25th Nano Congress for Future Advancements

12th Edition of International Conference on

Nanopharmaceutics and Advanced Drug Delivery

August 16-18, 2018 | Dublin, Ireland



Joong Tark Han

Korea Electrotechnology Research Institute, Republic of Korea

Nanocarbon based electrode technology for soft electronics

Flexible electrodes fabricated with conducting soft electromaterials such as carbon nanotubes (CNTs), graphene and metal nanowires are of great interest for various applications, ranging from alternative electrodes for flexible electronics. However, the difficulty in processing these soft electro materials represents one of the key challenges to researchers working in this area. In this talk, author will present his recent progress in synthesis of nanocarbon hybrid materials and their processing technologies for applications in flexible electrode technology towards soft electronics. The judicious use of supramolecular chemistry and interfacial engineering technology allows fabrication of printable, spinnable, and chemically compatible conducting pastes with high-quality nanocarbon(NC) materials, useful in flexible electronics and textile electronics.

Biography

Joong Tark Han has completed his PhD from Pohang University of Science and Technology. He is the Center Director of Nano Hybrid Technology Research Center at KERI in Korea, and a Professor of Department of Electro-Functionality Materials Engineering at UST. He has published more than 90 papers in reputed journals.

jthan@keri.re.kr