

Contact: Diana Gonzalez

**FACULTY PRESENTATION AT IOWA STATE UNIVERSITY:
“ADVANCING MANUFACTURING IN IOWA: THE CENTER FOR e-DESIGN AND
DIGITAL LAB FOR MANUFACTURING”**

Action Requested: Receive the presentation.

Executive Summary: Janis Terpenney will provide a brief overview of the Center for e-Design, a National Science Foundation Industry University Cooperative Research Center, which she co-founded in 2003 and currently directs; and the Digital Manufacturing and Design Innovation Institute, a university, government, and industry collaborative to foster innovation in digital manufacturing and design. Iowa State University is a Tier 1 partner in the Lab; the University of Iowa and the University of Northern Iowa are also partners in the Institute. Dr. Terpenney serves as technical lead of the Advanced Manufacturing Enterprise area.



Dr. Janis Terpenney is Joseph Walkup Professor and Chair of the Department of Industrial and Manufacturing Systems. She holds a bachelor's degree in mathematical sciences from Virginia Commonwealth University, and master's and doctoral degrees in industrial and systems engineering from Virginia Polytechnic Institute and State University. Dr. Terpenney began her career as an information systems analyst at General Electric before returning to Virginia Tech to earn her doctorate in 1996. Prior to joining Iowa State University in 2011, she held faculty and research positions at the University of Massachusetts and Virginia Tech; at Virginia Tech she served as professor in the departments of engineering education and mechanical engineering.

Dr. Terpenney's research and education interests include Engineering Design Process and Methods; and Engineering Design Education. She is a fellow of the Institute of Industrial Engineers (IIE) and the American Society of Mechanical Engineers (ASME). She is a member of the American Society for Engineering Education (ASEE), Institute for Operations Research and the Management Sciences, Alpha Pi Mu industrial engineering honor society, and Tau Beta Pi engineering honor society. She currently serves as an associate editor for the ASME's *Journal of Mechanical Design* and for the *Engineering Economist* (published jointly by ASEE and IIE).