

Faculty Position Announcement

Department of Mechanical Engineering, Brigham Young University

The Department of Mechanical Engineering at Brigham Young University will be filling multiple faculty positions during the coming year and is seeking outstanding faculty candidates who will challenge an exceptional student body through teaching and mentoring and contribute to excellent research programs. Exceptional candidates in all areas of Mechanical Engineering will be considered and are encouraged to apply. Candidates with expertise in Computer-aided Engineering Applications, Modern Manufacturing processes (additive processes), or Mechanics of Materials are especially encouraged to apply.

The department has state-of-the-art facilities in supercomputing, electron optics, acoustics, microelectronic fabrication, and manufacturing processes. Earlier this year BYU broke ground on a new \$80 million, 200,000 square foot engineering building which will be completed in 2018. Excellent research programs exist in compliant mechanisms, MEMS, autonomous vehicle control, multidisciplinary and parametric design, CAx (computer-aided applications) tools, friction stir processing, global product development, acoustics, combustion, microfluidics, biomechanics, microstructure design, robotics, materials, and experimental and computational fluid flow physics. Successful candidates will be expected to strengthen undergraduate and graduate education and to develop an outstanding research program to complement existing research or develop new research areas.

BYU students come from all 50 states in the U.S. and the National Survey of Student Engagement placed BYU in the 93rd percentile for level of academic challenge, 91st percentile in fostering active and collaborative learning, and 99th percentile in providing a supportive campus environment. The graduate program was recently rated among the top third of doctoral-granting ME graduate programs. The ACT score for the average freshman is above the 90th percentile nationally. Over 75 percent of our BS graduates plan to attend graduate school, and BYU is fifth on the list of U.S. baccalaureate-origin institutions for engineering doctorate recipients. Student teams from BYU consistently place in the top ten in national and international design competitions. Our students have an exceptional amount of experience in leadership and global settings (over 80 percent of graduating seniors speak a second language and/or have lived in a foreign country for over a year), making them well poised to become global leaders in engineering. We expect our faculty to challenge these outstanding students to reach their potential.

Successful candidates will be hired at the assistant professor, associate professor, or professor level depending on experience. Requirements include a doctorate in mechanical engineering or closely related field and a willingness to fully support and participate in the ideals and mission of BYU. Applications must be submitted online at <https://yjobs.byu.edu> and must include a cover letter, curriculum vitae, statement of research interests and plan, statement of teaching interests, educational transcripts, and contact information for at least three professional references. Questions regarding the position can be directed to:

Dr. Julie Crockett, Faculty Search Committee Chair
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*For full consideration, applications should be submitted prior to December 1, 2016.

**BYU, an equal opportunity employer, requires all faculty to observe the university's honor code and dress and grooming standards. Preference is given to qualified candidates who are members in good standing of the affiliated church, The Church of Jesus Christ of Latter-day Saints.

BYU

DEPARTMENT OF

MECHANICAL ENGINEERING