



4th International Symposium on

Energy **C**hallenges & **M**echanics

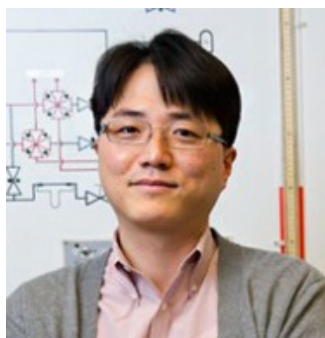
- working on small scales

11-13 August 2015

Aberdeen, Scotland, UK

Invited Speaker of Session 16

HETEROGENEOUS NANO-MATERIAL DESIGN FOR ENERGY CONVERSION AND STORAGE



Yung Joon Jung

Associate Professor

Mechanical and Industrial Engineering Department

Northeastern University, Boston, MA, USA

<http://www.coe.neu.edu/research/onsi/>

Professor Jung's research focuses on investigating new synthetic routes for various low dimensional nanomaterials and engineering their molecular structures and nanoscale morphologies. His group also studies nanomanufacturing processes such as assembly, transfer and integration of nanomaterials for multifunctional nanostructured fibers, nanoelectronics, flexible MEMS/NEMS devices, chemical/ion sensors and energy storage applications. His research activities are supported by National Science Foundation (CMMI, ECCS, DMREF), DoD, and industries. Dr. Yung Joon Jung received his Ph.D. in Materials Science and Engineering from Rensselaer Polytechnic Institute, Troy, NY in 2003. In 2002, he worked as a visiting researcher at NTT Basic Research Laboratories (Device Physics) in Japan. From 2003 to 2005 he worked as a Postdoctoral Fellow at Rensselaer, and joined Northeastern University as an Assistant Professor in September 2005, working in the Department of Mechanical and Industrial Engineering. Prof. Jung is selected as one of US-Japan Young Researchers in Nanotechnology and Nanomanufacturing, sponsored jointly by the National Science Foundation, USA and MEXT, Japan. He is a recipient of outstanding international scholar fellowship from KyungHee University, South Korea. He published two book chapters and over 54 articles in high impact journals such as Nature, Nature Communications, Nature Photonics, JACS, PNAS, Nano Letters, ACS Nano, etc.

4th International Symposium on Energy Challenges and Mechanics

- working on small scales

11-13 August 2015, Aberdeen, Scotland, United Kingdom

