

# 2014 KRCF-HAS International Workshop on Graphene and 2D Materials

## *-Scientific Program-*

### **19<sup>th</sup> June – Thursday**

**13:00 -13:35 Philippe Lambin** (*University of Namur*) Elastic properties and stability of physisorbed graphene.

**13:35 - 14:00 Yong-Sung Kim** (*Korea Research Institute for Standards and Science*) Native Defects in Single-Layer MoS<sub>2</sub>.

**14:00 - 14:25 Zoltán Osváth** (*MTA-TTK-MFA*) Structure-property characteristics of graphene/nanoparticle hybrid materials

**14:25 - 14:50 Wondong Kim** (*Korea Research Institute for Standards and Science*) Photoemission Spectroscopic Study on the Graphene Oxide Layer Produced by Dry Processes

*14:50 - 15:10 Coffee Break*

**15:10 - 15:45 Andrey Turchanin** (*University of Bielefeld*) 2D carbon materials by conversion of organic monolayers.

**15:45 - 16:10 József Cserti** (*Eötvös University Budapest*) Effect of the band structure topology on the minimal conductivity for bilayer graphene with symmetry breaking.

**16:10- 16:35 Levente Tapasztó** (*MTA-TTK-MFA*) Magnetic order on zigzag edges of narrow graphene nanoribbons.

**16:35 -17:00 Endre Tóvári** (*Technical University Budapest*) Ballistic charge transport in suspended graphene.

### **20<sup>th</sup> June – Friday**

**10:00 - 10:35 Vincent Bouchiat** (*CNRS - Grenoble*) Macroscopic graphene monolayers for quantum devices :application to tunable superconducting circuits and quantum Hall effect metrological devices.

**10:35 - 11:00 Chanyong Hwang** (*Korea Research Institute for Standards and Science*) Initial growth of h-BN on Cu substrate.

**11:00 - 11:25 Péter Nemes-Incze** (*RWTH-Aachen*) Creating tailor made strain profiles in graphene.

**11:25 - 12:00 Jani Kotakoski** (*University of Vienna*) Atomic structure and electron-beam-driven dynamics of defects in graphene.