in mechanical engineering, evidence of experience in teaching at the undergraduate and/or graduate levels, good written communication skill, and be a registered professional engineer (PE) or obtain PE license within five years of employment.

Preferred qualifications include the ability to communicate a well-defined teaching philosophy and plan, the ability to communicate a well-defined research agenda, and evidence of potential ability to secure external grants.

The University of Idaho was founded in 1889 as a land-grant institution and is the primary research and Ph.D. institution in the state of Idaho. The Department of Mechanical Engineering, http://www.uidaho.edu/engr/ME/, offers BS, MS and Ph.D. degrees and is one of 13 academic programs in the College of Engineering. The department has 15 full-time faculty, 464 undergraduate students and 56 graduate students and is accredited by ABET.

The University of Idaho is located in Moscow, Idaho with a population of 21,000 in the panhandle of northern Idaho. The area provides an outstanding quality of life. Moscow is close to wilderness experiences in the mountains and on the rivers and offers easily-accessed outdoor recreation areas. Moscow is eight miles from Washington State University in Pullman, Washington, and 90 miles south of Spokane, Washington.

Applicants must apply online by clicking the "Apply online" icon at http://www.uidaho.edu/human-resources/jobs. Applicants must include a letter of application, a narrative describing their teaching and research plans, curriculum vitae, and contact information for at least three professional references. Review of applications will begin January 19, 2015 and will continue until the position is filled. The University of Idaho is an equal opportunity and affirmative action employer. It is the policy of the regents that equal opportunity be afforded in education and employment to qualified persons regardless of race, color, national origin, religion, sex, age, disability, or status as a disabled veteran or Vietnam-era veteran. It is also the policy of the University of Idaho to not discriminate based on sexual orientation.
FACULTY POSITION

Department of Mechanical Engineering
Oakland University
Rochester, Michigan

The Department of Mechanical Engineering at Oakland University invites applications for a tenure track position at the Assistant Professor level, in the area of thermo-fluids. The appointment would be effective August 2015.

We seek applicants with research and teaching interests relevant to traditional and emerging areas of mechanical engineering in the thermo-fluids area. Areas of interest to the department include but are not limited to vehicle propulsion systems and clean energy systems. Successful candidates will be expected to develop an externally funded research program that includes fundamental and/or applied research. The candidate should be able to teach and develop courses at both the undergraduate and graduate levels. An earned doctorate in Mechanical Engineering or a closely related field is required with a recent history or strong potential of external funding and successful teaching abilities in related courses.

The Mechanical Engineering Department has 17 full time faculty members who are dedicated to excellence in research, teaching and service. The department hosts four centers: Chrysler Learning and Innovation Center for Sheet Metal Forming, Fastening and Joining Research Institute, Automotive Tribology Center and the Clean Energy Research Center all of which are active in research. Oakland University is a state-supported institution of 20,000 students situated in southeastern Michigan on a beautiful 1,600-acre campus 25 miles north of Detroit (Michigan). The university is located at the intellectual center of the Automotive Industry and the surrounding area offers many social, cultural and recreational activities.

Applicants should submit a cover letter, curriculum vitae, the names and contact information of three references and statements of research and teaching interests to http://jobs.oakland.edu/postings/3027. Review of applications will begin on December 1, 2014 and will continue until the position is filled. Questions can be sent to the search committee chair, Professor Brian Sangeorzan, bsangeor@oakland.edu.

Oakland University is a recipient of an NSF grant toward the advancement of women and underrepresented minorities in STEM fields and encourages applications from women and minorities. Oakland University is an equal opportunity employer.
The Department of Mechanical Engineering at Mississippi State University invites applications for a tenure-track faculty position in the Thermal-Fluid Sciences. The applicant’s research should complement the related research expertise in the Department, which includes combustion engines, computational fluid dynamics, energy systems design, and thermal management. It is anticipated that the initial appointments will be made at the rank of Assistant Professor, although a higher rank may be considered for candidates with exceptional background and experience.

