



UNIVERSITY  
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95. Sastanak IEEE u Novom Sadu / 95<sup>th</sup> IEEE Meeting in  
Novi Sad  
**Obaveštenje / Announcement**

## Prof. Orest Vendik, Ph.D.

*IEEE Member*

Department of Physical Electronics and Technology  
St.-Petersburg Electrotechnical University  
ST. PETERSBURG, RUSSIA

u **petak, 23. 04. 2010.** u Sali 319 (Blok  
F) Fakulteta tehničkih nauka u Novom  
Sadu, sa početkom u **13:00 h**, održati

On **Friday, April 23, 2010**, in the Hall 319  
(Block F) of the Faculty of Technical  
Sciences Novi Sad at **1:00 pm** will deliver

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

### **FERROELECTRICS AND THEIR APPLICATION TO MICROWAVE PHASE SHIFTER DESIGN**

**Feroelektrici i primena za projektovanje mikrotalasnih faznih pomerača**

*Abstract:* The presentation will include: Model of Dielectric Response of Ferroelectrics (History of application of ferroelectrics in microwave technique, Model of dielectric response of ferroelectrics, Dielectric response of thin film ferroelectric samples. Size effect), Dissipation Characteristics of Ferroelectrics at Microwaves (Modeling dissipation characteristics of ferroelectrics at microwaves, Commutation quality factor as a working tool for optimization of microwave ferroelectric devices), Microwave Phase Shifters Based on Ferroelectric Materials (Design of the ferroelectric microwave phase shifters, How to provide a wide operational temperature range of microwave ferroelectric phase shifters)

*Katedra za elektroniku i*

 <b>IEEE</b> <i>Networking the World™</i>	<b>IEEE – Serbia &amp; Montenegro Section</b>	  
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