



Global Conference on Carbon Nanotubes and Graphene Technologies

March 28–29, 2019 Milan, Italy

Day 1 Mar 28, 2019	
08:30-09:30	Registrations
09:30-10:00	Introduction & Opening Ceremony
	Plenary Session
10:00-10:40	Title: Graphene-based nanocomposites with polymer ferroelectrics: modeling and computational studies Vladimir S. Bystrov , Keldysh Institute of Applied Mathematics, Russia
10:40-11:20	Title: Catalytic and photocatalytic applications of Graphene Oxide-GO and Carbon Nano Tubes-CNT in Carbon Recycling Michele Aresta , IC2R and CIRCC, Italy
11:20-11:35	Coffee Break
11:35-12:15	Title: Recent results of supercapacitor for the next generation based on RGO and CNT Hee-Je Kim , Pusan National University, South Korea
12:15-12:55	Title: Single-walled carbon nanotubes: from synthesis to applications Albert G. Nasibulin , Skolkovo Institute of Science and Technology, Russia
12:55-13:00	Group Photo
13:00-14:00	Lunch Break
14:00-14:40	Title: Covalently functionalized graphene for advanced magnetic, sensing and environmental applications Radek Zbořil , Regional Center for Advanced Technologies and Materials, Czech Republic
Session Chair	Vladimir S. Bystrov , Keldysh Institute of Applied Mathematics, Russia
Co-Chair	Michele Aresta , IC2R and CIRCC, Italy
Session 1	Keynote Session
14:40-15:10	Title: Exploring Graphene Growth from Soybean Oil and its Application in Fiber Optic Corrosion Sensors Genda Chen , Missouri University of Science and Technology, United States
15:10-15:40	Title: Graphene / fluorinated graphene heterostructures for a wide spectrum of applications Irina V. Antonova , Federal State Budgetary Institution of Science, Russia
15:40-16:10	Title: Nanoengineering of carbon nanotubes and 2D materials: from biomedical applications to cylindrical van der Waals heterostructures Gerard Tobias , Materials Science Institute of Barcelona, Spain

16:10-16:25	Coffee Break
16:25-16:55	Title: Design and Nanomanufacturing of SWNT Architectures for Various Sensor Applications Yung Joon Jung , Northeastern University, USA
16:55-17:25	Title: Transfer-Free Large-Scale High-Quality Monolayer Graphene Synthesized at Lower Temperatures than Boiling Point of Water Soon-Gil Yoon , Chungnam National University, Republic of Korea
17:25-17:55	Title: Modeling light propagation based on Feynman- Kac formula in path integral, Monte Carlo & numerical estimates ADEWOLE O Mayowa , Atlantic International University, USA
17:55-18:25	Title: TBC Giampaolo Crepaldi , University of Torino, Italy

Day 2 Mar 29, 2019	
Session 1	Carbon Nanotubes and Graphene
10:00-10:20	Title: Magnetization of Carbon Nanomaterials by Selective Surface Modifications Rina Tannenbaum , Stony Brook University, USA
10:20-10:40	Title: Carbon Nanotube Cotton: Continuous Growth and Pulling into Big Spools Vladimir Mordkovich , Technological Institute for Superhard and Novel Carbon Materials, Russia
10:40-11:00	Title: Straight carbon nanotubes with brobdingnag monocrystal nickel kernel Sergey A.Urvanov , Technological Institute for Superhard and Novel Carbon Materials, Russia
11:00-11:15	Coffee Break
11:15-11:35	Title: Synthesis mechanism and electrochemical properties of nanographene materials obtained by in-liquid plasma method Hiroki Kondo , Nagoya University, Japan
11:35-11:55	Title: Pt lean and fee CNT electrocaltayst for hydrogen evolution Tanja Kallio , Aalto University, Finland
11:55-12:15	Title: Voltage-switchable photocurrents based on single-walled carbon nanotube-silicon junctions for optoelectronics Young Lae Kim , Gangneung-Wonju National University, South Korea
Session 2	Graphene-based nanocomposites: recent scientific studies and applications, Growth, synthesis techniques and integration methods
12:15-12:35	Title: Application in Fingerprint Analysis Using GO-Enhanced TOF-SIMS Zhanping Li , Analysis Center Tsinghua University, China
12:35-12:55	Title: Improvement of dispersion by sonication of Graphene-compounds in the melt spinning process Merle Orth , RWTH Aachen University, Germany

