

Scientific Programme – CA15107 Fall Meeting

Bucharest, September 6th-7th 2018

Thursday, September 6th	
09h-	Registration
09h30- 09h45	Welcome
09h45- 11h	<p>1st FLASH Presentations Session (10 x 6 min talks) – Session Chair Naum Naveh</p> <p>S1.1. A.Sezai SARAC <i>Carbon Nanofibers for Electrochemical Capacitors</i></p> <p>S1.2. Paula Ferreira <i>Carbonized biomass-based materials for CO₂ adsorption and separation from CH₄</i></p> <p>S1.3. Hynek Biederman <i>Nanostructured carbon surfaces prepared by means of C:H nanoparticles combined with PECVD</i></p> <p>S1.4. Michele Melchionna <i>Reversible CO₂ reduction to formate by carbon nanohorns/Pd@TiO₂ nanohybrids</i></p> <p>S1.5. Gökçen Akgül <i>Volarization of Industrial Tea Waste Biochar in Energy Storage as Graphitic Carbon Material</i></p> <p>S1.6. Ana Teresa Brandão <i>Electrodeposition of Sn and Sn/carbon nanotubes composites using choline chloride-based solvent (ethaline) as electrode materials for Li ion batteries</i></p> <p>S1.7. Maria K. Rybarczyk <i>Nitrogen-Doped Carbon from Renewable Resources</i></p> <p>S1.8. Mariana Silva <i>Titanium oxide meso-porous materials modified with carbon for photo-catalytic degradation of organic dyes</i></p> <p>S1.9. Silvia Giordani <i>Carbon Nano-Onions interfacing with neurons</i></p> <p>S1.10. Marta d'Amora <i>Assessment of the toxic potential of carbon nanomaterials</i></p>
11h- 11h30	<p>Coffee Break</p> <p>Opportunity to Network and start Discussions at the Posters</p>
11h30- 12h30	<p>2nd FLASH Presentations Session (9 x 6 min talks) – Session Chair Paula Ferreira</p> <p>S2.1. Naum Naveh <i>Compatibilization of thermoplastic alloys with modified GO</i></p> <p>S2.2. Naoufal Bahlawane <i>Deposition of CNT-based composite coatings from the gas phase and their implementation for optics and energy storage</i></p> <p>S2.3. Miroslav Huskić</p>

	<i>The comparison of SWCNT/polyethylene nanocomposites prepared in micro- and laboratory extruder</i>
	S2.4. Mircea Bercu <i>ELECTRONIC PROPERTIES OF SWCNTs ON DETECTING NO₂ and H₂ MOLECULES</i>
	S2.5. Claudia Berkmann <i>Terrylene filled Single Walled Carbon Nanotubes as precursor to n=5 Nanoribbons</i>
	S2.6. Aleksandra Ivanoska-Dacikj <i>ESR SPECTROSCOPY AS A NEW METHOD TO ANALYZE THE SYNERGY BETWEEN TWO DIFFERENT NANOFILLERS DISPERSED IN AN ELASTOMER MATRIX</i>
	S2.7. Helena Oliveira <i>Cytotoxicity evaluation of graphene nanomaterials</i>
	S2.8. Poulin Philippe <i>Graphene oxide polymer composite fibers as torsional shape memory actuators</i>
	S2.9. Hatem AKBULUT <i>MnO₂ polymorphs/rGO Nanocomposites: Positive Electrode Performance in the Li-ion Batteries</i>
12h30-13h45	Lunch Break Opportunity for Networking and Discussions at the Posters
13h45-15h	3rd FLASH Presentations Session (10 x 6 min talks) – Session Chair Silvia Marchesan
	S3.1. Professor Oren Regev <i>Graphite-to-Graphene: Total Conversion</i>
	S3.2. Cláudia Nunes <i>Eco-friendly methodology to produce reduced graphene oxide sheets</i>
	S3.3. Jacek Wychowaniec <i>Designing peptide / graphene derivatives hybrid hydrogels through fine tuning of molecular interactions</i>
	S3.4. Michal Bodik <i>Localization of the graphene oxide in living cells using confocal Raman microscopy</i>
	S3.5. Grace Morgan <i>Engineering Spin Switchable Molecules by Assembly on Few Layer Graphene</i>
	S3.6. Ana Barra <i>Electrical conductive chitosan - reduced graphene oxide flexible bionanocomposites</i>
	S3.7. Valentina Gargiulo <i>Graphene-like layers based inkjet printed chemiresistors</i>
	S3.8. Michela Alfe' <i>Embedding graphene-like layers in metal organic frameworks: the effect on gas sorption at high pressure</i>
	S3.9. Roberto Di Capua <i>Electrical dc characterizations and impedance spectroscopy on eumelanin and graphene-like/eumelanin hybrids</i>
	S3.10. Uwe Popp <i>Graphene in sintered 3D Printed polymer-metal composites?</i>

