

N. WALTER COX AWARD:

The N. Walter Cox Award recognizes an individual (IEEE MTT-S member) who has given exemplary service to the Society in a spirit of selfless dedication and cooperation. This year's recipient is **John Barr**.



John Barr

"In recognition of exemplary service to the MTT Society in a spirit of selfless dedication and cooperation"

(F-'02, SM-'84, M-'74, S-'69)

John Barr received a BSEE from Georgia Institute of Technology in 1971, a MSEE in 1974 from Stanford University and a MS in Engineering Management in 1982, also from Stanford. He retired after 37 years from Agilent Technologies / Hewlett-Packard in 2008. He held various engineering R&D roles, including as the R&D Manager/Director for Agilent's Wireless Semiconductor Test Solutions. Prior to retiring, he served as Agilent's EEs of Product Marketing Manager for RFIC EDA.

John's technical activities started with the development and design of RF and Microwave component measurement systems, including design of RF downconvertors, IF detectors and then the automation of these systems. His work in conventional and six-port network analyzers led to five patents and ten published papers covering vector error correction, time domain conversion and multi-parameter measurement systems. This evolved into a concentration in the development of high throughput manufacturing semiconductor test systems for RFICs and wireless communications ICs.

John is a Fellow of the Institute of Electrical and Electronics Engineers and first became active in the Microwave Theory & Techniques Society in the early 1980's. He was a MTT-S ADCOM member for ten (10) years, serving as President (2002), Vice President, Treasurer, Membership Services Chair, Operations Chair, Publicity Chair for MTT-S 1996 IMS, and Co-Vice Chair of MTT-11 Technical Committee. John was General Chair of the 2006 IEEE MTT-S International Microwave Symposium and the 2012 IEEE Radio & Wireless Week General Chair. He continues to be active with MTT-S.

He has participated as a reviewer for "Transactions on MTT", "Microwave and Guided Wave Letters", "Transactions on Instrumentation & Measurement" and "Proceedings of the IEEE" and has served on the International Microwave Symposium TPRC since 1990. He has contributed to the RF Components section of four iNEMI bi-annual roadmaps.

At the IEEE institute level, John is the 2013 IEEE Treasurer and member of the Board of Directors. He has served a member of the Technical Activities Board (TAB), TAB Treasurer, Finance Chair of Publication Services and Products Board (PSPB) and Chair of the TAB/PSPB Products & Services Committee, Chair of the TAB Periodical Products Committee and a member of IEEE Joseph F. Keithley Award in Instrumentation & Measurement selection committee.

Additionally, he has been active in Automatic Radio Frequency Techniques Group (ARFTG) since 1979 and was a member of the ARFTG Executive Committee from 1984 to 1996, President 1987 to 1989 and the ARFTG - MTT-S Coordinator from 1990-1997. John received the ARFTG Career Award in 2012.