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94. Sastanak IEEE u Novom Sadu / 94th IEEE Meeting in Novi Sad

Obaveštenje / Announcement

Prof. Irina Vendik, Ph.D.

IEEE Member

St.-Petersburg Electrotechnical University
Dept. Microelectronics and Radio Engineering
ST. PETERSBURG, RUSSIA

u **petak, 23. 04. 2010.** u Sali 319 (Blok F) Fakulteta tehničkih nauka u Novom Sadu, sa početkom u **12:00 h**, održati

On **Friday, April 23, 2010**, in the Hall 319 (Block F) of the Faculty of Technical Sciences Novi Sad at **12:00 pm** will deliver

P R E D A V A N J E
L E C T U R E

DESIGN OF TUNABLE AND RECONFIGURABLE LTCC MICROWAVE DEVICES

Projektovanje podesivih i prepodesivih LTCC mikrotalasnih uređaja

Abstract: The presentation will include: Concept of Metamaterial Transmission Lines (The main characteristics of transmission line (TL) section, Artificial TL with positive dispersion and negative dispersion, TL sections on lumped components), Power Divider-Combiners on a Combination of TLS With Positive And Negative Dispersion (Branch-line directional coupler, Miniaturization of the device using multilayer LTCC technology, Miniature rat-race ring, Wilkinson power divider-combiner, Tuneable rat-race ring; limitation of the range of tenability, Reconfigurable Wilkinson power divider-combiner), Miniature Filters on LTCC Technology (Band - pass miniature filters based on a combination of artificial TL sections with positive and negative dispersion, Tunability of the filters on artificial TL sections, Design of tunable filters and Dual-band filters)

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