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120. Sastanak IEEE u Novom Sadu /
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Obaveštenje / Announcement

APOSTILLE

Dr Jovan Matović

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u **ponedeljak, 01.04. 2013.** na Fakultetu tehničkih nauka u Novom Sadu, F-blok, treći sprat F319, sa početkom u **12:00h**, će održati

On **Monday, April 01, 2013**, at the Faculty of Technical Sciences, Novi Sad, F-block, third floor, room F319 at **12:00 pm** will deliver

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

NANOMEMBRANES – THE OVERLOOKED NANOSTRUCTURES
MALO POZNATE NANOSTRUKTURE

Abstract: From classes of nanostructures according to its dimensionality [zero-dimension (dots and cages), 1-D (nano-wires and channels), 2-D (nano films and membranes) and 3-D nanostructures], the 2-D nanomembrane structures are at least known class. Nanomembranes are distinct from nano-films, as there is no influence of subtract which can be dominant the nano world. In last decade, the progress in the field of nanomembranes is impressive. They are fabricated in a thickness of few atoms, and with lateral dimension in the cm range. Materials of nanomembranes include metals, alloys, oxides and ceramics, macromolecules and combinations of these materials. Regardless early status of development, the nanomembranes find numerous applications, including exotic measurement of the Casimir force, various sensors and measuring apparatus, energy harvesting, ultrafast electronic components, smart separation and delivery.

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