

Engineering Doping, Disorder, and Charge Transport in Organic Semiconductors



Prof. Kilwon Cho

Biography :

Kilwon Cho is a University Professor in the Department of Chemical Engineering at Pohang University of Science and Technology (POSTECH), Korea. He received his B.S. and M.S. degrees in Applied Chemistry from Seoul National University and his Ph.D. in Polymer Science from the University of Akron in 1986. After working at IBM Research, he joined the faculty of POSTECH in 1988. His research has focused on the structure and physical properties of polymers, polymer thin films and interfaces, organic semiconductors, and soft and flexible electronics. His work has contributed to understanding and engineering molecular organization, thin-film microstructure, and interfaces to control charge transport and device performance in organic electronic materials. His current research focuses on molecular doping and charge transport in conjugated polymers, organic thermoelectrics, stretchable organic semiconductors, and soft electronic materials and devices.