Kimberly Foster

Dean, School of Science and Engineering & Professor, Physics and Engineering Physics & Professor, Biomedical Engineering (by Courtesy) at Tulane University

New Orleans, LA, US

Kimberly Foster?s current research interests include nonlinear microelectromechanical systems, and biomedical technology development

Biography

Kimberly Foster (formerly Turner) became the new Dean of the Tulane University School of Science and Engineering on August 1, 2018. Foster grew up in the Upper Peninsula of Michigan, receiving her Bachelor of Science degree in Mechanical Engineering from Michigan Technological University in 1994. She then studied Theoretical & Applied Mechanics at Cornell University, receiving a PhD in 1999. While at Cornell, she became fascinated by the ?very small? and spent most of her time there building and inventing methods of characterizing microelectromechanical devices. Following her PhD, she moved to UC Santa Barbara, where as an assistant professor, she began a laboratory effort focused on understanding and exploiting nonlinear dynamics for a wide range of microscale sensors. She became Associate Professor in 2004, and Full Professor in 2008. She served as Vice Chair of the mechanical engineering department from 2006-2008 and department Chair from 2008-2013. She also co-Chaired UCSB?s BRAIN Initiative, and until her departure from UCSB in 2018, was Associate Director of the Center for Bioengineering at UCSB. She was the Sensors Task order Leader for the UCSB-MIT-Caltech ARMY Institute for Collaborative Biotechnology from 2004-2009. Kimberly Foster?s current scholarly research interests include nonlinear microelectromechanical systems, micro/nanoscale mechanics and biomedical technology development. As a leader, she is committed to and passionate about interdisciplinary research and education for scientists and engineers, and on the continued evolution of engineering and science education at all levels.

Areas of Expertise

Mechanics of Micro/Nanosystems, Hierarchical Micro/Nanosystems, MEMS, Microelectromechanical Systems, Bio-Inspired Micro/Nanosystems

Education

Cornell University

Ph.D. Theoretical & Applied Mechanics

Michigan Technological University

B.S. Mechanical Engineering