

Speaker Profile



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Name : Jeong-O Lee

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Jeong-O Lee received her B.S. from Ewha womans university in 1989, and moved to Postech to get master in physics in 1992. She worked as a research assistant in University of Tokyo, and finally, received her Ph.D. in Physics from Chonbuk National university at 2001.

After finishing her Ph.D., she moved to TUDELFT (Technical University of Delft) in Netherland as a postdoc. She stayed in Delft for two years, from 2001 to 2003, and there she worked on electronic transport in molecular devices, and sensors fabricated with single-wall carbon nanotubes, under the guidance of Professor Cees Dekker and Professor Peter Hadley.

Dr. Lee joined KRICT at 2003, and since then she is working on developing sensors with nanodevices. Her group, NBALinK (NanoBio Application Lab in KRICT) is a specialized lab in nanosensors, supported by Korea Research Council for Industrial Science & Technology. At 2007, Dr. Lee got an award from Minister of Science and Technology for her work at KRICT.

Currently, Dr. Lee is working on developing sensors that can detect minute amount of proteins, toxins, bacteria and viruses. The platform used for detection is tiny devices fabricated with single-wall carbon nanotubes, and her aim is to develop sensors that can detect hazardous substances quickly and easily.

