

Dr. Jo-Won Lee Profile



Dr. Jo-Won Lee

Director, The National Program for Tera-level Nanodevices

Jo-won Lee is *director of the National Program for Tera-level Nanodevices*. His fields of research are primarily nanoelectronics (CNT, nano-flash memory) with a variety of experiences such as magnetic recording media/head, high Tc superconducting films and devices, diamond thin films and devices. Prior to his current position, Dr. Lee was a general manager and then a project manager at the Samsung Advanced Institute of Technology (1992-2000). Earlier 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 was a general secretary of the governmental planning committee for the 10 years Korea Nanotechnology Initiative. This plan has been revised in 2005 under the guidance of Dr. Lee as a principle 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 working as 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 Annul and of Nanotechnology Glossary since 2003. He has been also serving as Chair, NANO KOREA 2006, 2007 and 2008 Symposium Steering Committee. Recently, he completed national nanotechnology roadmap (Feb. 2008) and national nanotechnology standardization development roadmap (Oct. 2007) as a principle investigator.

He authored and co-authored 92 papers/proceedings and holds 48 patents. He was listed in *Who's Who in the World* (1994/1995 edition). 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-Ailbo and Dong-A Science. Korean government gave him a national honour medal for his contribution to the advancement of nanotechnology in Korea (April 2006). He also got an alumni award from his high school for his contribution to nanotechnology (Dec. 2007). Dr. Lee received a B.S.(1978) in metallurgical engineering from Hanyang University, and M.S.(1983) and Ph.D.(1986) in metals science from the Pennsylvania State University.

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