



WICHITA STATE
UNIVERSITY

Mechanical Engineering
Department

FOUR TENURE TRACK FACULTY POSITIONS

The College of Engineering at Wichita State University is pleased to announce a search for 14 faculty positions, four of which are in Mechanical Engineering. These 14 positions represent the growth and commitment to increasing the depth and diversity of our already strong faculty. Wichita State University recognizes that innovation is cultivated by inclusion and seeks to foster an environment of diversity in culture, thought and experience. We strive to integrate these institutional values into all aspects of our learning, living and working community.

The Mechanical Engineering department tenure eligible faculty positions are at the Assistant Professor rank. Duties include teaching, securing externally funded research, scholarship, and service. Exceptional applicants may be considered at the rank of associate professor.

Requirements for each position include an earned doctorate in mechanical engineering or a closely-related engineering field by the time of appointment, a notable record of journal publications and scholarly activities, evidence of potential to attract external funding and conduct research, effective communication skills, evidence of teaching potential and disposition to work with diverse populations are required for each position. A BS degree in mechanical engineering is strongly preferred.

Research areas preferred for the four positions include, but are not limited, to:

- 1) **Energy Systems** (Position # **998592**) energy efficiency, energy conversion, energy storage for renewable power, clean water and environment, energy-water-food nexus, energy sustainability, and thermal transport processes.
- 2) **Materials and Manufacturing** (Position # **996723**) materials engineering and processing, production and application of nanomaterials, recycling and recovery of materials, nano manufacturing, green manufacturing, environmental protection and clean up.
- 3) **Robotics and Control** (Position # **996731**) robotics, prosthetics, sensors, cancer and heart failure detection systems, distance health monitoring.
- 4) **Mechatronics and Dynamics** (Position # **996742**) controls-experimental, intelligent systems using big data, structural health monitoring, UAV, and MEMS.

Wichita State University has an attractively landscaped campus, with approximately 15,000 students. The Wichita metro area has a population of approximately 600,000 and it is known as the "Air Capital of the World" that is home to major companies such as Airbus, Bombardier Learjet, Cessna, Chance Industries, Johnson Controls, Koch, Siemens and Spirit AeroSystems. Successful candidates will have opportunities to interact with these companies. Currently, the ME Department has nearly 600 undergraduate and 125 graduate (M.S. and Ph.D.) students.

Interested candidates must apply online, at <https://jobs.wichita.edu>, by submitting a letter of application explaining how his/her expertise and experiences could contribute to a specific position #, resume, statements of teaching and research plans and lists of at least three professional references. For full consideration, the application must be submitted by **January 2, 2017** but the search will continue until the positions are filled.

Wichita State University does not discriminate in its employment practices, educational programs or activities on the basis of age, color, disability, gender, gender expression, gender identity, genetic information, marital status, national origin, political affiliation, pregnancy, race, religion, sex, sexual orientation, or status as a veteran. Retaliation against an individual filing or cooperating in a complaint process is also prohibited. Sexual misconduct, relationship violence and stalking are forms of sex discrimination and are prohibited under Title IX of the Education Amendments Act of 1972. Complaints or concerns related to alleged discrimination may be directed to the Director of Equal Opportunity or the Title IX Coordinator, Wichita State University, 1845 Fairmount, Wichita KS 67260-0138; telephone (316) 978-3187. Offers of employment are contingent upon completion of a satisfactory criminal background check as required by Board of Regents policy.