MICROWAVE APPLICATION AWARD:

This award recognizes an individual or team for outstanding application of microwave theory and techniques. This year's recipient is **Allen Katz.**

Allen Katz

"For proposing, demonstrating and developing the multi-port (six-port) interferometer digital radio for wireless communication systems and sensor applications."

Dr. Allen Katz is a professor of Electrical/Computer Engineering at The College of New Jersey. He has more than 25 years of experience in the microwave and satellite industries. He received a Doctorate of Science and Baccalaureate degrees in Electrical Engineering from New Jersey Institute of Technology and a Masters of Science in Electrical Engineering from Rutgers University. His work spans the frequency range from UHF to light and has involved both hybrid and MMIC circuits including the design of the first practical MMIC linearizer. He is founder and President of Linearizer Technology, Inc., a New Jersey based company dedicated to distortion correction, and which now includes Linear Photonics, LLC and Linear Space Technology, LLC.

Dr. Katz is a Fellow of the IEEE and a past Micro¬wave Theory and Techniques (MTT) Society Distinguished Lecturer. He holds 17 patents and has written more than 100 technical publications. He received the IEEE Microwave Magazine Best Paper Award in 2010, the William Randolph Lovelace II Award for outstanding contributions to space science and technology from the American Astronautical Society in 2002, an IEEE Third Millennium Medal in 2000, the Martin Marietta Astro Inventor of the year award in 1993, an IEEE Centennial Medal in 1984, the ASEE Western Electric Fund Outstanding Engineering Educator Award in 1979, and three IEEE Region I Achievement Awards in 2008, 2001 and 1992,. He is a member of the Eta Kappa Nu, Tau Beta Pi and Phi Kappa Phi Honor Societies.

He is a program evaluator for the Middle States Commission on Higher Education and has visited 15 campuses. I was an Accreditation Board for Engineering and Technology (ABET) program evaluator for 12 years, a team leader for 5 years and served of the IEEE's Education Activities Board.

He was the initiator and the director of the Trenton Computer Festival (TCF) from 1976 to 1986 and from 1990 to present. TCF is the original computer festival in the world. In 2005 he was able to bring TCF back to the TCNJ campus for its 30th anniversary. It has remained on the TCF campus and will this year celebrated its 40th anniversary.

He is also a well known radio amateur (K2UYH) and was first licensed as a teenager with an interest primarily in the UHF/microwave frequencies and Moonbounce. He completed the first WAC above 144 MHz in 1976, the second WAS and more recently the third DXCC on 432 MHz. He has been editor/publisher of the "432 and Up EME Newsletter for more than 40 years, before that he edited the VHF column for CQ magazine. He has received the ARRL Technical Merit Award and the CSVHF Society's John Chambers Award among many other for his contributions to amateur radio. His work with the SETI (Search for Extraterrestrial Intelligence) League has received national attention in the form of an interview that has appeared on the Discovery and Learning Channels and several newspaper articles. Recently he assisted in calibrating the SETI Institute's Allen Radio Telescope.

Most importantly he has been married to a truly wonder wife for 47 years and has two lovely married daughters (one an artist and the other an electrical engineer) and 5 terrific grandchildren (including a set of triplettes!).