

Speaker Profile



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Organization

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KANC

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Name: Joong Won Lee

Title: CEO & President

Institute: Korea Advanced Nano Fab Center

He has been leading KANC to establish a national Fab Center with the support of Korean government (Ministry of Science and Technology), Gyeonggi Province and consortium institutions. He has been an invited professor in Seoul National University (Sep. 02-Aug. 03), Vice President and Director in LG Electronics Institute of Technology as the Laboratory Head of Device & Materials Laboratory (Nov. 93-Mar. 02), General Manager in LG Semiconductor (Nov. 85-Oct. 93). He is a member of the National Academy of Engineering of Korea.

He has graduated from Seoul National University receiving BS degree in Materials Science and Engineering in Feb. 1974, and received MS degree in Materials Science and Engineering in Jun. 1983 from Stanford University.

Center Information

Korea Advanced Nano Fab Center

CONTACT

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Established in 2003 by the government as a non-profit public organization composing of university, research institute and industry members in the field of nanotechnology. It is to lead cutting edge scientific and technological R&D that runs 3 to 10 years ahead of industry needs in the areas of nanotechnology, electronic & optoelectronic devices for NT/BT/IT fusion environment. The location is 30 km distance away from Seoul. Total budget for five years of program is 173 million dollars funded by Ministry of Science and Technology, Gyeonggi Province, and 6 major consortium institutes.

KANC not only supports R&D activities in the FAB, but also accommodates worldwide nanotechnology business people in the office building and pilot scale production for faster commercialization of the research output.



The clean room FAB of 37,000 ft² is in operation and the office & pilot line building will be completed in April, 2006.

PLATFORM TECHNOLOGIES

Nano scale patterning
Compound semiconductor device fabrication (2~6") for commercialization
Nano structure / device R&D equipments
Nano material / device characterization equipments
Nano-scale process & characterization equipment development program support