Applicants should have teaching and research interests in the general area of thermal-fluid science. It is expected that the successful candidate will have the desire and ability to teach courses at the undergraduate level in the thermal science area, including a capstone course with project activity, and courses at the graduate level related to areas of research interest. The Mechanical Engineering department has strong ties with the HPC Center for Advanced Vehicular Systems (CAVS, http://www.hpc.msstate.edu/, http://www.cavs.msstate.edu/) and the Energy Institute (http://www.ei.msstate.edu/). The Department of Mechanical Engineering is one of eight academic departments in the Bagley College of Engineering. The Department offers an ABET-accredited undergraduate program in mechanical engineering, as well as graduate studies leading to MS and PhD degrees. The Department has approximately 770 undergraduates, 80 graduate students, 17 tenure-track faculty members, and two instructors. Annual research expenditures for the department are approximately 13 million dollars. Faculty members play a vital role in several college and university research centers (http://www.me.msstate.edu/) and have developed strong research programs in the areas of computational engineering, energy systems design, materials science and engineering, and solid mechanics.

Interested candidates must apply on-line at https://www.jobs.msstate.edu (PARF # 8519). An earned doctorate in mechanical engineering or a closely aligned field (ABD’s will be considered) is required. Candidates are expected to have demonstrated the ability to conduct research at the highest level, and to have a record of, or the promise for, outstanding teaching and supervision of students. Applicant should submit a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement that describes research and educational interests (limited to three pages). Candidates must also complete the on-line Personal Data Information Form. Application review will begin on December 15, 2014 and will continue until the position is filled. MSU is an affirmative action/equal opportunity employer.

For further information contact:

Dr. Dave Marcum, Search Committee Chair; tfs_search@me.msstate.edu

We are 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.

Females and Minorities are encouraged to apply.
Multiple Tenure-Track Faculty Positions in Materials Science

The School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University invites applications for multiple tenure-track positions in Materials Science. Applicants must hold a doctorate in a relevant field, and candidates with exceptional track records will also be considered at ranks commensurate with their experience.

These faculty positions will support the educational mission of the School’s undergraduate and graduate programs as well as OSU’s interdisciplinary M.S. and Ph.D. programs in Materials Science. Additionally, successful candidates will support the School’s research thread in next-generation materials by complementing or building on existing focus areas in electronic ceramics, thin film integration science, biomaterials, and materials for extreme environments. Special consideration will be given to candidates with expertise in one or more of the following areas: multi-scale computational materials science, electron microscopy, corrosion, and new materials development in the above focus areas; however, exceptional candidates in all areas of materials science will be considered.

Successful candidates will be expected to initiate new extramurally funded research as well as to expand, complement, and collaborate with existing research programs in the School, the OSU College of Engineering, the OSU Materials Science community, and beyond. Faculty collaboration opportunities include, but are not limited to, Oregon Nanoscience and Microtechnologies Institute (ONAMI), Oregon Built Environment & Sustainable Technologies Center (OregonBEST), Materials Synthesis and Characterization Facility (MaSC), Microporoducts Breakthrough Institute (MBI), Northwest National Marine Renewable Energy Center (NNMREC), and the Oregon Metals Initiative (OMI). In view of our aspirations and the nature of this opportunity, we seek candidates who are ardent discoverers, passionate teachers and mentors, committed stewards to their discipline and proven collaborators.

Oregon State University has a strong institutional commitment to the principle of diversity. The College of Engineering ranks high nationally in terms of the percentage of female faculty. The University has an institution-wide commitment to diversity and multiculturalism, and provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups.

Oregon State University is located in Corvallis, OR with approximately 28,000 students enrolled while the College of Engineering is the largest college with nearly 7,000 students. Within the School of MIME, there are undergraduate programs in industrial, energy systems, manufacturing and mechanical engineering. Additionally, OSU has a strong and vibrant interdisciplinary graduate program in Materials Science that spans across five colleges and currently serves >50 graduate students.

View the full position announcement at http://mime.oregonstate.edu/jobs/. Apply online with a letter of interest; curriculum vitae; a two-page statement of research interests; a two-page statement of teaching interests; and names and contact information for four references.

For questions regarding submission of your application package, please contact Ms. Phyllis Helvie at (541) 737-5237 or phyllis.helvie@oregonstate.edu, School of Mechanical, Industrial, and Manufacturing Engineering, 204, Rogers Hall, Corvallis, OR 97331.

