

**Topic:**

Wearability, Manufacturability, and Feasibility in Garment-Integrated Technologies

**Speaker:**

Dr Lucy E. Dunne, Associate Professor, University of Minnesota

**Date:** 10 June 2016

**Time:** 10.30am

**Venue:** Room ST602

**Abstract:**

The field of wearable technology is experiencing a period of rapid change, particularly in the commercial sector. However, this commercial growth has not mirrored the exciting potential demonstrated by research and early-stage prototyping, particularly for e-textiles and garment-integrated technologies. This talk will discuss high-potential applications for garment-integrated technologies, as well as the key barriers to commercial development and user adoption of these technologies.

**Biography:**

Dr Dunne is an Associate Professor at the University of Minnesota, where she directs the Apparel Design program and co-directs the Wearable Technology Lab. She is a co-author (with Susan Watkins) of "Functional Apparel Design: From Sportswear to Space Suits" (Fairchild Books, 2015). Her academic background includes degrees in Apparel Design (Cornell University, BS and MA), Electronic Engineering (Tompkins-Cortland Community College, AAS), and Computer Science (University College Dublin, PhD). Her research is focused on wearability and garment-based wearable technology, and explores new functionality in apparel, human-device interface, production and manufacture, and human factors of wearable products. Dr. Dunne has received the National Science Foundation's CAREER award and the NASA Silver Achievement Medal for her work with functional clothing and wearable technology.