

Biography

Young-Ho Cho is the Professor of Bio and Brain Engineering Department and Mechanical Engineering Department at KAIST, where he has been active in nanotechnology convergence research as the Director of Cell Bench Research Center, the Director of NanoSensuating System Laboratory at KAIST. He also leads National Convergence Technology Programs as the Director of National Circulating Tumor Cell Research Center, the Director of National Research Laboratory for Bio-inspired Human Cognitive Sensuating Systems and the Head of Emerging Technology Convergence Program Headquarter for National Growth Engine, the Ministry of Science, ICT and Future Planning.

Dr. Cho's research interests have been focused on the N/MEMS (Nano/Micro Electro Mechanical Systems), where bio-inspired sensors and actuators are integrated with cognitive profilers for the high-precision, low-power, low-cost processing of physical information carriers and biological substances in nano/micro-scales.

For international society, Dr. Cho served as the Chair of the international conferences, including IEEE MEMS Conference 2003, World Micromachine Summit 2008, and International Power-MEMS Conference 2011. In Korea, he served as the Founding Chair of MEMS Division in Korean Society of Mechanical Engineers, the Steering Committee Chair of Korea National MEMS Programs, the Executive Review Board for National R&D Programs, and the Planning and Adjustment Committee for National Science and Technology Council.

Young-Ho Cho received the BS degree (1980) *summa cum laude* from Yeungnam University, Daegu, Korea; the MS. degree (1982) from KAIST, Seoul, Korea; and the Ph.D. degree (1990) from the University of California at Berkeley. Previously, he was a Research Scientist (1982-1986) of CAD/CAM Research Laboratory, Korea Institute of Science and Technology (KIST), Seoul, Korea; a Post-Graduate Researcher (1987-1990) and a Post-Doctoral Research Associate (1991) of the Berkeley Sensor and Actuator Center. Dr. Cho is a member of IEEE and ASME.

