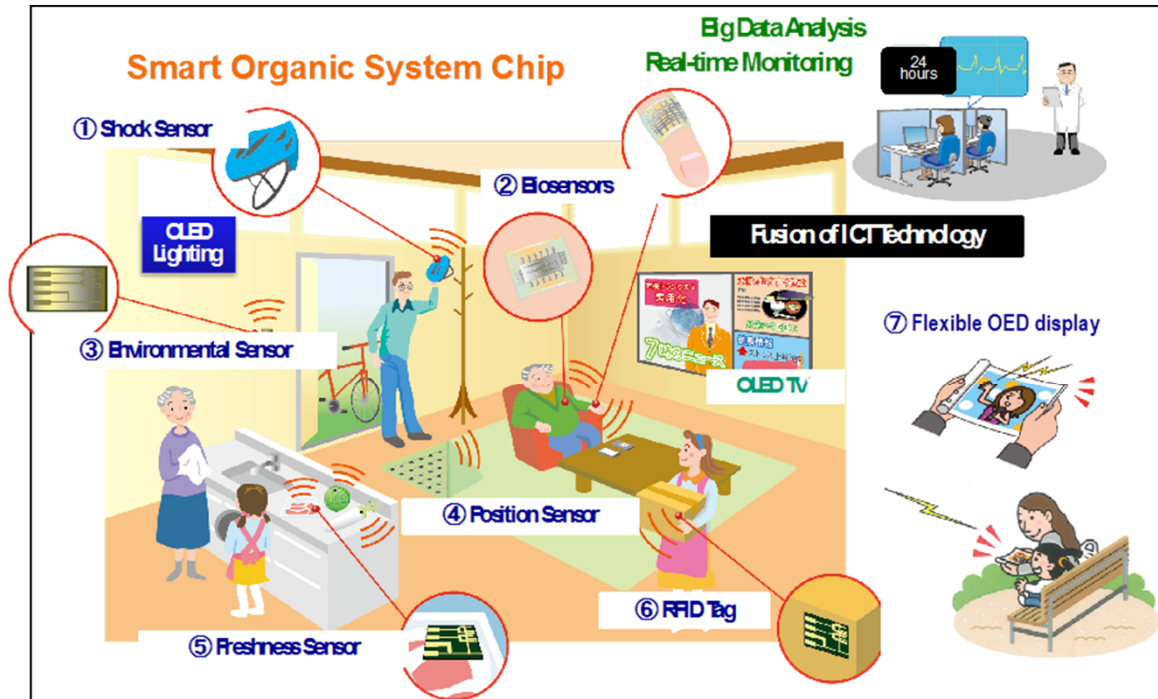
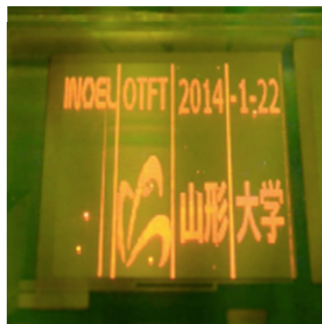


Flexible and Printed Organic Electronics

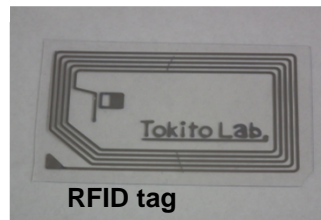
Professor Shizuo Tokito



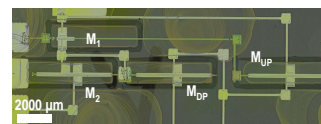
Given their potential in next-generation electronic devices for applications that require light weight, flexibility and low cost, organic semiconductors (OSC) have attracted significant R/D attention. We are furthering the research and development of OSC technologies that include : i) molecular design and syntheses, ii) device fabrication, iii) device operating mechanisms, and, iv) electronic applications. Flexible displays based on organic thin-film transistor (OTFT) and organic electroluminescence(EL)devices on plastic films are a representative application for OSC technology. Moreover, flexible sensors, memory devices, and RFID tags are also potential applications for the organic TFT devices are also quite promising. These devices are can be fabricated at low temperatures using printing methods such as ink-jet and screen printings.



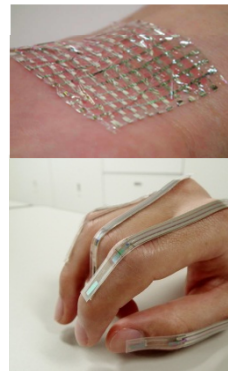
Flexible OLED display



RFID tag



Logic circuit



Bio-sensors

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Research Interest: Printed Organic Electronics

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