



## NSF Program Overview: A Vision for Design Research

In this overview of NSF programs, Engineering Design & Systems Engineering (EDSE) Program Director Kathryn Jablokow will highlight NSF core programs and a variety of cross-cutting opportunities relevant to the engineering design community, along with a few key principles for successful proposal writing. In addition, she will discuss her vision for design research, including the implications of treating design as a system and the need to establish a more synergistic relationship between the engineering design and systems engineering communities.



Kathryn Jablokow is currently serving as the Program Director for the Engineering Design & Systems Engineering (EDSE) program in the Civil, Mechanical and Manufacturing Innovation (CMMI) Division at the National Science Foundation. In her academic life, Dr. Jablokow is a Professor of Engineering Design and Mechanical Engineering at Penn State University, where her research focuses on design cognition, high performance design teams, mobile robotics, and design education, among other topics. She has been part of the design community for over 30 years and is a co-developer of a Massive Open Online Course (MOOC) on creativity that has attracted more than 300,000 learners since 2013. Dr. Jablokow is a Senior Member of IEEE and a Fellow of ASME, as well as the recipient of ASME's 2016 Ruth and Joel Spira Outstanding Design Educator Award.