

## **Presenter Biography and Photo**



**Professor Hyeong-Jin Kim**

Professor, GIST (Gwangju Institute of Science and Technology, Korea)

### **Biography:**

Professor Hyeong-Jin Kim is currently the full professor at School of Integrated Technology at GIST (Gwangju Institute of Science and Technology).

He graduated from Seoul National University, and received Master degree from KAIST (Korea Advanced Institute of Science and Technology) and Ph.D. from the University of Texas at Austin. Then he pursued post-doctoral fellowships at University of Wisconsin at Madison, before joining LG Chem.

In LG Chem, he worked for twenty-five years as chief researcher in the R&D institute for Li-ion battery, and director at Automotive / Mobile Battery division including the president at LGCMI (LG Chem Michigan Inc.) in USA.

He was awarded Global Quality, Bronze Awards by HP, Quality Management Award by Ford Motors, and Global Supplier Quality and International Operations by GM Motors.

He completed the Federal and State Government projects with DOE and Michigan Economic Development Corporation.

His current research interests include the applications for Li-ion battery development and Micro-battery design, Nanostructured electrode materials, Laser technology application.

### **Education and Experience**

2016~present: Professor, School of Integrated Technology, GIST  
2014~2016: President, worked at LG Chem Michigan, Inc. (LGCMI) in USA  
2005~2013: Director, worked at Automotive / Mobile Battery, LG Chem  
1995~2004: Principal Researcher, worked at Battery R&D, LG Chem Research Park  
1993~1995: Senior Researcher, at University of Wisconsin-Madison  
1993: received Ph.D., from The University of Texas at Austin  
1983: M.S., graduated from KAIST  
1981: B.S., graduated from Seoul National University

#### Professional Activities & Honors

2015: Michigan Economic Development Corporation (2014 ~ 2017) Michigan State Grant  
2013: GM Motors, Global Supplier Quality and International Operations  
2012: Ford Motors, Quality Management Award, Q1 Preferred Quality Status  
2008: HP, Global Quality, Bronze Awards

#### Major research fields

Li-ion battery and Micro-battery, Silicon anode, NMC Cathode, Nanostructured electrode material, Laser technology application, Zn electrode, Zinc Bromine flow battery