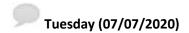


## TENTATIVE PROGRAM (as of 06/07/2020)

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



ZOOM Covideo Conferencing

08:50 – 09:00: Opening - Welcome and Introduction **Antonio Correia** (Phantoms foundation, Spain) **Jean-Christophe Charlier** (UCLouvain, Belgium)

09:00 – 09:30: <b>Zhongfan Liu</b> (Peking University, China) Targeting the Mass Production of CVD Graphene	K	
09:30 – 10:00: <b>Dmitri Efetov</b> (ICFO, Spain)	K	
Magic Angle Bilayer Graphene - Superconductors, Orbital Magnets, Correlated States and beyond 10:00 – 10:30: <b>Hui-Ming Cheng</b> (Chinese Academy of Sciences, China)	K	
Mass Production of 2D Materials by Exfoliation and Their Applications		
10:30— 10:45: Break		
10:45 – 11:15: FlashPoster Session		
11:15 – 11:45: Andrea Ferrari (University of Cambridge/CGC, UK)	K	
Layered Materials Optoelectronics	1/	
11:45 – 12:15: <b>Max Lemme</b> (AMO GmbH, Germany) Electronic Devices based on 2D Materials – Opportunities and Open Challenges	K	
12:15 – 12:45: <b>Cinzia Casiraghi</b> (University of Manchester, UK)	K	
Biocompatible 2D Material-based Inks: from Printed Electronics to Biomedical Applications	IX.	
12:45 – 13:30: ePosters session		
13:30 – 14:15: Lunch Break		
14:15 – 14:45: Stephan Roche (ICREA/ICN2, Spain)	K	
Emerging Properties in Two-dimensional. Strongly Disordered & Amorphous Membranes		
14:45 – 15:15: Mauricio Terrones (The Pennsylvania State University, USA)	K	
Defects in 2D Metal Dichalcogenides: Doping, Alloys, Vacancies and Their Effects in Magnetism, Electronics, Catalysis, Optical Emission and Bio-Applications		
15:15 – 15:35: <b>Yuan Ping</b> (UC Santa Cruz, USA)	1	
Spin-phonon relaxation from a universal ab initio density-matrix approach		

15:35 - 15:50: *Break* 

15:50 - 17:10: Oral Parallel sessions

## ROOM 1

NOOM 1	
15:50 – 16:00: <b>Khaled Parvez</b> (University of Manchester, UK)	0
Inkjet printable water-based inks made by electrochemically exfoliated Graphene	
16:00 – 16: 10: María Tenorio (Catalan Institute of Nanoscience and Nanotechnology, Spain)	0
Imprinting chirality and doping in graphene nanopores	
16:10 – 16: 20: <b>Xubin Lu</b> (Martin-Luther University Halle-Wittenberg, Germany)	0
Plasma-etched functionalized graphene as a metal-free electrode catalyst in solid acid fuel cells	
16:20 – 16: 30: <b>Smita Talande</b> (RCPTM, Czech Republic)	0
FeOOH/Cyanographene hybrid material for efficient operation in organic electrolytes as supercapacitor	r electrode

16:30 – 16: 40: <b>Jean-Christophe Blancon</b> (Rice University, USA) Understanding the excitonic physics of organic-inorganic 2D perovskites for efficient and low-cost phot 16:40 – 16: 50: <b>Jaime Sanchez</b> (Chalmers University of Technology, Sweden) Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating of LiFePO4/Graphene oxide on Carbon Fibers as High-Performance Cathode Electrophoretic coating coat	0	
for Structural Batteries in Aeronautics 16:50 – 17:00: <b>Vladimir Pimonov</b> (L2C university of Montpellier, France) Optical studies of the growth kinetics of individual carbon nanotubes	0	
17:00 – 17:10: <b>Elena Bruno</b> (University of Catania, Italy) N-doping in 3D graphene foams by chemical vapour deposition	0	
ROOM 2  15:50 – 16:00: Haixin Qiu (University of Strasbourg, CNRS, ISIS UMR 7006, France)  Optical Tuning of Hole and Electron Transport in Ambipolar WSe2 Interfaced with a Bicomponent Phot Layer: From High-Mobility Transistors to Flexible Multilevel Memories		
16:00 – 16: 10: <b>Maria Ramos</b> (Universidad de Alicante, Spain) Ultra-broad spectral photoresponse in FePS3 air-stable devices	0	
16:10 – 16: 20: <b>Laura Serkovic-Loli</b> (Centro Atómico Bariloche, Argentina) Graphene field effect transistors using TiO2 as the dielectric layer	0	
16:20 – 16: 30: <b>Elena del Corro</b> (Instituto Catalán de Nanociencia y Nanotecnología, Spain) Electronic interactions at the graphene interface: the effect of substrate and the media	0	
16:30 – 16: 40: <b>Mattia Scagliotti</b> (University of Rome "Tor Vergata", Italy)  Fast response, high responsivity and broadband Graphene/n-Si photodetector	0	
16:40 – 16: 50: <b>Filipa Silva</b> (INEB - Inst. Nac. Engenharia Biomédica, Portugal)	0	
Nanographene oxide and PEGylated reduced nanographene oxide as platforms for anti-cancer drug de	livery	
16:50 – 17:00: <b>Isaac Alcon</b> (Freie Universität Berlin, Germany) Quantum Interference Engineering of Nanoporous Graphene for Carbon Nanocircuitry	0	
<b>ROOM 3</b> 15:50 – 16:00: <b>Igor Lukačević</b> (Josip Juraj Strossmayer University of Osijek, Croatia (Hrvatska)) Suitable substrates for the synthesis of stable aluminene allotropes	0	
16:00 – 16: 10: <b>Anthony Impellizzeri</b> (Institut des Matériaux Jean Rouxel, France)	0	
Development of ab-initio method to multiwave-length dependent Raman spectroscopy of 2D-nanomat	erials	
16:10 – 16: 20: <b>Aurélie Champagne</b> (Université Catholique de Louvain (UCLouvain), Belgium) MXenes: the largest family of 2D materials	0	
16:20 – 16: 30: <b>Sarah Pinon</b> (Institut de Physique Théorique, France)	0	
Boundary modes using impurities: graphene and the Kane-Mele topological insulator	0	
16:30 – 16: 40: <b>Antonio Gallerati</b> (Politecnico di Torino, Italy) Dirac fields in curved graphene	0	
16:40 – 16: 50: <b>Urvesh Patil</b> (Trinity College Dublin, Ireland)	0	
Solvent interactions with two-dimensional materials: A computational investigation of the dispersion of graphene monolayers in commonly used solvents		
16:50 – 17:00: <b>Jose Hugo Garcia Aguilar</b> (Catalan Institute of Nanoscience and Nanotechnology, Spain Charge-to-Spin Conversion in Low-Symmetry Topological Materials	)0	
17:00 – 17:10: <b>Thomas Stegmann</b> (Universidad Nacional Autónoma de México, Mexico) Electron Optics in Phosphorene pn Junctions: Negative Reflection & Anti-Super-Klein Tunneling	0	
17:10 – 17:25: <i>Break</i>		
17:25 – 17:45: <b>Marcelo Lozada-Hidalgo</b> (University of Manchester, UK) Ion permeation through atomically thin crystals	1	
17:45 – 18:15: <b>Cristiane Morais Smith</b> (Utrecht University, The Netherlands) Atom-to-atom designed graphene-like structures 18:15 Closing	К	