This talk focuses on research opportunities for Industrial Engineers (IE) in the area of engineered decision systems. We start with an overview of the national and global trends that have had or will have significant impact on the IE research enterprise. We will then discuss the recent reorganization of the Engineering Directorate and its implications for IE researchers. Given these exogenous constraints, we will discuss potential strategies for maintaining/enhancing competitiveness of IE researchers in securing extramural funding. In light of the strategic research areas identified by the Engineering Directorate, we will focus on engineered decision systems as a potential target area for IE researchers. The talk will present current NSF investments in the area, ranging from manufacturing and service to infrastructure systems. Finally, upcoming opportunities for multidisciplinary collaborative research in this area will be highlighted.

* Opinions presented in this talk are those of the author and do not necessarily reflect the views of the National Science Foundation.

**BIO-SKETCH:**
Abhijit Deshmukh is currently serving as a Program Director in the Engineering Directorate and the Office of Cyberinfrastructure at the National Science Foundation. He is also a Professor in the Department of Mechanical & Industrial Engineering at the University of Massachusetts Amherst, where he directs the Consortium for Distributed Decision-Making (CDDM) and the Security, Emergency Preparedness and Response Institute (SEPRI). He has a Ph.D. in Industrial Engineering from Purdue University. His research interests are in distributed decision-making, system complexity, sensor networks and cyberinfrastructure for engineering applications.