EuMA DISTINGUISHED SERVICE AWARD

The award is the highest honor EuMA confers
The award is given each year during the European Microwave Week (EuMW)
The award is a bronze medal carrying the name of the awarded
The award is given to recognize the person who has given outstanding service for the benefit of the European microwave community and, in particular, for the advancement of the EuMW

Professor Tibor Berceli

Prof. T.Berceli has long experience in the European microwave community
From the very beginning he participated in EuMC and chaired the 20th Conference in Budapest.

Born in Budapest, Hungary
Graduated MSc Electrical Engineering at the Technical University of Budapest.
Candidate of Technical Science (Ph.D.)
Doctor of Technical Science (Dr. of Sc.) degrees from the Hungarian Academy of Sciences
Professor of Electrical Engineering with courses on active nonlinear microwave circuits, microwave systems and combined optical-microwave techniques

He was visiting professor
1964: Polytechnic Institute of Brooklyn (New York, USA)
1986: University College London (UK)
1988: Drexel University (Philadelphia, USA)
1991:Technical University of Hamburg-Harburg (Germany)
1992: Osaka University (Japan)
1994: Technical University of Grenoble (France)
2001: Helsinki University of Technology (Finland)
2004: University of Sydney (Australia)

He organised conferences and workshops
1986: Microcoll
1986: URSI International Symposium on Electromagnetic Wave Theory
1990: 20th European Microwave Conference
1990: Microcoll
1993: IEEE Microwave Photonics Conference
1999: Microcoll
2003: Microcoll

He organized workshops at the European Microwave and MIKON Conferences
He has the title of Center Professor at Drexel University in Philadelphia
He is member of the IEEE Speakers Bureau
He is Fellow of IEEE
He has authored 186 papers and published 6 books in English, he has 26 patents

Dr. Berceli made significant contributions to non-linear active microwave circuits.
Some of his new results are:
 generation of coherent common carriers for a multi-channel microwave system,
 improvement in frequency synthesizers,
 broadband parametric amplifiers,
 linearization of frequency modulation,
 development of low distortion three-stage injection locked oscillators,
 high isolation waveguide switches, sub-harmonic injection locked stabilization of millimeter wave oscillators.

He initiated a new combined light wave-microwave phase detector, which offers an improved method to stabilize the frequency of MMIC oscillators by an optically fed reference signal.
He made significant contribution to the combined light wavemicrowave mixing processes.
He created a new double-stage optically injection locked oscillator to reduce the carrier frequency noise for active phased array antennas.
He suggested new methods for optical millimeter wave generation and sub-carrier type optical reception.

EuMA thanks Professor Berceli for providing outstanding services benefiting the European Microwave Community