



PROGRAM

Symposium and MB&MC Meeting “6th month Progress Report, WP2 results, and next planning”

17-21 July 2017, at IMech-BAS, in Sofia, Bulgaria

Venue:

Institute of Mechanics, Bulgarian Academy of Sciences (IMech-BAS)
Acad. G. Bonchev Street, Block 4, 2nd floor, Hall 200.
1113 Sofia, Bulgaria

17 July 2017 Monday

Moderators: Rumiana Kotsilkova and Clara Silvestre

13:00 – 13:45 Registration

13:45 – 14:00 Welcome addresses

14:00 – 14:30 6th month Progress Report on Management and Implementation of Graphene 3D.
Rumiana Kotsilkova (Coordinator, IMech-BAS)

14:30 – 15:00 Monitoring of secondments. *Clara Silvestre (Secondments Manager, IPCB-CNR)*

15:00 – 15:30 Coffee break

15:30 – 16:00 The WP2 progress report – *Marino Lavorgna (WP2 Leader, IPCB-CNR)*

16:00 – 17:00 Discussion on the reports. Questions and answers

18:00 Welcome Drink

18 July 2017 Tuesday

Moderators: Patrizia Lamberti and Polina Kuzhir

9:00 – 9:30 Electromagnetic properties of resistor networks. *Philippe Lambin (UNamur)*

9:30 – 10:00 Cellular structures with conductive skeleton: electromagnetic properties vs. geometry (density, cell and window size, skeleton thickness) and skeleton conductivity.
Polina Kuzhir (INP-BSU)

10:00 – 10:30 Coffee break

10:30 – 11:00 Electromagnetic properties of GNP/MWCNT/PLA composites in microwave and terahertz ranges. *Dzmitry Bychanok (INP-BSU)*

11:00 – 11:30 Numerical simulation of percolation process in CNT / polymer composites.
Artem Plyuchsh (INP-BSU)

11:30 – 12:00 Robust Design of EM systems and Graphene 3D project. *Patrizia Lamberti (UniSa)*

12:00 – 14:00 Lunch

14:00 - 16:00 Laboratory tour at OLEM



19 July 2017 Wednesday

Moderators: Marino Lavorgna and Hesheng Xia

9:00 – 9:30 Progress report from SICHUAN. *Hesheng Xia (SKLMPME)*

9:30 – 10:00 Report on PLA/GNP/MWCNT composites produced by melt extrusion and production of filament for 3D printing: *E. Ivanov (NanoTechLab)*

10:00 – 10:30 Coffee break

10:30 – 11:00 The PLA/GNP/MWCNT composites produced by solution blending. Surface mechanical characterization by nanoindentation. *Todor Batakliev (IMech-BAS)*

11:00 – 11:30 Synthesis and characterization of rGO at Narrando – *Marcello Casa (Narrando)*

11:30 – 12:00 Progress report from SIPT - *Tinatin Kuchukhidze (SIPT)*

12:00 – 14:00 Lunch

14:00 – 17:00 Visit to Boyana Church (near Sofia)

18:00 Dinner

20 July 2017 Thursday

MB & MC Meeting

Moderators: Rumiana Kotsilkova and Philippe Lambin

9:00 – 9:30 Deliverable report D2.1. Materials specifications. *Paolo Ciambelli (Narrando)*

9:30 – 10:00 Highlights on the 6th month Progress Report on Graphene 3D project.

Philippe Lambin (Research Manager, UNamur)

10:00 – 10:30 Discussion on the forthcoming deliverables and the next MB/MC meeting.

R. Kotsilkova (Coordinator, IMech-BAS)

10:30 – 11:00 Coffee break

11:00 – 11:30 Planning of secondments for the next 6 months (partners will discuss their plans).

Clara Silvestre (Secondment Manager, CNR)

11:30 – 12:00 Discussion on the dissemination activities and individual outreach plans.

What each partner team will propose? *Patrizia Lamberti (Dissemination Manager, UniSa)*

12:00 – 12:30 Decisions from the MB&MC meeting.

12:30 – 14:00 Lunch

14:00 - 17:00 Sofia city tour

18:00 Dinner

21 July 2017 Friday

Demonstration of tests at OLEM Laboratories. Work with samples from partners

9:00 – 12:00 Mechanical Tests: macro, micro and nanomechanics (nanoindentation).

9:00 – 12:00 3D printing

9:00 – 11:00 Rheology and DMTA Analysis

11:00 – 13:00 Thermal Analysis – DSC and TGA