

2008 N. Walter Cox Award

Dr. Charles M. Jackson

For exemplary service, given in a spirit of selfless dedication and cooperation. The N. Walter Cox Award recognizes an individual who has given exemplary service to the MTT-S in a spirit of selfless dedication and cooperation. The award is given in memory of N. Walter Cox, a longstanding MTT-S volunteer.



Dr. Jackson has been active in a broad range of microwave and millimeter-wave (mm-wave) technologies. After receiving his doctorate at UCLA, he worked on mm-wave radiometers, mm-wave mixers, COBE cryocooled mixers, and monopulse technology at Hughes for two years. At TRW, he worked on mm-wave mixers, FMCW radars, quasi-optical technology, and phased array technology. After the discovery of high-temperature superconductivity, he supported microwave technology for the Superconducting Electronics Department. He worked on HTS and ferroelectric phase shifters. Later, he worked on a number of mm-wave radiometer programs and supported an LNA production effort. He worked at Motia, Inc., designing a low-profile directTV receiver; Ditrans Corp., making digital transceivers for wireless communications; and Raytheon SAS, supporting phased-array radars. Now he works at Northrop Grumman supporting spacebased programs, and he applies microwave methods to the design of woodwind musical instruments.

Dr. Jackson has been chair of the Coastal LA MTT Chapter off and on over the years. He attended his first IMS in 1981 and served on the 1989 IMS in Long Beach, the 1994 IMS in San Diego, and the 1999 IMS in Anaheim; he also chaired the 2005 Symposium in Long Beach. He led the MTT effort to convert the MTT Transactions to a digital archive. Dr. Jackson was elected to the IEEE MTT AdCom and is a past president of the IEEE-MTT-S. He became a Fellow of the IEEE in 2007. He has supported recent Radio and Wireless Symposiums and continues to serve on a number of MTT committees. He looks forward to supporting the 2010 IMS in Anaheim.