Scientific Program
Global Conference on Carbon Nanotubes and Graphene Technologies

March 28-29, 2019 | Milan, Italy

Scientific Federation
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### Day 1 March 28, 2019

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<td>08:30-09:30</td>
<td>Registrations</td>
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<td>09:30-10:00</td>
<td>Introduction &amp; Opening Ceremony</td>
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<td>10:00-10:40</td>
<td><strong>Plenary Forum</strong></td>
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| 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 | Networking & Refreshments Break                                     |
| 11:35-12:15 | **Keynote Forum**                                                   |
| 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 | Lunch Break                                                         |

### Day 2 March 29, 2019

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<td>10:00-10:20</td>
<td><strong>Oral Sessions</strong></td>
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| 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 |
| 11:00-11:20 | Title: Synthesis Mechanism and Electrochemical Properties of Nanographene Materials Obtained by In-Liquid Plasma Method  
Hiroki Kondo, Nagoya University, Japan |
| 11:20-11:35 | Networking & Refreshments Break                                     |
11:35-11:55  Title: Ionizing Radiation Sensors Based on Carbon Nanotubes  
Kenneth Fontánez Mora, Universidad del Turabo, USA

**Sessions 2**

Graphene-based Nanocomposites: Recent Scientific Studies and Applications  
Growth Synthesis Techniques  
Integration Methods

11:55-12:15  Title: Improvement of Dispersion by Sonication of Graphene-Compounds in the Melt Spinning Process  
Merle Orth, RWTH Aachen University, Germany

12:15-12:35  Title: Composite of Fluorinated Graphene with Nanoparticles V2O5 as Material for Flexible and Printed Memristors  
Artem I. Ivanov, Rzhanov Institute of Semiconductor Physics, Russia

12:35-12:55  Title: Synthesis of Carbon-Based Nanomaterials using Plasma-Enhanced Chemical Vapor Deposition  
Mineo Hiramatsu, Meijo University, Japan

Lunch Break  12:55-13:55  @ Restaurant

13:55-14:15  Title: Spectroscopic Investigation of Ar/H2/CH4 and Ar/H2/C2H2 Induction Plasma for Understanding Chemical Kinetics of CH4 And C2H2 Dissociation during Graphene Nano-Flakes Production  
Antaryami Mohanta, EMPA–Swiss Federal Laboratories for Materials Science and Technology, Switzerland

**Sessions 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

14:15-14:35  Title: The Different Faces of Graphene Related Materials: A Safety Perspective  
Peter Wick, EMPA–Swiss Federal Laboratories for Materials Science and Technology Switzerland

14:35-14:55  Title: MOF Derived Porous Carbon for High-Performance Symmetrical Supercapacitor  
Xuecheng Chen, West Pomeranian University of Technology, Poland

14:55-15:15  Title: Humidity Sensors Based on Graphene or Composite Graphene - PEDOT: PSS  
Svetlana. A. Smagulova,North-Eastern Federal University, Russia

15:15-15:35  Title: Wearable Super-High Specific Performance Supercapacitors using a Honeycomb with Folded Silk-like Composite by Nico2o4 Nanoplates Decorated with Nimoo4 Honeycombs on Nickel Foam  
Yedluri Anil Kumar, Pusan National University, Korea

15:35-15:55  Title: Fe2O3@LiCoO2 Composite as Excellent Electrode Material for Supercapacitor Applications  
Chandu V V Muralee Gopi, Pusan National University, Korea

Networking & Refreshments Break  15:55-16:10  @ Foyer

16:10-16:30  Title: Graphene Oxide: Antimicrobial And Antibiofilm Effect on Wound-Related Microorganisms  
Mara Di Giulio, University of "G. d'Annunzio" Chieti - Pescara, Italy

16:30-16:50  Title: Chemical Linkage of Perfluoropolyether Chains to Carbon-Based Nanomaterials: Recent Results and New Perspectives  
Maurizio Sansotera, Politecnico di Milano, Italy

16:50-17:10  Title: Graphene-Based Nanomaterials in Neurosurgical Applications: Thinking Small, Dreaming Big  
Aaron J.K. Tan, Department of Surgery, Scarborough Hospital, York Teaching Hospital NHS Foundation Trust Hospital, UK

**Poster Presentations**

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: Functionalization of CVD Multi-Layer Graphene with Perfluoropolyether Chains  
Luca Gabateli, Politecnico di Milano, Italy

P-004  Title: Graphene Nanocomposite Conductive Polymers for Nerve Regeneration  
Aaron J.K. Tan, Department of Surgery, Scarborough Hospital, York Teaching Hospital NHS Foundation Trust, UK

P-005  Title: Quasiparticles in Transition Metals--Dichalcogenide Nanoribbons  
Geraldo Magela e e Silva, Institute of Physics, University of Brasilia, Brasil

Closing Ceremony
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2nd Global Conference on
Carbon Nanotubes and Graphene Technologies

February 13-14, 2020 | Lisbon, Portugal