

Speaker Profile



Dr. Yong-Hee Lee
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Dr. Lee has been a Professor of Physics at KAIST since 1991. Before his current position, he worked for AT&T Bell Laboratories, Holmdel in the digital optical computing department, from 1987-1991. During his stay at Bell Labs., he pioneered vertical cavity surface emitting lasers (VCSELs) and holds the original patent on the commercialized proton-implanted VCSEL.

In 1999, his laboratory was selected as a National Research Laboratory for Nanolasers. His current research topics include photonic crystals, nanophotonics and VCSELs. His recent demonstration of the electrically-driven single-cell photonic crystal nanolasers draws attentions of researchers working in this emerging field.

He received his B.S. in Physics from Seoul National University in 1977, and M.S. degrees in Applied Physics from KAIST, Korea in 1979, and Ph.D. degrees in Optical Sciences, Univ. of Arizona in 1986, respectively. After his Ph.D, he worked at the Optical Sciences Center as a post doctoral fellow until he joined AT&T Bell Laboratories.

He participates in various international societies such as, Lasers and Electro-Optics Society, International Semiconductor Laser Conference, Photonics West, OECC, IPRM and CLEO/Pacific Rim. He served as the Co-Chair of Technical Program Committee for OptoElectronics and Communications Conference 2005 held in Seoul, Korea.

He received the Award of the National Academy of Sciences in 2002, and was elected as IEEE Distinguished Lecturer 2003.

He lives in Daejeon, Korea with his wife and two children. His hobbies are Tennis, Golf, and Badook.