



**Dr. David J. Jae-Seok Hwang**

David J. Jae-Seok Hwang is an assistant professor in Mechanical Engineering department at State University of New York at Stony Brook. He received his BSE and MSE degrees from Seoul National University, Korea (1995 and 1997), and Ph.D. degree in Mechanical Engineering from University of California at Berkeley (2005), followed by postdoctoral researcher (2005-2007) and a research scientist (2008-2010) in University of California at Berkeley. He was a guest scientist in Lawrence Berkeley National Laboratory (2007-2010). He also worked for Samsung (1997-2000), where he was involved in automotive engine control, superconductor related cryogenics and micro-jetting device. His research interests are on the micro- and nanoscale heat transfer, and laser-assisted processing and diagnostics in micro/nanoscale for wide range of applications including display, optoelectronics, energy, materials and bio-engineering. He also has strong expertise in the advanced characterization based on optical near-field, spectroscopy, and in-situ electron microscopy.