

Durante o período de debate, pedimos que responda às seguintes questões /

During the debate time, we ask you to answer the following questions:

1) Como é que o trabalho de cada um dos oradores se pode integrar na Flagship? /
How can each speakers work be integrated in the flagship?

2) Como é que a Flagship pode evoluir de modo a integrar o trabalho desenvolvido por cada orador? / How can the flagship evolve to integrate each speakers' work?

Workshop on graphene and other 2D materials: A roadmap for Portugal

| Time | WP | Presenter | Affiliation | Presentation title |
|-------|----------------------------------|---------------------------|--|---|
| 9:00 | Workshop Opening | | Prof. António Cunha, Rector of Universidade do Minho Prof. Eduardo Maldonado, Coordinator of NCPs/FCT | |
| 9:15 | Mar García Hernández | Graphene WP Leader | Graphene Flagship and Materials Domain | |
| 9:35 | Eduardo Maldonado | FCT | ERA NET to support participation on national teams in Flagship Activities | |
| 9:45 | Materials | Yuliy Bludov | UM | Surface plasmon-polaritons in graphene: a way to tunable excitation |
| 10:10 | | Maria Conceição Paiva | UM | Synthesis of graphene nanoribbons from carbon nanotubes |
| 10:35 | | Florinda Costa | UA | Synthesis of graphene and graphene hybrids by CVD and laser ablation techniques |
| 11:00 | Debate | | | |
| 11:15 | Coffee Break | | | |
| 11:45 | Health and Environment | João Pedro Alpuim | UM, INL | Chemical vapor deposition of graphene and device fabrication over large areas: towards THz modulators and biosensing applications |
| 12:10 | | Paula Marques | UA | Interfacing graphene-based nanomaterials with health and environmental sciences |
| 12:35 | | Fernanda Cássio | UM | Toxicology and environmental risks of nanomaterials |
| 13:00 | Debate | | | |
| 13:15 | Lunch | | | |
| 14:15 | Fundamental Science | Helder Crespo | UP | Nonlinear ultrafast optics in graphene: efficient broadband frequency conversion and its application to femtosecond pulse measurement |
| 14:40 | | Joaquin Fernandez Rossier | INL | Spin Physics in Graphene (and other two dimensional crystals) |
| 15:05 | | Eduardo Castro | IST-UTL | Silicene and MoS ₂ : 2D electronic physics beyond graphene |
| 15:30 | | Vitor Amaral | UA | Radioactive Ion Local Probing and Doping on Graphene |
| 15:55 | | José Luis Martins | IST-UTL | Review of density functional methods applied to the electronic structure of graphite |
| 16:20 | Debate | | | |
| 16:35 | Coffee break | | | |
| 17:05 | Optoelectronics / Nanocomposites | Peter Shellenberg | UM | Optical and Spectroscopic properties of graphene |
| 17:30 | | Manuel Franco | UM | Unzipping, stacking and folding |
| 17:55 | | Konstantin Romanyuk | UA | Nanoscale study of V ₂ O ₅ -graphene composites via Scanning Probe Microscopy |
| 18:20 | | Manoj Singh | UA | Production and Engineering of graphene for applications in Nanoelectronics |
| 18:45 | Debate | | | |
| 19:00 | Conclusions | | | |

June 18-th, 2013, Escola de Ciências, Universidade do Minho