15h-15h15	Breathing break Opportunity for Networking and Discussions at the Posters
15h15-16h30	<p>4th FLASH Presentations Session (10 x 6 min talks) – Session Chair Jacek Wychowaniec</p> <p>S4.1. Jadranka B Gilev <i>PRODUCTION OF CONDUCTIVE POLYMER BASED COMPOSITE FILMS WITH IR CO2 LASER</i></p> <p>S4.2. Silvia Marchesan <i>Nano-catalysts based on N-doped carbon nanomaterials</i></p> <p>S4.3. Ivan Ristić <i>Characterization of Reinforced Poly(lactide) Composite Nanofibers</i></p> <p>S4.4. Frantisek Fendrych <i>Microwave Plasma CVD Deposited Nanocrystalline Diamond Films for Protection of Zirconium Nuclear Fuel Rod Cladding</i></p> <p>S4.5. Malamatenia Koklioti <i>Nitrogen-doped transition metal dichalcogenides decorated with silver nanoparticles for surface-enhanced Raman scattering</i></p> <p>S4.6. Tőkési Károly <i>Optical constants obtained from reflection electron energy-loss spectroscopy spectra</i></p> <p>S4.7. Jan Macutkevic <i>Synergy effects of triglycine sulphate and graphite nanoplatelets in properties of epoxy resin composites</i></p> <p>S4.8. Liutauras Marcinauskas <i>Effect of additive powders on the tribological properties of alumina coatings</i></p> <p>S4.9. Polina Kuzhir <i>Additive manufacture for microwave and THz components realization</i></p> <p>S4.10. Gagik Shmavonyan <i>RUBBING AS A POWERFUL TOOL FOR MASS PRODUCTION OF TWO-DIMENSIONAL ATOMIC MATERIALS</i></p>
16h30-17h	Coffee break Opportunity for Networking and Discussions at the Posters
17h-17h30	<p>FLASH Presentation and Short talk – Session Chair Sharali Malik</p> <p>Calin Constantin Moise <i>Planar perovskite solar cells using coordination fullerene polymers as acceptor layer</i></p> <p>Edward Goldwyn <i>Potential use of Video for MultiComp</i></p>
17h30-18h30	<p>Poster session</p> <p>Posters:</p> <ol style="list-style-type: none"> Sergejs Gaidukovs, Casted Bio-based Polyurethanes Nanocomposites Processed by Ultrasonic Dispersion of Ultra-Small Content of Multiwall Carbon Nanotubes Stabilized by Metallic Oxide Nanoparticles Aleksandras Iljinas, Deposition of amorphous carbon films and

	<p>nanostructures at atmospheric pressure</p> <ol style="list-style-type: none"> 3. Polona Umek, Carbon/Molybdenum Carbide Based New Hybrid Inorganic Nanomaterials 4. Jelena Tanasić, The influence of multi-walled carbon nanotubes on crystallization behavior of poly(lactide) 5. Amra Bratovic, associate professor, Synthesis of titanium dioxide – carbon xerogel composites 6. Martin Vrňata, Polymerized Ionic Liquids as Sensitive Layers of Chemiresistors 7. Oskars Platnieks, Preparation and characterization of bio-based polybutylene succinate / graphene biodegradable composites 8. Jan Vlcek, Poly-Ionic Liquids With Fullerenes Nanocomposite Materials for Gas Chemiresistors: Synthesis and Characterization 9. Premysl Fítl, Laser Patterning of Fullerene Thin Films 10. Ivan Radovic, Research Professor, Wake effect in the interaction of an external charged particle with a graphene-sapphire-graphene structure due to excitation of plasmon-phonon hybrid modes 11. Valentina Veselinović, Evaluation of the Optical Properties of Acrylic Resin Denture Base Material (PMMA) Modified with Gold Nanoparticles 12. Matti Knaapila, Crystal growth of conjugated oligomers on graphene 13. Konstantinos S. Triantafyllidis, Reinforcement of Glassy and Rubbery Epoxy Polymers with 1-D, 2-D and 3-D Carbon Nanostructures 14. Carla Bittencourt, Low-Kinetic Energy Nitrogen Ion Irradiation of Vertically-aligned Carbon Nanotubes 15. Carla Bittencourt, Gas Sensing Properties of Fluorinated Carbon Nanotubes 16. Tutu Sebastian, Novel approach to increase the electrical conductivity of polymer composite fibers 17. Cristina Ciobota, Functionalization of carbon based materials for applications in filtering membranes 18. Nelly Maria Rosas Laverde, Graphene oxide-modified electrodeposited ZnO / Cu₂O heterojunction solar cells 19. Sabrina Rosoiu, Morphological and structural investigations of electrodeposited Ni-Sn alloy/reduced graphene oxide composites from deep eutectic solvents 20. Aida Pantazi, Multiwalled carbon nanotubes-silver nanocomposite coatings from ionic liquids analogues – morphological and structural analysis 21. Geanina Mihai, Manufacturing and dispersion of SWCNTs as a prerequisite for nanodevice building using Electron Beam Lithography 22. Stefania Marin, Antimicrobial activity of collagen matrices loaded with SWCNTs and essential oil 23. Oana Lazar, Platinum decorated reduced graphene oxide for PEM fuel cells applications 	
19h30-	Conference Dinner	
Friday, September 7th		
09h30-10h45	MC Meeting	Parallel session:- Other meeting Participants with Mr. Edward Goldwyn.
10h45-11h15	Coffee Break	

11h15-12h30	MC Meeting concluded	Opportunity for Networking and Discussions at the Posters.
12h30-14h	Lunch Break	
14h-15h15	WGs Meetings	
15h15-15h30	Breathing Break	
15h30-16h30	WGs Meetings	
16h30-17h	Coffee Break	
17h-18h30	WGs Leaders/Representatives Reporting	