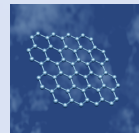




GRAPHENE 2020 – opportunities for Europe

March 21 – 22, 2011



Meeting room: building of the Committee of the Regions,
Belliard str. 99/101, Brussels (room 52 on the 5th floor)

Monday, March 21

| | | |
|---------------|--|-----------------|
| 08:15 – 08:55 | Registration / coffee | |
| 09:00 – 09:15 | M. Geoghegan-Quinn (The European Commission) | Opening address |
| 09:15 – 09:30 | A. Geim (University of Manchester) | Opening address |

SETTING THE SCENE

| | |
|---------------|--------------------------------------|
| 09:30 – 10:00 | A. Ferrari (University of Cambridge) |
| 10:00 – 10:30 | H. Kurz (AMO GmbH) |
| 10:30 – 10:45 | V. Fal'ko (University of Lancaster) |
| 10:45 – 11:00 | M. Sadowski (EC RTD) |
| 11:00 – 11:25 | Coffee break |

Chair: M. Campolargo (EC INFISO)

Overview of graphene applications
Graphene; status and prospects for 2020
Open questions in graphene physics
Graphene in joint European research initiatives

SESSION 1 RESEARCH

| | |
|---------------|-------------------------------|
| 11:25 – 11:55 | A. Fert (CNRS – Thales) |
| 11:55 – 12:25 | V. Pellegrini (CNR-NANO Pisa) |
| 12:25 – 12:55 | C. Galiotis (FORTH) |
| 12:55 – 13:15 | G. Schneider (Delft TU) |

Chair: K. von Klitzing (MPI)

Graphene spintronics
Graphene for energy applications
Mechanical properties of graphene
Graphene bionanoscience: from hydrophobicity to DNA sequencing

13:15 – 14:30 Lunch

SESSION 2 EC-FUNDED PROJECTS

| | |
|---------------|------------------------------------|
| 14:30 – 14:45 | D. Neumaier (AMO GmbH) |
| 14:45 – 15:00 | R. Yakimova (Linköping University) |
| 15:00 – 15:15 | A. Zenasni (CEA) |
| 15:15 – 15:30 | J. Kinaert (Chalmers) |
| 15:30 – 15:45 | M. Losurdo (IMIP CNR) |
| 15:45 – 16:00 | U. Kosidlo (Fraunhofer IPA) |
| 16:00 – 16:30 | Coffee break |

Chair: M. Sadowski (EC RTD)

Project "GRAND"
Project "CONCEPTGRAPHENE"
Project "GRENADA"
Project "RODIN"
Project "NIM_NIL"
Project "ELECTROGRAPH"

SESSION 3 INNOVATION

| | |
|---------------|---|
| 16:30 – 16:50 | B.H. Hong (SKKU Adv. Inst. of Nanotechnology) |
| 16:50 – 17:10 | J. Kivioja (NOKIA) |
| 17:10 – 17:30 | S. Ivanovici (BASF) |

Chair: A. Geim (Univ. Manchester)

Technology Roadmap for Graphene Industry in Korea
Graphene: Prospects for future mobile devices
Graphene meets chemistry: BASF view on graphene materials and potential applications

Tuesday, March 22

SESSION 4 RESEARCH FRAMES

| | |
|---------------|---|
| 09:30 – 09:50 | A. Loiseau (ONERA) |
| 09:50 – 10:10 | M. Garcia-Hernandez (ICMM CSIS) |
| 10:10 – 10:30 | M. Mössle (DFG) |
| 10:30 – 10:50 | S. Dudley (Air Force Office of Scientific Research) |
| 10:50 – 11:10 | J. Kinaert (Chalmers) |
| 11:10 – 11:40 | Coffee break |

Chair: A. Ferrari (Univ. Cambridge)

GNT – French graphene programme
Spanish graphene programme
German graphene programme
Graphene: a US military funding perspective
Graphene FET flagship CA

SESSION 5 SCIENCE TO PRODUCTS

| | |
|---------------|-------------------------------------|
| 11:40 – 12:00 | J. Darcy (European Investment Fund) |
| 12:00 – 12:15 | M. Rahn (MTI Partners) |
| 12:15 – 12:45 | M. Engelhard (Boehmert & Boehmert) |
| 12:45 – 13:00 | K. Coleman (Graphene Science Ltd.) |
| 13:00 – 14:30 | Lunch |

Chair: A. Fert (CNRS – Thales)

Financing knowledge transfer in Europe
Graphene science to products: proving the principles
Patents: materials and methods
A university spinout perspective

PANEL and GENERAL DISCUSSION

| | |
|---------------|--|
| 14:30 – 15:30 | Panelists: H. Kurz, J. Darcy, S. Ivanovici, K. Coleman + all participants |
| 15:30 | H. von Bose (EC RTD) |

Moderator: R. Tomellini (EC RTD)

Graphene in 2020
Closing address