Research is difficult. The systematic creation of new knowledge requires amassing large quantities of information about existing knowledge, developing skills and techniques, and is subject to large amounts of failure. However, there is also a tremendous amount of joy in both the large and small accomplishments along the way. In this talk, Dr. Betz will discuss how she finds the joy in what she does, the benefit of her past trials and failures, the fulfillment of mentorship, and the delight of exploring new research areas. It is a gift to be able direct your own research group, to be able to find the answers to the questions you have always had.

**Bio:** Amy Betz is an Associate Professor in the Mechanical and Nuclear Engineering Department and the Assistant Dean of Retention, Diversity, and Inclusion at Kansas State University. She received her PhD in Mechanical Engineering from Columbia University and her bachelor’s degree from the George Washington University. She has published over 30 peer-reviewed publications. She is the principle investigator on multiple nationally competitive grants including a project funded by the National Science Foundation to study students’ beliefs about their own intelligence. In 2016, Dr. Betz received the K-State Office for the Advancement of Women in Science and Engineering Recognition Award and the Multicultural Engineering Program Faculty Engagement Award in 2017. She has also completed the Association of College and University Educators (ACUE) certificate in effective college teaching.