12:55-14:00	Lunch Break
14:00-14:20	Title: Composite of fluorinated graphene with nanoparticles V2O5 as material for flexible and printed memristors Artem I. Ivanov , Rzhanov Institute of Semiconductor Physics, Russia
14:20-14:40	Title: Synthesis of Carbon-Based Nanomaterials using Plasma-Enhanced Chemical Vapor Deposition Mineo Hiramatsu , Meijo University, Japan
14:40-15:00	Title: Spectroscopic investigation of Ar/H ₂ /CH ₄ and Ar/H ₂ /C ₂ H ₂ induction plasma for understanding chemical kinetics of CH ₄ and C ₂ H ₂ dissociation during graphenenano-flakes production Antaryami Mohanta , EMPA–Swiss Federal Laboratories for Materials Science and Technology
Session 3	Applications of graphene and related 2D materials; Semiconductor Materials and Nanostructures; Graphene nano In Energy and Storage, Graphene-related health and environment research, Fundamental Science of Graphene and 2D Materials Beyond Graphene.
15:00-15:20	Title: Ultralight 3-D graphene aerogel and its energy storage devices Hyunyoung Jung , Gyeongnam National University of Science and Technology, South Korea
15:20-15:40	Title: The different faces of graphene related materials: a safety perspective Peter Wick , EMPA–Swiss Federal Laboratories for Materials Science and Technology Switzerland
15:40-16:00	Title: From Flake search to Full-Wafer Characterization - Imaging Ellipsometry in the field of 2D-Materials Sebastian Funke , Accurion GmbH, Germany
16:00-16:15	Coffee Break
16:15-16:35	Title: Linear magnetoresistance in disordered graphene systems Chiashain Chuang , Chung Yuan Christian University, Taiwan
16:35-16:55	Title: MOF derived porous carbon for high-performance symmetrical supercapacitor Xuecheng Chen , West Pomeranian University of Technology, Poland
16:55-17:15	Title: Humidity sensors based on graphene or composite graphene - PEDOT: PSS Svetlana. A. Smagulova , North-Eastern Federal University, Russia
17:15-17:35	Title: Wearable super-high specific performance supercapacitors using a honeycomb with folded silk-like composite by NiCo ₂ O ₄ nanoplates decorated with NiMoO ₄ honeycombs on nickel foam Yedluri Anil Kumar , Pusan National University, Korea
17:35-17:55	Title: Fe ₂ O ₃ @LiCoO ₂ Composite as Excellent Electrode Material for Supercapacitor Applications

	Chandu V V Muralee Gopi , Pusan National University, Korea
17:55-18:15	Title: Graphene Oxide: Antimicrobial And Antibiofilm Effect On Wound-Related Microorganisms Mara Di Giulio , University of "G. d'Annunzio" Chieti - Pescara, Italy
18:15-18:35	Title: Formation of Composite in the Icosahedral Phase of the Quasicristal with Graphene in the production of Hydrogen Reza Jamshidi Rodbari , R & C Jam Catalyst Co-LTD, Brazil
18:35-18:55	Title: Magnetic property of the Quasicristal Al _{62.2} Cu _{25.3} Fe _{12.5} in the formation of nanostructured materials applied in the Petrochemical Industry Lourdes Cristina , R & C Jam Catalyst Co-LTD, Brazil
18:35-18:55	Title: Chemical linkage of perfluoropolyether chains to carbon-based nanomaterials: recent results and new perspectives Maurizio Sansotera , Politecnico di Milano, Italy
Poster Presentations on Day 2	
P-001	Title: Biomass-Derived Robust Three-Dimensional Porous Carbon for High Volumetric Performance Supercapacitors Xiaoguang Liu , West Pomeranian University of Technology, Poland
P-002	Title: CNT in fibers: Manufacturing of bicomponent fibers Merle Orth , RWTH Aachen University, Germany
P-003	Title: Simulation of XRD Pattern for Single- and Multi-layered Graphene: Comparison with Measured Pattern for Single Layer Xiaojing Yang , Beijing Normal University, China
P-004	Title: SFunctionalization of CVD multi-layer graphene with perfluoropolyether chains Luca Gabatel , Politecnico di Milano, Italy
***Note: This is a Tentative Program, it is Subjected to slight changes till Final Program	