

International Workshop on 2D Materials

-Scientific Program-

16th October – Friday

10:00 - 10:10 *Opening*

10:10 - 10:40 Giuseppe Iannacone (*University of Pisa*) Electronics based on heterostructures of 2D materials.

10:40 - 11:00 Chanyong Hwang (*Korea Research Institute for Standards and Science*) Growth of Graphene on Cu(110), O-Cu(110) and Ge(110) surface.

11:00 - 11:20 Levente Tapasztó (*MTA-EK-MFA*) Scanning Tunneling Microscopy of 2D transition metal dichalcogenides.

11:20 – 11:50: Suklyun Hong (*Sejong University*) Theoretical investigation of growth and structure of 2D materials.

-----*Lunch break*-----

13:30 -14:00 Jonghwa Eom (*Sejong University*) Tuning of electrical properties of 2-dimensional layered crystals.

14:00 - 14:20 József Cserti (*ELTE*) Finite-size effects on the minimal conductivity in graphene with Rashba spin-orbit coupling.

14:20 - 14:40 Suyong Jung (*Korea Research Institute for Standards and Science*) Single-particle tunneling through Graphite/h-BN/Graphene Junction.

14:40 - 15:10 Otakar Frank (*Academy of Sciences of the Czech Republic*) 2D materials under axial compression.

-----*Coffee break*-----

15:30 - 16:00 Alexander Georgi (*RWTH Aachen*) Tunable pseudomagnetic fields up to 4000 T induced in graphene by a scanning tunneling microscope tip.

16:00 - 16:20 Zoltán Osváth (*MTA-EK-MFA*) Atomic and electronic structure of graphene-gold nanohybrids.

16:20- 16:40 Péter Rakyta (*ELTE*) Landau levels and Shubnikov-de Haas oscillations in monolayer transition metal dichalcogenide semiconductors.