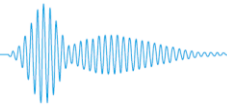


Keynote Speaker:

Dr. Dan Pupeza

REP

Radio Engineering Pupeza



Manager

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Title of presentation:

Using GDMA principle in UHF RFID applications

GDMA \equiv Geometry Domain Multiple Access

RFID \equiv Radio Frequency Identification

Dan Pupeza received MS, Electronics Engineer/Physicist, from the Polytechnic Institute, Bucharest, Romania in 1968. Till 1978 he was Research engineer and project coordinator for communications equipment at the Electronic research Institute in Bucharest, Romania. He has designing solid state linear power amplifiers for SSB transmitters, automatic antenna matching units, TCXOs for large temperature ranges, VHF Transmitters for calibration of radar stations. In 1978 has started research activities on Microwave Cavity Stabilized Oscillators intended for satellite communications. Till 1990 was department manager of microwave communications in the electronic research institute in Bucharest, Romania, developing satellite receiving stations, antennas and navigation receivers. In 1990 he received PhD, Radio Communications from the Polytechnic Institute, Bucharest, Romania. After receiving a passport he leaved Romania and established in Germany, Bad Salzdetfurth. He works further in microwave and satellite communications, developing Ku band VSAT Transceivers, low phase noise synthesizer for applications at 13GHz and for CATV, providing technical support in the design of radio relay links at 23GHz and 38GHz, designing GSM repeaters, antennas and cavity filter with quartz-like characteristics as employed in different German companies.

In 2014 he founded its company, Radio Engineering Pupeza. He is doing research and developing activities in the field of microwave communications, antennas, radar, localization and RFID.

The company is supported for marketing, mechanical engineering as software experience too. We find most interesting multidisciplinary activities and new ways to achieve strange targets.

More than 20 papers are written till 1995 and patents till 1994 are available.