For full consideration, please apply by 15-December-2014.

*OSU is an Affirmative Action/Equal Opportunity Employer and has a policy of being responsive to the needs of dual-career couples.*
University of Memphis, Herff College of Engineering
Faculty positions in Mechanical Engineering Department

The Department of Mechanical Engineering at The University of Memphis invites applications for the position of tenure track Assistant/Associate Professor beginning August 2015. Position at higher rank will be considered for exceptionally qualified candidates. Duties include teaching undergraduate and graduate courses, externally--funded research, supervising graduate students and providing professional service. Candidates at the Assistant/Associate Professor rank are expected to demonstrate the potential to develop a visible nationally recognized and externally--funded research program. Required qualifications are a PhD in Mechanical Engineering or closely related field. While candidates in all areas related to Mechanical Engineering will be considered, the department is especially interested in candidates with demonstrated expertise in the areas of (1) advanced manufacturing and materials, and (2) energy including generation, harvesting and storage. Candidates are expected to collaborate on multi--disciplinary research.

The Herff College of Engineering at The University of Memphis is in a growth phase, and several hires are expected in the Mechanical Engineering department over the next few years. Additional information about the college and the department can be found at http://www.memphis.edu/herff. The University of Memphis is the largest engineering program in western Tennessee. Memphis is home to three Fortune 500 companies and has a strong presence in biomedical, transportation, automotive and entertainment industries.

Salary will be competitive and the University also provides a comprehensive benefits package that includes choices for health, retirement, and long-- and short---term disability, and a research incentive compensation program. Information about most of these programs is available at www.memphis.edu.

Applications are to be submitted via https://workforum.memphis.edu. Click on the faculty box to find the posting for the Assistant/Associate Professor position in mechanical engineering (https://workforum.memphis.edu/postings/8038). Applications must include a research and teaching plan, a comprehensive curriculum vitae, and the full names and contact information (the address, phone number, and email address) of five professional references. The committee will begin screening applications on January 12, 2015 and will continue until the position is filled.

A Tennessee Board of Reagents Institution
An Equal Opportunity-Affirmative Action University
The Department of Mechanical Engineering at Clemson University invites applicants for multiple tenure-track faculty positions at all ranks, to begin Fall 2015. Candidates in all areas related to Mechanical Engineering will be considered with preference given to: (1) experimental solid mechanics with emphasis on engineered, modern materials including metal and polymeric composites, (2) design, manufacturing, and product development involving engineered materials, and (3) novel manufacturing processes including, but not limited to, additive manufacturing for lightweight metals, polymeric composites and biological materials. Our Department and the College of Engineering and Science are committed to fostering interdisciplinary research that can address grand challenges facing our society and innovate through a balance of fundamental and translational research. Collaboration with entities outside engineering is also highly encouraged.

Candidates must possess a Ph.D. degree in Mechanical Engineering or a closely related field with potential to develop an internationally recognized, interdisciplinary research program and to actively contribute to core graduate and undergraduate teaching missions of the Department. Applications from women, members of underrepresented minority groups, veterans, and persons with disabilities will be particularly welcomed.

The Department currently has 29 tenure-track or tenured faculty members actively involved in research, teaching, and service endeavors. The Department has produced 9 NSF CAREER award winners. The Department is housed in a modern research and education facility and has an enrollment of approximately 800 undergraduate and 200 graduate students. Clemson University is a public, land-grant institution currently ranked by U.S. News and World Report as 20th among national public universities. The university maintains a high-performance computing cluster; ranked 15th among academic research clusters, and a state-of-the-art electron microscopy laboratory. The campus is within driving distance to major metropolitan areas such as Greenville, SC, Atlanta, GA and Charlotte, NC.

Applicants should submit a cover letter, curriculum vita, list of four references, and statements of research interests and teaching philosophy (maximum two pages each). The application package should be submitted as a single PDF file attached to an email message and sent to the address below.

