

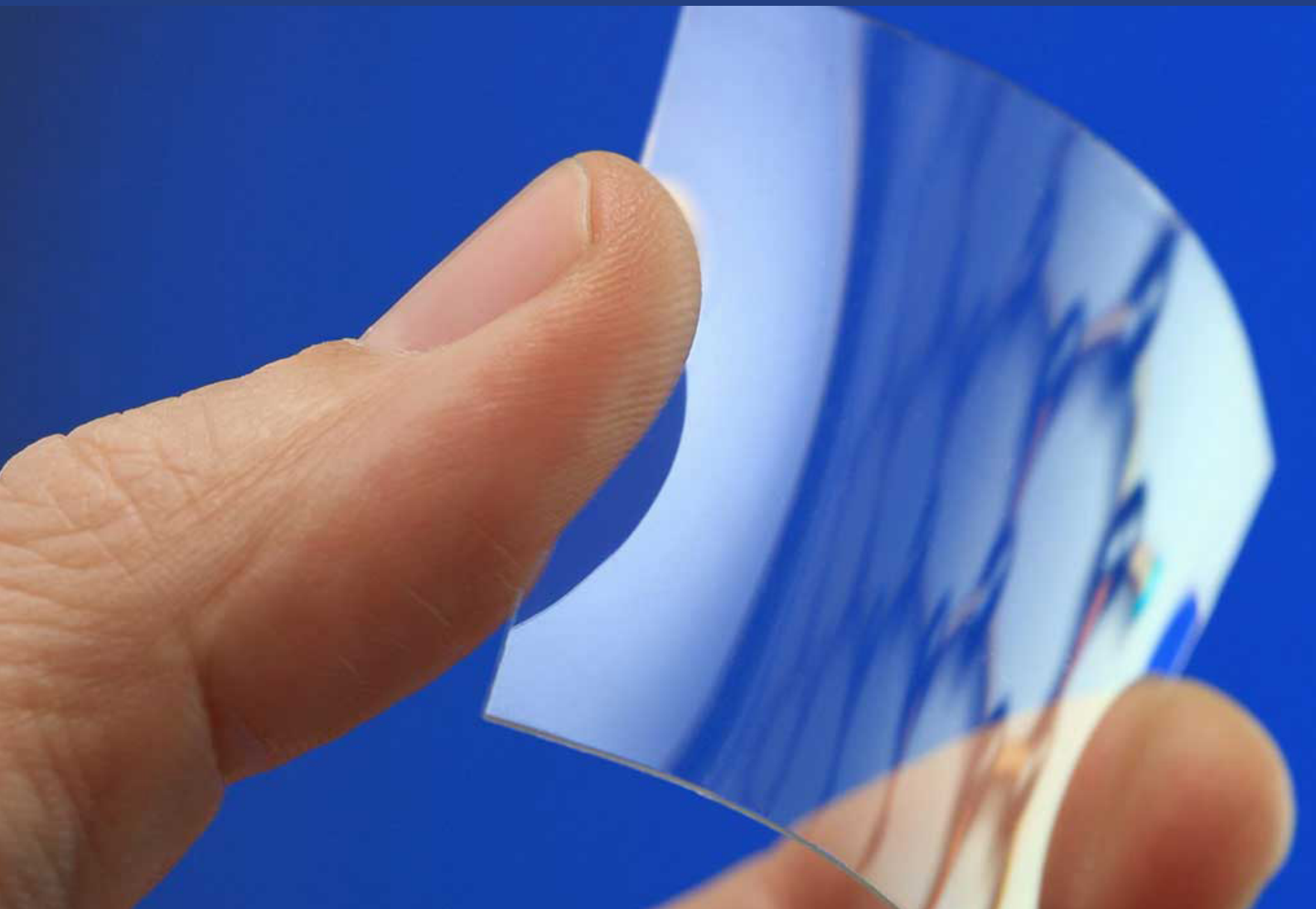


Scientific Program

2nd Global Conference on

Carbon Nanotubes and Graphene Technologies

February 13-14, 2020 | Lisbon, Portugal



Scientific Federation
Panjagutta, Hyderabad, Telangana-500082, India

Day 1 February 13, 2020

Main Hall

- 08:30-09:30 Registrations
09:30-10:00 Introduction & Opening Words

Plenary Forum

- 10:00-10:40 **Title: Interfacial Science of Graphene-Based Nanostructures**
Kaneko Katsumi, Shinshu University, Japan
- 10:40-11:20 **Title: Modeling and Computer Calculations of Graphene-Like Systems and Nanocomposites, their Structures and Properties**
Vladimir S. Bystrov, Keldysh Institute of Applied Mathematics, Russia

