



**Micro-Nano Systems Laboratory**

**Romanian Space Agency**

## **International Workshop**

# **Atomic Force Microscopy for Nanotribological Characterization of Thin Films**

**3<sup>rd</sup> September 2015**

**103-105 Bd. Muncii, E11, Cluj-Napoca, Romania**

**Organized by:**

**Technical University of Cluj-Napoca  
Micro Nano Systems Laboratory - MiNaS**

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## PROGRAMME

Friday, 03<sup>rd</sup> September 2015

- 09.00-09.30**      [Welcome](#)  
Technical University of Cluj-Napoca, Faculty of Machine Building,  
Room E11, 103-105 Bd. Muncii, Cluj-Napoca
- 09.30-10.00**      [Nanotribological characterization of thin films for MEMS applications](#)  
**Corina Birleanu**  
Technical University of Cluj-Napoca, Romania
- 10.00-10.30**      [AFM research activities in MiNaS Laboratory](#)  
**Marius Pustan**  
Technical University of Cluj-Napoca, Romania
- 10.30-11.00**      [Thin films for MEMS. Data](#)  
**Raluca Muller**  
National Institute for Research and Development in  
Microtechnologies - IMT Bucharest
- 11.00-11.30**      [Methods for experimental testing of microcomponents](#)  
**Zygmunt Rymuza**  
Warsaw University of Technology
- 11.30-11.45**      **Coffee break**
- 11.45-12.15**      [The influence of the substrate on nano characterization of different thin films \(glass, plastic and steel\)](#)  
**Violeta Merie**  
Technical University of Cluj-Napoca, Romania
- 12.15-14.15**      [Laboratory AFM Exploration](#)  
**Marius Pustan and Corina Birleanu**  
Technical University of Cluj-Napoca, Romania
- 14.15 - 15.00**      [Conclusions](#)

### Convenors:

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