Dr. Gang Li, Chair, Faculty Search Committee
100 Fluor Daniel Engineering Innovation Building
Department of Mechanical Engineering
Clemson University, Clemson, SC 29634-0921
ME_SEARCH@clemson.edu

Applications received before December 1, 2014 will be given full consideration, however, the search will continue until the positions are filled. Additional departmental information is available at:
http://www.clemson.edu/ces/me/

Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty committed to working in a multicultural environment and encourages applications from minorities and women.
Assistant Professor Position in Innovative Manufacturing and Design

Department of Mechanical Engineering (MCE)

The Department of Mechanical Engineering at Cleveland State University invites applications for an Assistant Professor position in the area of Innovative Manufacturing and Design, to begin in August of 2015. Applicants should possess a Ph.D. in Mechanical Engineering or a related field. We particularly seek candidates with strong backgrounds and research interests related to smart and innovative manufacturing techniques and design. Specialties may include but are not limited to Additive Manufacturing, Biomedical Devices, Nano Scale Fabrication of Structures and Devices, and Smart Factory Automation and Control Systems. A successful candidate is expected to build a strong, externally-funded research program, and enhance the College's Center for Innovative Manufacturing.

The successful candidate is also expected to have a marked interest in teaching both undergraduate and graduate students. The department has a student body of over 300 undergraduates and 80 graduate students. Current research areas include: Additive Manufacturing, Thermo-Fluid, Combustion Engineering, Human Motion and Control, Mechatronics, Nano Composite Metals, Robotics, Rotor Dynamics. We expect faculty to engage students at all levels in their research.

The Department of Mechanical Engineering has a long tradition of engagement with local industrial and government partners. North Eastern Ohio has traditionally been, and continues to be, a manufacturing center. The Cleveland Metropolitan area is home to many fortune 500 Companies - such as Parker Hannifin, Eaton, Materion, Ferro, Rockwell Automation - along with the NASA-Glenn Research Center.

For full consideration, candidates must submit a cover letter, curriculum vitae (including names of at least three professional references), a statement of interests in teaching, and a research plan through the Human Resources website: http://hrjobs.csuohio.edu/applicants/Central?quickFind=53483. Review of applications will begin November 3, 2014.

About Washkewicz College of Engineering:

Washkewicz College of Engineering traces its roots back to 1923 as Fenn College and has since maintained its reputation for excellence in engineering education and research. The College consists of the departments of Chemical & Biomedical Engineering, Civil & Environmental Engineering, Electrical & Computer Engineering, Engineering Technology and Mechanical Engineering and offers B.S., M.S. and Doctor of Engineering degrees. Previously known as Fenn College of Engineering, the college was renamed in 2013 to Washkewicz College of Engineering in honor of the transformative gift form Donald and Pamela Washkewicz and the Parker Hannifin Foundation.

Offer of employment is contingent on satisfactory completion of the University's verification of credentials and other information required by law and/or University policies or practices, including but not limited to a criminal background check. Hiring is contingent on maintaining existing levels of funding from the state of Ohio.
Faculty Opening

STANFORD UNIVERSITY

DEPARTMENT OF AERONAUTICS AND ASTRONAUTICS

The Department of Aeronautics and Astronautics at Stanford University invites applications for a tenure-track faculty position at the Assistant or untenured Associate Professor level.

We are seeking exceptional applicants who will develop a world-class research program and innovative courses at the frontier of areas such as aerospace structures and materials, autonomous systems, aviation and the environment, control and navigation, propulsion, space systems engineering, and system simulation and design. This is a broad-area search. We will place higher priority on the impact, originality, and promise of the candidate’s work than on the particular sub-area of specialization within Aeronautics and Astronautics. Evidence of the ability to pursue a program of innovative research and a strong commitment to graduate and undergraduate teaching is required. The successful candidate will be expected to teach courses at the graduate and undergraduate levels, and to build and lead a team of graduate students in Ph.D. research.

Applicants should include a cover letter, their curriculum vitae, a list of publications, a one- to two-page statement of research vision, a one- to two-page statement of teaching interests, and the names of five potential references. Please submit these materials as a single PDF file labeled "AA_Search_LastName_FirstName.pdf" to aasearch@lists.stanford.edu. For additional information, please contact Professor Brian Cantwell (cantwell@stanford.edu). Applications will be accepted until the position is filled; however the review of applications will begin on January 5, 2015.

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.

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