

1994 Microwave Career Award

Yoshihiro Konishi

The Microwave Career Award is the highest honor bestowed by MTT-S. It recognizes an individual for a lifetime career of meritorious service and technical excellence in our field. This year's recipient is Dr. Yoshihiro Konishi, recently retired Senior Executive Vice President of Uniden Corporation. Dr. Konishi had a very distinguished career and has been a major contributor to our profession. He had, despite his administrative duties, always stayed close to the technology. He will now transmit his wealth of knowledge to university students who are fortunate to have an outstanding individual like Dr. Konishi as a teacher.

The award consists of a plaque, a certificate and a check for \$2,000. The Career Award Citation reads: FOR A CAREER OF MERITORIOUS ACHIEVEMENT AND OUTSTANDING CONTRIBUTIONS TO THE FIELD OF MICROWAVE THEORY AND TECHNIQUES.

Yoshihiro Konishi was born in Nara, Japan on September 28, 1928. He received his B. Engr. and Ph.D. in engineering from Kyoto University, Japan, in 1951 and 1961, respectively.

He joined Nippon Hoso Kyokai (NHK, Japan Broadcasting Corporation) in 1951. In 1953, he began working at NHK Technical Research Laboratories, where he was engaged in research on microwave field theory as well as microwave filter and microwave ferrite components. He invented a mesh type lumped element circulator, which is widely used in broadcasting and communications at present. He was also engaged in research on microwave receivers such as parametric amplifiers and low noise receivers for satellite broadcasting. He invented the planar circuit mounted in wave guide and he was successful in developing a low noise, low cost satellite receiver using the circuit. When he was project leader, NHK and NASA conducted joint experiments for the development of a Satellite Earth Station, using the newly developed receiver.



From 1962 to 1963 he was a visiting scholar at the Microwave Research Institute of the Polytechnic Institute of Brooklyn (now Polytechnic University of New York). In 1983, he retired as Director of NHK Technical Research Laboratories and joined Uniden Corporation as Senior Executive Vice President. In September of 1993, he retired from Uniden Corporation. He is now Professor in the Department of Electrical Engineering of Tokyo Institute of Polytechnics and the Chief Technical Advisor to Uniden Corporation. He is a senior editor for Asia for the IEEE Society on Broadcast Technology. He is also a member of the editorial board of the IEEE Transactions on Microwave Theory and Techniques.

Dr. Konishi received the Medal with Purple Ribbon from the Emperor of Japan in 1982. Among other awards, he has received the Award of the Minister of the Post Office in 1978, the Award of the Minister of the Patent Bureau in 1977, the Award of the Minister of State for Science and Technology in 1979.