

New Joint Faculty Search in Mechanical Engineering and  
the Institute for CyberScience  
The Pennsylvania State University

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Posted Aug. 16, 2018, set to expire Feb. 15, 2019

**Job Title** New Joint Faculty Search in Mechanical Engineering and the Institute for CyberScience  
**Department** Mechanical and Nuclear Engineering Department  
[https://assets.engr.psu.edu/MNE/docs/ICS\\_ME\\_FacultySearch\\_2018\\_ICS\\_MNE\\_Full\\_Final.pdf](https://assets.engr.psu.edu/MNE/docs/ICS_ME_FacultySearch_2018_ICS_MNE_Full_Final.pdf)  
**Institution** The Pennsylvania State University  
University Park, Pennsylvania

**Date Posted** Aug. 16, 2018

**Application Deadline** Screening of applicants begins November 1, 2018

**Position Start Date** Negotiable

**Job Categories** Assistant Professor  
Associate Professor

**Academic Field(s)** Mechanical Engineering  
Energy Technology  
Computer Engineering  
Computer Science  
Engineering - Other

**Job Website** <https://psu.jobs/job//82158>

**Apply Online Here** <https://psu.jobs/job/82158>

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**Apply By  
Email**

**Job  
Description**

New Joint Faculty Search in Mechanical Engineering and the Institute for CyberScience

The Department of Mechanical and Nuclear Engineering and Institute for CyberScience at The Pennsylvania State University in University Park is pleased to invite applications for tenure-track positions anticipated in mechanical engineering at the Assistant or Associate Professor levels. The Department will consider areas pertinent to the area of energy with particular interest in uncertainty quantification (UQ), data-driven modeling, and optimization.

The Department is home to more than 65 faculty, 400 graduate students, and 1100 undergraduate students. The faculty conduct in excess of \$20M per year of funded research across a broad spectrum of traditional and emerging areas. Penn State actively encourages and provides resources for interdisciplinary research collaboration through university-level institutes including the Institute for CyberScience (ICS). As one of Penn State's five university-wide research institutes, ICS connects researchers from numerous disciplines to answer critical scientific questions and societal issues through cyber-enabled research and methodology. The Institute has nearly 300 affiliated faculty, with over 20 tenure-track co-hired faculty, engaged in interdisciplinary computation and data enabled research. Affiliated faculty utilize ICS operated Advanced Cyber Infrastructure (ICS-ACI), Penn State's high-performance research cloud, which is in the top 15 among our peers. Further information on the Department can be found at: <http://www.mne.psu.edu/> and on the Institute can be found at: <https://ics.psu.edu/>.

Successful applicants will have demonstrated outstanding scholarly research and will have expressed strong interest in engineering education. Qualification for the position is a doctorate in engineering or a related field that must be completed by the start date in the position. Those considered for the Associate level must demonstrate an established record in research. The successful candidates will be expected to teach courses at both undergraduate and graduate levels, to develop an internationally-recognized, externally-funded research program, and to contribute to the operation and promotion of the department, college, university, and profession through service.

Nominations and applications will be considered until the positions are filled. Screening of applicants will begin on November 1st, 2018. Applicants should submit the following documents: 1) a cover letter, 2) a statement on teaching, 3) a statement on research, 4) a statement on diversity addressing how

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past and/or potential contributions to diversity will advance PSU's commitment to inclusivity, 5) a curriculum vitae, 6) copies of 1-3 key publications, and 7) the names and addresses of five professional references. Please submit these items in one pdf file electronically to job #82158 at <https://psu.jobs/job/82158>.

**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.

### **EEO/AA Policy**

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### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** ME Faculty Search Committee  
Mechanical and Nuclear Engineering Department  
The Pennsylvania State University  
137 Reber Building  
University Park, PA 16802-1412

**Phone Number** 814-865-2519

**Fax Number** 814-865-1280



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**Contact E-mail**      MESearch@mne.psu.edu