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) 
Large scale production of 2D Materials for Energy applications
09:45 – 10:15: Pedro Gomez Romero (ICN2 (CSIC-BIST), Spain) 
Graphene for Energy Storage in Supercapacitors

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

11:15 – 11:35: Rune Wendelbo (Abalonyx, Norway) 
Towards standardization of graphene oxide for Industrial Applications
11:35 – 11:55: Alessandro Kovtun (ISOF-CNR, Italy) 
Benchmarking of Graphene-based Materials: Real Commercial Products vs. Ideal Graphene
11:55 – 12:10: Dexter Johnson (The Graphene Council, United States) 
The Future of Graphene Commercialization
12:10 – 12:30: Fabian Calleja (IMDEA-Nanociencia, Spain) 
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) 
Multifunctional thermoplastics using Graphene materials
14:50 – 15:10: Cesar Merino (Grupo Antolín Ingeniería, Spain) 
Graphene Related Materials enhancing polymer composites: An application to aerospace structures
15:10 – 15:30: Aravind Vijayaraghavan (The University of Manchester, UK) 
Graphene-enhanced elastomers and their applications
15:30 – 15:45: Siamak Eqtesadi (Abalonyx AS, Norway) 
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) 
A cooperative multi-proton mechanism for proton permeation in graphene
16:00 – 16:15: Nerea Uranga Zumeta (IK4-TEKNIKER, Spain) 
Graphene based nanofluids as heat transfer fluids
16:15 – 16:30: Francisco Fernández Carretero (Tecnalia, Spain) 
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) 
Graphene-enabled terahertz applications
17:20 – 17:40: **Israel Arnedo** (DAS-NANO, Spain)  
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)  
STM study of single-layer graphene nanoribbons adsorbed on fcc(111) noble metals by using drop cast and vacuum spray

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**Friday (22/02/2019)**

09:00 – 09:30: **Andres Castellanos** (ICMM-CSIC, Spain)  
Strain engineering in 2D materials: towards strain tunable optoelectronic devices

09:30 – 09:50: **Aitor Mugarza** (ICREA - ICN2, Spain)  
Nanoporous graphene for optoelectronics and molecular sensing and sieving applications

09:50 – 10:05: **Paolo Perna** (IMDEA NANOCIENCIA, Spain)  
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)  
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)  
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)  
Graphene Structures for Applications in Fuel Cells and Supercapacitors

12:15 – 12:45: **Vladimir Falko** (University of Manchester/NGI, UK)  
2DM@NGI, from research to innovation

12:45 – 14:15. **Lunch**

14:15 – 14:35: **Mindaugas Lukosius** (Institute for High Performance Microelectronics, Germany)  
Integration of graphene into 200 mm CMOS technology

14:35 – 14:55: **Luca Ortolani** (CNR-IMM, Italy)  
Graphene Technology: synthesis, characterization and reliability-driven technological device integration

14:55 – 15:10: **Gunther Van Kerckhove** (OCSIAl Europe Sarl, Luxembourg)  
Tuball™ Single wall Carbon Nanotubes: Health, Safety & Environmental issues

15:10 – 15:25: **Inmaculada Cabrera Hinojosa** (CDTI, Spain)  
EUREKA/EUROSTARS: Funding opportunities for international joint projects in the area of advanced materials

15:25 – 15:40: **Maria Merced Perez Millan** (CDTI, Spain)  
Cooperation Opportunities with China in advanced materials

15:40 – 15:55: **Antonio Correia** (Phantoms Foundation, Spain)  
"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)  
Broadband Graphene Photodetectors for Monitoring Personal Wellbeing

16:45 – 17:00: **Chun-Da Liao** (International Iberian Nanotechnology Laboratory, Portugal)  
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)  
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)  
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)  
Synthesis of pure graphene and graphene/carbon nanotubes hybrid by atmospheric pressure plasma

17:45 – 18:00: **Salim Al-Kamiyani** (Sultan Qaboos University, Oman)  
Improved control in elimination of white impurities on graphene by chemical vapor deposition (CVD)

18:00: Closing and GraphIn2020 announcement