

PLENARY SPEECH

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Topic: Packaging Trends for Wearable Medical Electronics

Time: 9:20-10:10

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Abstract :

Wearable electronics is not a new concept for implantable devices and hearing aids, new products to enable digital healthcare are emerging. Some of these products are focused only on health and fitness; others deal with critical care and the control of life threatening conditions. New products are expected to collect data, transmit and/or process information and this connectivity is referred to as Internet of Things IoT or as Cisco calls it the "Internet of Everything". This connectivity for digital health care products is enabled by the use of an increasing number of MEMS and sensors, as well as some form of RF device. How are these devices packaged for each application? How do package, assembly, and reliability requirements differ for each product category? No single package dominates this sector today, but increased cost sensitivity will place greater demands on package and assembly decisions for future applications. This presentation examines these trends and the implications for a growing number of products.