



4th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

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Keynote Speaker of Session 04

BEYOND LITHIUM ION BATTERY



Dr. Liu Zhaolin (Senior Scientist) was born in Fujian of China, he received Bachelor (Engineering) degree in 1983 from Tianjin University, and Master (Engineering) degree from Tianjin University in 1986. He went abroad in 1990-1992 as a visiting scholar for Ph.D. collaboration research in Darmstadt University of Technology, Germany. After receiving his Ph.D. in 1992 from the same university, he was promoted to an associate professor in Department of Applied Chemistry, Tianjin University in 1992. From 1992 to 1997, he worked as an associate professor in the Department of Applied Chemistry, Tianjin University, to study the hydrogen storage alloy electrode and nickel-metal

hydride secondary battery, lithium ion rechargeable battery, and electrochemical oxidation of alcohol. He joined in the Institute of Materials Research and Engineering, Singapore, in 1997. He is a Senior Scientist at Institute of Materials Research and Engineering (IMRE), Agency for Science, Technology and Research (A*Star), Singapore. His research areas cover electrochemical energy conversion materials and devices, particularly fuel cells, batteries, energy generation and storage, and photocatalysts and relative materials. He has published more than 150 peer-review papers and 13 patents, and his papers have been cited for more than 4700 times (H index of 37).

