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 multidisciplinary 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).

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**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).

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