

TENTATIVE PROGRAM (as of 20/02/2019)

K: Keynote lecture / I: Invited Lecture / O: Oral contribution



Thursday (21/02/2019)

08:00 – 09:00: *Registration*

09:00 – 09:15: *Opening Ceremony- Welcome and Introduction.*

09:15 – 09:45: **Sebastiano Bellani** (IIT-Graphene Labs / BeDimensional, Italy) K
Large scale production of 2D Materials for Energy applications

09:45 – 10:15: **Pedro Gomez Romero** (ICN2 (CSIC-BIST), Spain) K
 Graphene for Energy Storage in Supercapacitors

10:15– 11:15: *Coffee Break / Poster Session & Exhibition*

11:15 – 11:35: **Rune Wendelbo** (Abalonyx, Norway) I
 Towards standardization of graphene oxide for Industrial Applications

11:35 – 11:55: **Alessandro Kovtun** (ISOF-CNR, Italy) I
 Benchmarking of Graphene-based Materials: Real Commercial Products vs. Ideal Graphene

11:55 – 12:10: **Dexter Johnson** (The Graphene Council, United States) O
 The Future of Graphene Commercialization

12:10 – 12:30: **Fabian Calleja** (IMDEA-Nanociencia, Spain) I
 Atomic-scale functionalization of metal-supported graphene: Towards a graphene-based catalyst

12:30 – 14:30: *Cocktail Lunch / Poster Session & Exhibition*

14:30 – 14:50: **Julio Gómez** (Avanzare, Spain) I
 Multifunctional thermoplastics using Graphene materials

14:50 – 15:10: **Cesar Merino** (Grupo Antolin Ingeniería, Spain) I
 Graphene Related Materials enhancing polymer composites: An application to aerospace structures

15:10 – 15:30: **Aravind Vijayaraghavan** (The University of Manchester, UK) I
 Graphene-enhanced elastomers and their applications

15:30 – 15:45: **Siamak Eqtesadi** (Abalonyx AS, Norway) O
 Tuning properties of thermally reduced graphene oxide for CO2 capture technology

15:45 – 16:00: **José Campos-Martínez** (Instituto de Física Fundamental (IFF-CSIC), Spain) O
 A cooperative multi-proton mechanism for proton permeation in graphene

16:00 – 16:15: **Nerea Uranga Zumeta** (IK4-TEKNIKER, Spain) O
 Graphene based nanofluids as heat transfer fluids

16:15 – 16:30: **Francisco Fernández Carretero** (Tecnalia, Spain) O
 3D rGO cathodes combined with buckypaper interlayer for more efficient li-s batteries

16:30– 17:00: *Coffee Break / Poster Session & Exhibition*

17:00 – 17:20: **Klaas-Jan Tielrooij** (ICN2, Spain) I
 Graphene-enabled terahertz applications

17:20 – 17:40: **Israel Arnedo** (DAS-NANO, Spain) I
ONYX: Full-area non-destructive and non-contact equipment for the fast and accurate characterization of mobility, carrier density, and conductivity of graphene by means of terahertz technology
17:40 – 17:55: **Toyo Kazu Yamada** (Chiba University, Japan) O
STM study of single-layer graphene nanoribbons adsorbed on fcc(111) noble metals by using drop cast and vacuum spray



Friday (22/02/2019)

09:00 – 09:30: **Andres Castellanos** (ICMM-CSIC, Spain) K
Strain engineering in 2D materials: towards strain tunable optoelectronic devices
09:30 – 09:50: **Aitor Mugarza** (ICREA - ICN2, Spain) I
Nanoporous graphene for optoelectronics and molecular sensing and sieving applications
09:50 – 10:05: **Paolo Perna** (IMDEA NANOCIENCIA, Spain) O
Graphene/Cobalt interface for spin-orbitronics

10:05 – 11:00: *Coffee Break / Poster Session & Exhibition*

11:00 – 11:30: **Paolo Bondavalli** (Thales Research & Technology, France) K
Dynamic Spray-Gun Deposition Method for applications in the field of sensors, energy, information storage and EMI.
11:30 – 12:00: **Aldo Di Carlo** (University of Rome "Tor Vergata", Italy) K
Two-dimensional materials for efficient halide Perovskite solar cells
12:00 – 12:15: **Eden Mamut** (Ovidius University of Constanta / Institute for Nanotechnologies and Alternative Energy Sources, Romania) O
Graphene Structures for Applications in Fuel Cells and Supercapacitors
12:15 – 12:45: **Vladimir Falko** (University of Manchester/NGI, UK) K
2DM@NGI, from research to innovation

12:45 – 14:15. *Lunch*

14:15 – 14:35: **Mindaugas Lukosius** (Institute for High Performance Microelectronics, Germany) I
Integration of graphene into 200 mm CMOS technology
14:35 – 14:55: **Luca Ortolani** (CNR-IMM, Italy) I
Graphene Technology: synthesis, characterization and reliability-driven technological device integration
14:55 – 15:10: **Gunther Van Kerckhove** (OCSiAl Europe Sarl, Luxembourg) O
Tuball™ Single wall Carbon Nanotubes: Health, Safety & Environmental issues
15:10 – 15:25: **Inmaculada Cabrera Hinojosa** (CDTI, Spain) O
EUREKA/EUROSTARS: Funding opportunities for international joint projects in the area of advanced materials
15:25 – 15:40: **Maria Merced Perez Millan** (CDTI, Spain) O
Cooperation Opportunities with China in advanced materials
15:40 – 15:55: **Antonio Correia** (Phantoms Foundation, Spain) O
"Graphene and 2D Materials" EUREKA Cluster: Fostering European Competitiveness

15:55 – 16:25: *Coffee Break / Poster Session & Exhibition*

16:25 – 16:45: **Emre Ozan Polat** (ICFO, Spain) I
Broadband Graphene Photodetectors for Monitoring Personal Wellbeing

16:45 – 17:00: **Chun-Da Liao** (International Iberian Nanotechnology Laboratory, Portugal) O
Toward Controllable Growth of Millimeter-Size CVD Graphene Single Crystals and Its Application in 2D van der Waals Heterostructure Based Photodetector
17:00 – 17:15: **Massimiliano Bartolomei** (Instituto de Física Fundamental (IFF-CSIC), Spain) O
Interaction and reactivity of cisplatin physisorbed on graphene oxide prototypes

- 17:15 – 17:30: **Roberto Muñoz** (Instituto de Ciencia de Materiales de Madrid (ICMM), Spain) O
Direct growth of graphene on insulators and semiconductors by plasma assisted chemical vapor deposition: a route towards industrial applications
- 17:30 – 17:45: **Rocío Rincón** (Universidad de Córdoba, Spain) O
Synthesis of pure graphene and graphene/carbon nanotubes hybrid by atmospheric pressure plasma
- 17:45 – 18:00: **Salim Al-Kamiyani** (Sultan Qaboos University, Oman) O
Improved control in elimination of white impurities on graphene by chemical vapor deposition(CVD)
- 18:00: Closing and GraphIn2020 announcement