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Biography

Received B.S.E.E. (summa cum laude), Seoul National University, Korea, 1970; Received M.S., M.Phil., and Ph.D., Applied Physics, Yale University, 1973, 1975 and 1977, respectively, under Prof. John. B. Fenn (Yale Nobel Laureate, Chemistry, 2002) and Prof. Richard. K. Chang (Henry Ford II Professor, student of Prof. N. Bloembergen, Harvard Nobel Laureate, Physics, 1981). Conducted teaching, research and management at Yale, Princeton, AT&T, ETRI (vice president), KAIST, and at INHA in the fields of semiconductor physics, materials, devices, optoelectronics, photonics, and optical communication. Distinguished University Professor and Founder, School of Communication and Information Engineering; Dean, Graduate School of the Information Technology; Founding Director, OPERA (Optics and Photonics Elite Research Academy) and m-PARC (micro/nano-Photonics Advanced Research Center); Vice President, Optical Society of Korea; Founding President, IEEE-LEOS Korea; Founding Director, SPIE-Korea. 280 international refereed SCI-covered archival journal and review papers; 640 international conference presentations; 150 plenary, keynote, and invited talks in international conferences; Edited one books and 8 international proceedings; 120 international patents; 100 services as international conference chair, committee member, and advisor. Fellow of the APS (USA), IEEE (USA), IEE (UK), OSA (USA), SPIE (USA), KPS (Korea), IEEK (Korea), and Life Fellow, Korean Academy of Science and Technology. 20 national and international awards, including King Se-Jong Award; Grand Science Award; Presidential Medal of Honor (Science), Korea; IEEE Third Millennium Medal; and IEEE Photonic Society Distinguished Lecturer Award, USA. Editor-in-Chief, IEEE Photonics Technology Letters.

El-Hang Lee, a professor in the Dept. of Information and Communication Engineering at Inha University published an English-language book for scholarly purposes titled, 『VLSI Micro and Nanophotonics: Science, Technology, and Applications』 on October 1st.

Professor Lee, who is also the Director of the Optics and Photonics Elite Research Academy (OPERA), wrote and edited the book with the world's greatest scholars over the several years in response to a request by CRC Press (Francis & Taylor), a global publisher. The book suggests that the new vision for the 21st century will be "the age of photon", which appropriately succeeds the 20th century's vision, "the age of electron," symbolized as VLSI Micro and

Nanoelectronics. Many anticipate that the book will signal the beginning of another revolutionary field and could potentially produce many Nobel Prize winners.

The book describes the prelude to the technological revolution, when an electron-centered civilization progresses into a photon-centered one, which should consequently provide solutions for many of the world's fundamental problems in energy, environment and biological fields.

Professor Lee graduated from Seoul National University on the honor's list in electrical engineering in 1970 and then entered Yale University on a scholarship in 1972. There, he obtained a doctorate in applied physics under the guidance of Nobel Prize laureates such as Dr. John B. Fenn and Dr. Richard K. Chang. He then went on to work for over 20 years on an international level at Princeton University and the AT&T Lab. Professor Lee also worked at the Electronics and Telecommunications Research Institute as a research manager. When he was appointed a Dean at Inha University, he contributed to the establishment of the College of Information and Communication Engineering and Inha Graduate School of Information Technology and Telecommunications. He also established the Optics and Photonics Elite Research Academy (OPERA). Professor Lee is currently an IFP professor at Inha University.

Recently, he became the first Korean and the first Asian to be appointed Editor in Chief of the international journal, "IEEE Photonics Technology Letters." In this position, he continues to lead the progress of the 21st century global photonics and directs 30 of the world's best scholars.

Prof. Dr. El-Hang Lee is a Distinguished University Professor of Information Technology at INHA University, South Korea. Prof. Lee earned B.S.E.E. (summa cum laude) from Seoul National University, Korea in 1970 and M.S., M.Phil., and Ph.D. degrees in Applied Physics from Yale University in 1973, 1975 and 1977, respectively. [Advisors: Prof. John. B. Fenn, Yale Nobel Laureate, Chemistry, 2002, and Prof. Richard. K. Chang, Henry Ford II Professor, from Prof. N. Bloembergen, Harvard Nobel Laureate, Physics, 1981]

Prof. Lee conducted teaching, research and management at Yale, Princeton, AT&T, ETRI (vice president), KAIST, and INHA in the fields of semiconductor physics, materials, devices, optoelectronics, photonics, and optical communication. He is the Founding Dean, School of Communication and Information Engineering; Dean, Graduate School of the Information Technology and Telecommunications; Founding Director, OPERA (Optics and Photonics Elite Research Academy) and m-PARC (micro/nano-Photonics Advanced Research Center); Vice President, Optical Society of Korea; Founding President, IEEE-LEOS Korea; Founding Director, SPIE-Korea.

Prof. Lee published 240 international refereed SCI-covered archival journal papers and review papers; 640 international conference presentations; 100 plenary, keynote, and invited talks in international conferences; Edited international books and proceedings; Holds 120 international patents; Served 80 times as international conference chair, committee member, and advisor. Prof. Lee is a Fellow of the APS, IEEE, IEE (UK), OSA, SPIE, and a Life Fellow, Korean Academy of Science and Technology. Prof. Lee is a recipient of 20 national and international awards, including the King Se-Jong Award, Grand Science Award, Presidential Medal of Honor (Science), Korea, the IEEE Third Millennium Medal, and the 2007–2009 IEEE/LEOS Distinguished Lecturer Award.