

Title: Wearable Devices: the Big Wave of Innovation

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Wearable technologies are equipped with microchips and sensors, capable of tracking and wirelessly communicating information on real time basis. The rapid adoption of such devices in the past decade has placed them as the most attractive innovation in the world of technology. With innovations on the horizon, the future of wearable devices will go beyond answering calls or counting our steps but providing us with sophisticated wearable gadgets capable of addressing fundamental and technological challenges. In this talk, the development of wearable technologies across a range of applications from educational assessment, to health, biomedical sensing and energy harvesting will be presented. Furthermore, some key innovations in micro/nano fabrication of these technologies, their basic working mechanism and the challenges facing the progress will be discussed.