

Scientific Programme – CA15107 Fall Meeting

Bucharest, September 6th-7th 2018

Thursday, September 6 th	
09h-	Registration
09h30-09h45	Welcome
09h45-11h	FLASH Presentations (10 x 6 min talks) – Session Chair Naum Naveh
	A.Sezai SARAC <i>Carbon Nanofibers for Electrochemical Capacitors</i>
	Paula Ferreira <i>Carbonized biomass-based materials for CO₂ adsorption and separation from CH₄</i>
	Hynek Biederman <i>Nanostructured carbon surfaces prepared by means of C:H nanoparticles combined with PECVD</i>
	Michele Melchionna <i>Reversible CO₂ reduction to formate by carbon nanohorns/Pd@TiO₂ nanohybrids</i>
	Gökçen Akgül <i>Volarization of Industrial Tea Waste Biochar in Energy Storage as Graphitic Carbon Material</i>
	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>
	Maria K. Rybarczyk <i>Nitrogen-Doped Carbon from Renewable Resources</i>
	Mariana Silva <i>Titanium oxide meso-porous materials modified with carbon for photo-catalytic degradation of organic dyes</i>
	Silvia Giordani <i>Carbon Nano-Onions interfacing with neurons</i>
Marta d'Amora <i>Assessment of the toxic potential of carbon nanomaterials</i>	
11h-11h30	Coffee Break
11h30-12h45	FLASH Presentations (9 x 6 min talks) – Session Chair Paula Ferreira
	Naum Naveh <i>Compatibilization of thermoplastic alloys with modified GO</i>
	Naoufal Bahlawane <i>Deposition of CNT-based composite coatings from the gas phase and their implementation for optics and energy storage</i>
	Miroslav Huskić <i>The comparison of SWCNT/polyethylene nanocomposites prepared in micro- and laboratory extruder</i>

	<p>Mircea Bercu <i>ELECTRONIC PROPERTIES OF SWCNTs ON DETECTING NO₂ and H₂ MOLECULES</i></p> <p>Claudia Berkmann <i>Terrylene filled Single Walled Carbon Nanotubes as precursor to n=5 Nanoribbons</i></p> <p>Aleksandra Ivanoska-Dacikj <i>ESR SPECTROSCOPY AS A NEW METHOD TO ANALYZE THE SYNERGY BETWEEN TWO DIFFERENT NANOFILLERS DISPERSED IN AN ELASTOMER MATRIX</i></p> <p>Helena Oliveira <i>Cytotoxicity evaluation of graphene nanomaterials</i></p> <p>Poulin Philippe <i>Graphene oxide polymer composite fibers as torsional shape memory actuators</i></p> <p>Hatem AKBULUT <i>MnO₂ polymorphs/rGO Nanocomposites: Positive Electrode Performance in the Li-ion Batteries</i></p>
12h45-14h	<p>Lunch Break Opportunity to Network and start Discussions at the Posters</p>
14h-15h15	<p>FLASH Presentations (10 x 6 min talks) – Session Chair Silvia Marchesan</p> <p>Professor Oren Regev <i>Graphite-to-Graphene: Total Conversion</i></p> <p>Cláudia Nunes <i>Eco-friendly methodology to produce reduced graphene oxide sheets</i></p> <p>Jacek Wychowaniec <i>Designing peptide / graphene derivatives hybrid hydrogels through fine tuning of molecular interactions</i></p> <p>Michal Bodik <i>Localization of the graphene oxide in living cells using confocal Raman microscopy</i></p> <p>Grace Morgan <i>Engineering Spin Switchable Molecules by Assembly on Few Layer Graphene</i></p> <p>Ana Barra <i>Electrical conductive chitosan - reduced graphene oxide flexible bionanocomposites</i></p> <p>Valentina Gargiulo <i>Graphene-like layers based inkjet printed chemiresistors</i></p> <p>Michela Alfe' <i>Embedding graphene-like layers in metal organic frameworks: the effect on gas sorption at high pressure</i></p> <p>Roberto Di Capua <i>Electrical dc characterizations and impedance spectroscopy on eumelanin and graphene-like/eumelanin hybrids</i></p> <p>Uwe Popp <i>Graphene in sintered 3D Printed polymer-metal composites?</i></p>
15h15-15h30	<p>Breathing break</p>
15h30-	<p>FLASH Presentations (10 x 6 min talks) – Session Chair Jacek Wychowaniec</p>

