

# Awards

## Presentation of Meritorious Service Award and Vitold Belevich Award at ECCTD 2003 (by Professor Josef Nossek)

Ladies and Gentlemen, dear ECS and CASS Friends, First of all, I would like to thank Maciej Ogorzalek and his colleagues for having organized a wonderful conference in historic and beautiful Krakow. At the end of the second day of the conference, I think we can already rightfully say this. I am especially grateful that it is possible for the IEEE CAS Society to present two important society awards at this conference. This demonstrates the excellent relationship between ECCTD and ECS and the IEEE Circuits and Systems Society, and also the prominent role of the European Circuits and Systems Community within IEEE CASS.

CAS Society awards were presented at the last ECCTD in Espoo, which many of you will certainly remember as a wonderful conference as well. But there is something special today, as you will see and hear in a minute. It is my pleasure as Past President of CASS to present both the Meritorious Service Award and the new Vitold Belevich Award.



The Meritorious Service Award is given annually for outstanding long-term service for the welfare of the IEEE CASS. The 2003 recipient of this important award is Prof. Hari Reddy from California State University at Long Beach, California. Hari has served as a member of the BoG, as VP Conferences, and as President Elect, President 2001, and Past President – altogether 10 years of service.

In addition, he was Associate Editor for one of our transactions, and has organized several special sessions – and this is not even mentioning his scientific contributions and achievements. Throughout my own involvement with CASS, I have never met a volunteer who has put more time, effort and dedication in his service to the society. From his many activities I will name only one, the establishment of an Executive Office for the society, which is of crucial importance for a society of our size and scope in today's troublesome economic times. The award consists of a plaque and a check. The citation on the plaque reads, "For outstanding long-term and dedicated service to the welfare of the IEEE CAS Society with far-reaching impact on the development of the society." Hari, congratulations, you really deserve it!



The presentation of the second award this evening is a premiere. This second award, the "Vitold Belevich Award" is new. It is intended to honor a person for fundamental contributions to the field of CAS which have long-lasting effects.

Introducing a new award is a twofold motivation: first, it honors the monumental contribution of the person after whom the award is named, and secondly it gives yearly recognition (or every second year, the Belevich Award will be given biannually) for important contribu-

tions along the same lines. Therefore, let me first say a few words about Belevitch, who after the tragic death of Wilhelm Cauer at the end of WWII, became the most eminent figure in the field of circuits and systems in Europe. His most important contribution was the development of a coherent theory of passive multiports using the scattering matrix concepts, which he himself originally and independently introduced in his doctoral thesis in 1945. He contributed particularly to filter theory, modulator theory, and nonlinear circuits. In addition to these topics, he had very broad interests and talents, and himself received many important honors. From these, I am mentioning only one: in 1975 he received a honorary doctorate from my university, the Munich University of Technology.

But now, let me come to the first recipient of the Vitold Belevitch Award this year: Prof. Alfred Fettweis from the Ruhr Universität in Bochum, Germany.

Prof. Fettweis has made many important contributions of a fundamental nature. Most prominent is his concept of

wave digital filters which he introduced first around 1970 and which has been further developed, extended and generalized in various respects. The most important generalization is the utilization of the concept of multidimensional WDF as a vehicle in the numerical solution of partial differential equations, e.g. Navier Stokes equations or Maxwell's equations.

It is also worth mentioning that Prof. Fettweis had the privilege to work with Vitold Belevitch for several years and that Vitold Belevitch was the advisor of his doctoral thesis. Therefore Prof. Fettweis is the perfect first recipient of this novel award. The award consists of a plaque and a check. The citation on the plaque reads, "For the invention of wave digital filter and major contributions to the use of circuit theory in numerical mathematics and physics." Congratulations, Prof. Fettweis.

*Krakov, September 2, 2003*

*Josef A. Nossek, 2003 Past President IEEE CASS  
and Chair of the Awards Committee*

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