

## Dr. Jo-Won Lee Profile



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### Dr Jo-Won Lee

#### Director

#### The National Program for Tera-level Nanodevices

**Dr. Lee** is *director of the National Program for Tera-level Nanodevices*. His fields of research are magnetic recording media/head, high T<sub>c</sub> superconducting films and devices, diamond thin films & devices, and nanoelectronics (e.g., single electron memory, nano-flash memory). Dr. Lee was a general manager at the Samsung Advanced Institute of Technology (1992-2000). He was a visiting scientist at the IBM T.J. Watson Research Center (1990-1992), a research associate at Carnegie Mellon University (1985-1990), and a researcher at the Agency for Defence Development (1978-1980).

In 2001, he became a general secretary of the governmental planning committee for the 10 years Korea Nanotechnology Initiative. This plan has been revised in 2005 under his guidance as the principal investigator. He is now serving as a first vice president of Korean nanotechnology research society in charge of international affairs and a chairman of advisory committee for nanotechnology information. He is also a Korean-side chairman of advisory committee for Korea-US nanotechnology forum and was an NT focal point of Korea-UK focal point programs. He has been serving as an editor-in-chief of Korea Nanotechnology Annual and of Nanotechnology Glossary since 2003.

He authored and co-authored 92 papers/proceedings and holds 48 patents. He was listed in *Who's Who in the World*. He received an alumni special award from Hanyang University for his leadership in nanotechnology (December, 2001) and David McFarland award from Penn State Chapter of ASM International (April, 2003) for his achievement on metallurgy. He was appointed as one of 2004 role models in science by Korea Science Foundation, Dong-A ilbo, and Dong-A Science. Korean government gave him a national honor medal for his contribution to the advancement of nanotechnology in Korea (April, 2006). Dr. Lee received B.S. degree (1978) in metallurgical engineering from Hanyang University, and M.S. (1983) and Ph.D (1986) degrees in metals science from the Pennsylvania State University.