

Microwave Application Award

Recognizes an individual or team of no more than five individuals for an outstanding application of microwave theory and techniques, which has been reduced to practice nominally 10 years before the award.



Bumman Kim

For the Creation of Microwave Amplifications for Wireless Applications

Bumman Kim received the B.S. degree in Electronic Engineering from Seoul National University in Korea and Ph.D. degree in electrical engineering from Carnegie-Mellon University, USA. He joined the Central Research Laboratories, Texas Instruments Incorporated, where he was involved in development of GaAs power devices and related MMICs. He developed the first fully integrated millimeter-wave MMIC and the semiconductor based oscillator operation over 100 GHz. In 1989, he joined the Pohang University of Science and Technology (POSTECH), where he was Dean of academic affairs, Dean of graduate school, Namko Professor with the Department of Electrical Engineering, and Director of the Microwave Application Research Center funded by the Department of Defense. He continued in his research work on device and circuit technology for RFICs and power amplifier. His group contributed to the Doherty amplifiers, ET amplifier, and CMOS PAs for mobile communication systems. He has authored over 500 technical papers in international journals and conferences. He is a fellow of IEEE and IET. He is a member of the Korean Academy of Science and Technology and National Academy of Engineering of Korea. He has retired from POSTECH in February 2017.