

Microwave Career Award

This award recognizes an individual for a career of meritorious achievements and outstanding technical contribution in the field of microwave theory and techniques. This year's recipient is **Tibor Berceli**.

"For a Career of Leadership, Meritorious Achievement, Creativity and Outstanding Contributions in the Field of Microwave Theory and Techniques."



Tibor Berceli's

Tibor Berceli graduated in electrical engineering at the Technical University of Budapest in Hungary in 1951. He received the Ph.D. in 1955 and the Doctor of Technical Science (D.Sc.) degree in Hungary in 1965.

He started his technical career at the TKI, Research Institute for Telecommunications in Budapest where he worked for more than 50 years. Since 1962 he was also professor at the Technical University of Budapest. He is now Professor Emeritus there. He has courses on active nonlinear microwave circuits and combined optical-microwave systems. With his guidance many students received the Ph.D. degree. Presently he has 4 Ph.D. students. He is also member in the Speakers Bureau of the IEEE MTT Society.

Dr Berceli made several contributions in the area of nonlinear microwave circuits. The theoretical achievements are summarized in his book "Nonlinear active microwave circuits". In microwave photonics he made significant contributions to lightwave-microwave mixing processes and indoor networks. Now he

does investigations on optical broadband systems using software defined radio technology.

Tibor is Life Fellow of IEEE. He received an Award from IEE in England in 1965. He got State Prize in Hungary in 1980. That is the highest award for research work in his country. He received the Award of the MIKON Conference in 2002 and the EuMA Distinguished Service Award in 2006.

Tibor regularly participates in the work of the International Microwave Symposium as member of the TPC on Microwave Photonics. He organized Workshops at IMS several times. He is member of the Technical Program Committee for the European Microwave Conference and MIKON conference for many years. He organized Workshops of the URSI General Assembly 6 times. Tibor was the chairman of MTT Joint Chapter in Hungary for 10 years. The Chapter received 3 Awards for its activity.

Dr Berceli organized the Microcoll conference 6 times in Hungary. It was started as the second international microwave conference after the IMS in 1959. It served as a forum for scientists from the West and East during the cold war.

Tibor participated in 9 European research projects working together with many scientists from different European countries. He participated in the European NEFERTITI and ISIS Network of Excellence projects and in 6 COST co-operations. He made research co-operation with Drexel University, MIT in USA, Technical University Grenoble and CNAM in France.

He was researcher at Polytechnic Institute of Brooklyn in 1964, and later visiting professor at University College London, Drexel University, Technical University of Hamburg-Harburg, Osaka University, Technical University of Grenoble, Helsinki University of Technology and The University of Sydney.

Tibor is the author of 326 scientific papers and 6 books published in English. He received 26 patents for his inventions.