



УНИВЕРЗИТЕТ
У НОВОМ САДУ



ФАКУЛТЕТ
ТЕХНИЧКИХ НАУКА

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Сертификован
систем
квалитета



Obaveštavamo sve zainteresovane
Announcement

Prof. Ian Hunter

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u **sredu, 04. 02. 2009.** u Svečanoj Sali
Fakulteta tehničkih nauka u Novom
Sadu, sa početkom u **11:00 h**, održaće

On **Wednesday, February 4, 2009**, in
Ceremonial Hall of Faculty of Technical
Sciences, Novi Sad at **11:00 am** will deliver

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

RECENT ADVANCES IN MICROWAVE FILTERS

Najnovija dostignuća na polju mikrotalasnih filtera

Abstract: The lecture will present recent advances in techniques for the design and realisation of microwave filters for a variety of applications including mobile and satellite communications, and radar. The first area, *lossy filters*, is that of the synthesis of filters with finite dissipation loss. This enables the realisation of highly selective filters with lower resonator Q factor than conventional design approaches, consequently reducing the physical size of filters in receiver applications. The second approach, *frequency selective limiters*, is a non-linear filtering technique which reduces the dynamic range of signals across a wide frequency band, enabling simpler A-D conversion of radar signals. The third technique, *reconfigurable filters*, is a new method for constructing tunable band-pass filters with low loss and high intercept point. Finally we will present results on techniques for the design of *multi-mode patch antennas* with filtering characteristics, enabling wider band and multi-band operation

Suorganizatori: EuMA Group 11, Katedra za elektroniku i

 IEEE <i>Networking the World™</i>	IEEE – Serbia & Montenegro Section	
	Microwave Theory and Techniques Society	
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