Pioneer Award Winner 2022

Prof. Marian Pospieszalski

Marian W. Pospieszalski received the M.Sc. and D.Sc. degrees in Electrical Engineering from the Warsaw Institute of Technology, Warsaw, Poland, in 1967 and 1976, respectively.
From 1967 to 1984, Dr. Pospieszalski was with the Institute of Electronics Fundamentals, Warsaw University of Technology (WUT), during which time he held visiting positions with the Electronics Research Laboratory, University of California at Berkeley (1977-1978), the National Radio Astronomy Observatory (NRAO), Charlottesville, VA (1978-1979), and the Department of Electrical Engineering, University of Virginia, Charlottesville, VA (1982-1984).

Since 1984, he has been with the NRAO Central Development Laboratory, presently as Scientist with tenure. While on leave during 2001-2002, Dr. Pospieszalski was Chief Scientist-Microwave at Inphi Corporation, Westlake Village, CA.. His research interests are in the fields of microwave, millimeter-wave, and high–speed circuits and systems with special emphasis on cryogenic low noise devices and receivers.

Dr. Pospieszalski played a major role in the development of cryogenic receivers for all NRAO instruments, Very Large Array (VLA), Very Large Baseline Array (VLBA), Green Bank Telescope (GBT), and Atacama Large Millimeter Array (ALMA). He contributed to radiometer development for Wilkinson Microwave Anisotropy Probe (WMAP) and Low Frequency Instrument on ESA Planck satellite and many other ground based instruments searching for the anisotropies in cosmic microwave background radiation. Major radio astronomy observatories in Europe and Asia are also using his designs. Dr. Pospieszalski has authored or co-authored over hundred journal and conference papers.

Over many years he has served IEEE and specifically microwave community in various roles as a member of Editorial Boards, Technical Program Committee of International Microwave Symposium and other conferences, MTT Society Awards Committee, MTT Society Technical Committee on Microwave Low Noise Techniques (as Chair from 2001-2004) and as a reviewer for many journals.

In 1992, he was elected Fellow of IEEE. In 2002, he received the NRAO Distinguished Performance Award, in 2005 the Distinguished MIKON Conference Contributor Award and in 2006 the Microwave Application Award from the IEEE MTT Society.