



The Department of Mechanical and Aerospace Engineering at The Ohio State University invites applications from outstanding individuals for a tenured or tenure-track faculty position in the broad disciplinary area of dynamics. Successful applicants for the position will demonstrate deep expertise in one or more of the following topics: vibration, acoustics and ultrasonics, structural mechanics, nonlinear dynamics, multi-body dynamics, system modeling, identification and diagnostics, adaptive structures, probabilistic methods including Bayesian modeling, experimental dynamics, and measurement systems.

Research specialization areas under consideration include, but are not limited to: design of robust, highly optimized structures with an emphasis on lightweight and multi-material structures, possibly with complex topologies; optimization of dynamic structures for energy efficiency and energy harvesting from structural vibrations; study of noise, vibration, and human-vehicle interactions arising due to structural dynamics; health monitoring and sensor-based diagnostics of engineered systems; dynamics of geared devices and power transmission systems; design of smart devices, vehicles, and structures, enabling context-dependent dynamics.

The new faculty member will complement and advance existing research Centers, for example the NSF I/UCRC Smart Vehicle Concepts Center, the OSU Center for Automotive Research, the Gear and Power Transmission Research Laboratory, and the OSU Institute for Materials Research, while creating synergy in one or more areas of strategic interest to the department and college such as advanced manufacturing, energy and environment, materials for a sustainable world, and data analytics.

**Qualifications:**

Candidates must have, by the start date, an earned doctoral degree in mechanical engineering or a closely related field. The new faculty member will be expected to teach core undergraduate and graduate courses in the Dynamic Systems Technical Area (for instance system dynamics, vibrations, acoustics, nonlinear dynamics, experimental methods, and smart materials and structures), develop new graduate courses in his/her research area, develop and sustain active sponsored research programs, and provide intellectual leadership in his/her research field. The anticipated start date is fall 2015. Screening of applicants will begin immediately and continue until the position is filled. Interested candidates should upload a complete curriculum vitae, statements of research and teaching goals, and the names, addresses, and e-mail addresses of four references. The website link is [http://www.mecheng.osu.edu/faculty\\_positions/](http://www.mecheng.osu.edu/faculty_positions/).

To build a diverse workforce, Ohio State encourages applications from individuals with disabilities, minorities, veterans, and women. Ohio State is an EEO/AA Employer. Columbus is a thriving metropolitan community, and the University is responsive to the needs of dual career couples. For more information about the Department of Mechanical and Aerospace Engineering at OSU, please visit <http://mae.osu.edu/>.