

FLEXIBLE ELECTRONICS FOR HUMAN-INTERACTIVE TECHNOLOGIES

Abstract

Motivated by the flexible smart phones, intelligent bracelets, Google Glasses, and i-watch, great interest has recently been aroused in flexible/wearable electronics. Many materials, structures, and devices are designed and fabricated in response to this increasing demand from smart consumer electronics, and a wide spectrum of new applications have been identified in the fields of sensing, personal health monitoring, and electronic skins as the technology advances. In this talk, the speaker will present the novel concepts, structural designs, and strategies in materials innovation, as well as introducing the research progress in his group on flexible conductors, flexible tactile sensors, flexible memory devices, and flexible energy storage devices.