16h30	Jadranka B Gilev <i>PRODUCTION OF CONDUCTIVE POLYMER BASED COMPOSITE FILMS WITH IR CO2 LASER</i>
	Silvia Marchesan <i>Nano-catalysts based on N-doped carbon nanomaterials</i>
	Ivan Ristić <i>Characterization of Reinforced Poly(lactide) Composite Nanofibers</i>
	Frantisek Fendrych <i>Microwave Plasma CVD Deposited Nanocrystalline Diamond Films for Protection of Zirconium Nuclear Fuel Rod Cladding</i>
	Malamatenia Koklioti <i>Nitrogen-doped transition metal dichalcogenides decorated with silver nanoparticles for surface-enhanced Raman scattering</i>
	Tókési Károly <i>Optical constants obtained from reflection electron energy-loss spectroscopy spectra</i>
	Jan Macutkevic <i>Synergy effects of triglycine sulphate and graphite nanoplatelets in properties of epoxy resin composites</i>
	Liutauras Marcinauskas <i>Effect of additive powders on the tribological properties of alumina coatings</i>
	Polina Kuzhir <i>Additive manufacture for microwave and THz components realization</i>
	Gagik Shmavonyan <i>RUBBING AS A POWERFUL TOOL FOR MASS PRODUCTION OF TWO-DIMENSIONAL ATOMIC MATERIALS</i>
16h30-17h	Coffee break
17h-17h30	FLASH Presentation and Short talk – Session Chair Sharali Malik
	Calin Constantin Moise <i>Planar perovskite solar cells using coordination fullerene polymers as acceptor layer</i>
	Edward Goldwyn <i>Potential use of Video for MultiComp</i>
17h30-19h30	<p>Poster session with refreshments</p> <p>Posters:</p> <ol style="list-style-type: none"> 1. Sergejs Gaidukovs, Casted Bio-based Polyurethanes Nanocomposites Processed by Ultrasonic Dispersion of Ultra-Small Content of Multiwall Carbon Nanotubes Stabilized by Metallic Oxide Nanoparticles 2. Aleksandras Iljinas, Deposition of amorphous carbon films and nanostructures at atmospheric pressure 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 –

	<p>carbon xerogel composites</p> <p>6. Martin Vrňata, Polymerized Ionic Liquids as Sensitive Layers of Chemiresistors</p> <p>7. Oskars Platnieks, Preparation and characterization of bio-based polybutylene succinate / graphene biodegradable composites</p> <p>8. Jan Vlcek, Poly-Ionic Liquids With Fullerenes Nanocomposite Materials for Gas Chemiresistors: Synthesis and Characterization</p> <p>9. Premysl Fitl, Laser Patterning of Fullerene Thin Films</p> <p>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</p> <p>11. Valentina Veselinović, Evaluation of the Optical Properties of Acrylic Resin Denture Base Material (PMMA) Modified with Gold Nanoparticles</p> <p>12. Matti Knaapila, Crystal growth of conjugated oligomers on graphene</p> <p>13. Konstantinos S. Triantafyllidis, Reinforcement of Glassy and Rubbery Epoxy Polymers with 1-D, 2-D and 3-D Carbon Nanostructures</p> <p>14. Carla Bittencourt, Low-Kinetic Energy Nitrogen Ion Irradiation of Vertically-aligned Carbon Nanotubes</p> <p>15. Carla Bittencourt, Gas Sensing Properties of Fluorinated Carbon Nanotubes</p> <p>16. Tutu Sebastian, Novel approach to increase the electrical conductivity of polymer composite fibers</p> <p>17. Sabrina Rosiu, Morphological and structural investigations of electrodeposited Ni-Sn alloy/reduced graphene oxide composites from deep eutectic solvents</p> <p>18. Aida Pantazi, Multiwalled carbon nanotubes-silver nanocomposite coatings from ionic liquids analogues – morphological and structural analysis</p> <p>19. Geanina Mihai, Manufacturing and dispersion of SWCNTs as a prerequisite for nanodevice building using Electron Beam Lithography</p> <p>20. Stefania Marin, Antimicrobial activity of collagen matrices loaded with SWCNTs and essential oil</p> <p>21. Oana Lazar, Platinum decorated reduced graphene oxide for PEM fuel cells applications</p>	
20h00-	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	
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	