Oct. 31, 2017

Tamara Reid Bush named Fellow of the American Society of Mechanical Engineers

Tamara Reid Bush, associate professor of mechanical engineering, was named a Fellow of the American Society of Mechanical Engineers (ASME). She is one of a select number of 3,498 who have attained the grade of Fellow among 120,248 members.

The ASME Board of Governors confers the Fellow grade in recognition of outstanding engineering achievements. Nominated by their peers, ASME Fellows have had 10 or more years of active practice and at least 10 years of continuous active corporate membership in ASME.

Reid Bush is the founding director of the Michigan State University Biomechanical Design Research Laboratory, where she and her students apply engineering techniques and principles to the human body. Specifically, they study kinetic and kinematic interactions that occur between people and devices, or during clinical procedures.

Her research interests include biomedical, mechanics of seating, hand function, musculoskeletal dysfunction, pressure ulcers, and soft tissue responses to loading. She joined MSU as a faculty member in 2009.

ASME honored Reid Bush for her significant achievements to mechanical and biomedical engineering. She has mentored more than 50 students. Her active mentorship of women in engineering provides efficacy of her leadership skills.

She is the current treasurer for the American Society of Biomechanics Executive Board and is an editorial board member for the Journal of Applied Biomechanics. She is also the current chair of ASME’s Design, Dynamics and Rehabilitation Technical Committee. Reid Bush received a Withrow Teaching Excellence Award from MSU's
Department of Mechanical Engineering in 2013-2014.

She is a three-time graduate of Michigan State University, with a bachelor’s degree in mechanical engineering, and master’s and PhD degrees in engineering mechanics with an emphasis in biomechanics.

About ASME Fellow Membership

The ASME Board of Governors confers the distinction of Fellow grade membership to candidates who have been nominated by their peers and selected by the Fellow Review Committee with final approval of the Committee of Past Presidents. These individuals are recognized for their distinguished career and engineering achievements.

Related Website: Communications contact: Patricia Mroczek

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