



**COLLEGE OF ENGINEERING  
FACULTY POSITION SCHOOL OF MECHANICAL ENGINEERING**

The School of Mechanical Engineering at Purdue University invites applications for a tenure-track or tenured faculty member at all professorial levels. We seek to attract exceptional candidates with interests and expertise in the areas of Acoustics and Noise Control, or Energy and Thermo-Fluid Transport and Systems. **Areas of interest for noise and vibration include:** control including active noise control; sound generation; sound field and noise prediction; auralization; product sound design; acoustical materials; impacts of noise; and bioacoustics. **Main interest for Thermo-Fluid Transport and Systems** is in expertise related to high performance buildings and communities including: advanced heat pumping technologies; optimal building controls; automated diagnostics systems; multiscale sensing; machine learning, and data analytics. The successful candidate will demonstrate a commitment to excellence in teaching and research.

Applicants considered must hold a Ph.D. degree in Mechanical Engineering or a related discipline and demonstrate excellent potential to build an independent research program at the forefront of their field, as well as potential to educate and mentor graduate and undergraduate students. Preference is for candidates with synergistic computational and experimental expertise that enables realistic engineering product and system performance predictions that facilitates product/system design optimization, and for candidates who can take advantage of the unique large-scale experimental facilities within Mechanical Engineering. Faculty members are expected to conduct original research, advise graduate students, teach undergraduate and graduate courses, and perform service both at the School and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and have the ability to contribute to an inclusive climate are particularly encouraged to apply.

Established in 1882, the School of Mechanical Engineering is the oldest of Purdue's engineering schools and has granted over 28,000 degrees. Currently within mechanical engineering, there are 83 faculty members, around 1350 undergraduate and 600 graduate students. The School is known nationally and internationally for outstanding accomplishments in engineering research, education, and global engagement. It is a vibrant, multi-disciplinary community of scholars with a strong commitment to research and discovery, undergraduate and graduate education, and advancing diversity.

Purdue University's Mechanical Engineering is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter and indicate their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including a cover letter, curriculum vitae, a 1-2 page teaching plan, a 1-2 page research plan, and names of at least four engineering or science professionals that can provide reference letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at [coeacademicaffairs@purdue.edu](mailto:coeacademicaffairs@purdue.edu). Review of applications will begin on November 15, 2017 and will continue until position is filled. A background check will be required for employment in this position. Nominations may be sent to Dr. Patricia Davies, Search Committee Chair, at [daviesp@purdue.edu](mailto:daviesp@purdue.edu).

Purdue's main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities, events, and industries. Purdue and the College of Engineering have a [Concierge Program](#) to assist new faculty and facilitate their relocation.

*Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*