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**Tuesday, October 16, 17:30-19:30, Room “C”**

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**MICROSENSORS AND  
MICROSYSTEMS**

**Session: M&M**

***Poster presentations***

Chair:

**C. Cobianu**, Honeywell Romania SRL, Bucharest,  
Romania

**F. Craciunoiu**, IMT Bucharest, Romania

**M&M. 1** *SOME TECHNOLOGICAL AND ENCAPSULATION ISSUES OF SAWS MANUFACTURED ON LANGASITE*, **N. Dumbravescu**, **V. Buiculescu**, IMT Bucharest, Romania.

**M&M. 2** *HYDROPHOBIC ZnO USED IN EWOD TECHNOLOGY AND SAW DEVICES FOR BETTER BIO-FLUID SLIP AT MICROCHANNEL WALLS CONTROLLED BY DC PULSES*, **L. Sirbu<sup>1</sup>**, **L. Ghimpu<sup>1</sup>**, **R. Muller<sup>2</sup>**, **I. Voda<sup>3</sup>**, **I.M. Tiginyanu<sup>1</sup>**, **V. Ursaki<sup>4</sup>**, **T. Dascalu<sup>5</sup>**, <sup>1</sup>“D. Ghitu” Inst. of Electronic Engineering and Nanotechnologies, Chisinau, Moldova, <sup>2</sup>IMT Bucharest, Romania, <sup>3</sup>Inst. of Chemistry of the Academy of Sciences of Moldova, Chisinau, <sup>4</sup>Inst. of Applied Physics of the Academy of Sciences of Moldova, Chisinau, Moldova, <sup>5</sup>National Inst. for Laser, Plasma and Radiation Physics, Bucharest, Romania.

**M&M. 3** *NEARFIELD EFFECT IN A NANOTUBE/ NANOPOR ARRAY SYSTEM FOR APPLICATION IN EWOD DEVICES THAT ARE OPERATING IN THz REGION*, **L. Sirbu<sup>1</sup>**, **V. Sergentu<sup>2</sup>**, **R. Voicu<sup>3</sup>**, **I.M. Tiginyanu<sup>1</sup>**, **V. Ursaki<sup>2</sup>**, <sup>1</sup>“D. Ghitu” Inst. of Electronic Engineering and Nanotechnologies, Chisinau, <sup>2</sup>Inst. of Applied Physics, Chisinau, Moldova, <sup>3</sup>IMT Bucharest, Romania.

- M&M. 4** *ON THE POSSIBILITY TO REALIZE THE MAGNETO- CONCENTRATION EFFECT IN FILIFORM MICRO- AND NANO-STRUCTURES*, **A.M. Ioisher<sup>1</sup>, E.A. Aleinikov<sup>1</sup>, E.Ya. Badinter<sup>1</sup>, N.I. Leporda<sup>2</sup>, I.M. Tiginyanu<sup>2</sup>, V.V. Ursaki<sup>3</sup>**,  
<sup>1</sup>Research Inst. “ELIRI”, <sup>2</sup>“D. Ghitu” Inst. of Electronic Engineering and Nanotechnologies,  
<sup>3</sup>Inst. of Applied Physics, Chisinau, Moldova.
- M&M. 6** *MICRO-PIV MEASUREMENTS FOR HYDRODYNAMIC CHARACTERIZATIONS OF MICROFLUIDIC FLOWS*, **C.M. Balan, C. Marculescu, C. Iliescu\***, IMT Bucharest, Romania, \*Inst. of Bioengineering and Nanotechnology, Singapore.
- M&M. 7** *DESIGN OF LOW COST SURFACE PLASMON RESONANCE SENSOR*, **M. Kusko**, IMT Bucharest, Romania.

**20:30 BANQUET, RINA Sinaia Hotel, Restaurant Hall**

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