

Graphene School

from fundamental properties to applications

8th - 11th April 2013

Ajdovščina, Slovenia

Monday 8th April

9:00 - 10:00

Jose Gonzalez Carmona (ICMM-CSIC Madrid, Spain): Electronic properties of Graphene

10:00 - 12:00

Andreas Isacson (Chalmers, Sweden): Mechanical properties and Continuum models of graphene mechanics

14:00 - 15:00

Victor Gueskine (Mons University, Belgium): Structural and electronic properties of graphene-organic hybrids: Modeling insights

15:00 - 17:00

Practical session on computer based graphene modeling

Tuesday 9th April

9:00 - 10:00

Jose Angel Martin-Gago (ICMM-CSIC Madrid, Spain): Adsorbates on Graphene

10:15 - 11:00

Jose Gonzalez Carmona (ICMM-CSIC Madrid, Spain): Confinement of charge by pseudomagnetic fields in graphene.

11:00 - 12:00

Karsten Horn (Max Planck Institut Berlin, Germany): Electronic structure of Graphene on metals and silicon carbide investigated by photoemission

14:00 - 15:00

Gvido Bratina (UNG, Slovenia): Measurement of transient photocurrents: a tool to characterize charge carrier transport in graphene-based thin-film structures

15:00 - 17:00

Practical session on Time-of-Flight characterization of Graphene

Wednesday 10th April

9:00 - 11:00

Vanya Darakchieva (Linköping University, Sweden): THz to deep ultraviolet spectroscopic ellipsometry and Optical Hall effect: novel approaches to study electronic properties of epitaxial graphene

11:00 - 12:00

Vincenzo Palermo (CNR Bologna, Italy): Touching graphene: structural and electrical characterization of monoatomic materials by scanning probe microscopy

14:00 - 15:00

Maurizio Prato (Carbon Nanotechnology Group): Chemistry of Graphene and Applications

15:00 - 17:00

Practical session on AFM, EFM and KFM of Graphene

19:00 Social dinner

Thursday 11th April

9:00 - 11:00

Luigi Colombo (Texas Instruments Inc.): Graphene growth and device integration

11:00 - 12:00

Francesco Bonaccorso (University of Cambridge, UK): Solution processing of graphene and Raman spectroscopy

please check webpage for detailed programme

Organizing Committee

Gvido Bratina
Egon Pavlica
Vesna Mržek
Manisha Chhikara

Advisory Board

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Erik Janzén (Linköping University, Sweden)



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Participants who don't need lodging please just inform us on graphene@ung.si so that we prepare enough space. The event is free of charge. Lectures are in English.

<http://www-lfos.ung.si/graphene-workshop>