Refreshments Break 11:20-11:35 @ Foyer

- 11:35-12:15 **Title: Few-Layered-Graphene/Ceramic Powders without Mixing: Fast Route for Strong Conducting Composites**
Ch. Laurent, University of Toulouse, France
- 12:15-12:55 **Title: Engineered Nanomaterials for Biomedical Imaging and Therapy**
Gerard Tobias, Materials Science Institute of Barcelona, Spain

12:55-13:00

Group Photo

Lunch Break 13:00-14:00 @ Restaurant

- 14:00-14:40 **Title: First Principle Study of Graphene Materials for Energy Storage and Gas Sensors**
Jyh-Chiang Jiang, National Taiwan University of Science and Technology, Taiwan

Keynote Forum

- 14:40-15:10 **Title: Biomedical Applications of Decorated Graphene-Based Nanoparticles**
Rina Tannenbaum, Stony Brook University, USA
- 15:10-15:40 **Title: Graphene-Based Nano- and Heterostructures**
Irina V. Antonova, Federal State Budgetary Institution of Science, Russia
- 15:40-16:10 **Title: Microwave Plasma Enabled Single Step Synthesis of Graphene and Graphene based Hybrid Nanostructures**
Elena Tatarova, Universidade de Lisboa, Portugal

Refreshments Break 16:10-16:25 @ Foyer

- 16:25-16:55 **Title: Computational Exploration and Design of Nanoscale Devices and Sensors**
J. Bernholc, North Carolina State University, USA
- 16:55-17:25 **Title: Cu/CNTs and Ag/Graphene for Advanced Materials**
Jean-François Silvain, ICMCB-CNRS, France

17:25 : 17:40

Panel Discussion

Closing the Conference for the Day 1

Day 2 February 14, 2020

Main Hall

Keynote Forum

- 10:00-10:30 **Title: Recycling of Plastic waste and Potential Application in Energy Storage**
Xuecheng Chen, West Pomeranian University of Technology, Poland

10:30-11:00 **Title: A Preliminary Investigating of the Ising – Model in 2D Crystal for Estimating the Average Lattice Energy and Calculating Selected and Salient Physical Parameters**

Adewole O Mayowa, Atlantic International University, USA

Refreshments Break 11:00-11:15 @ Foyer

Workshop

11:15-12:15 **Title: A Bottom-Up Approach for Graphene Powders: Controlled Homogeneous Nucleation and Growth in the Plasma Phase**

Jean-Luc Meunier, McGill University, Canada

Oral Sessions

12:15-12:35 **Title: Graphene-Boosted Catalysts for Highly Exothermic Reactions**

Vladimir Mordkovich, Technological Institute for Superhard and Novel Carbon Materials, Russia

12:35-12:55 **Title: Web-Like CNT Filaments Obtained in Situ: Characterization and Properties**

Sergey A. Urvanov, Technological Institute for Superhard and Novel Carbon Materials, Russia

12:55-13:15 **Title: Progress in Fluorinated Graphene-Based Materials for Memristors**

Artem I. Ivanov, Rzhanov Institute of Semiconductor Physics, Russia

Lunch Break 13:15-14:15 @ Restaurant

14:15-14:35 **Title: 3D Graphene Network: Synthesis and Applications**

Mineo Hiramatsu, Meijo University, Japan

14:35-14:55 **Title: Topological Effects of Transforming Two-Dimensional Graphene into Three-Dimensional Graphene**

Takuya Okamoto, Tokyo Institute of Technology, Japan

14:55-15:15 **Title: Free Growth of Carbon Nanotubes from Polymer on N-doped Porous Carbon Surface**

Anna Ilnicka, Nicolaus Copernicus University, Poland

15:15-15:35 **Title: Graphene and Au NPs Co-Mediated Enzymatic Silver Deposition for the Ultrasensitive Electrochemical Detection of Cholesterol**

Yongxiang Zhao, Guangxi Medical University, China

15:35-15:55 **Title: Plasma-based Production of Graphene-Metal Oxide Nanocomposites**

A. Dias, Institute of Plasmas and Nuclear Fusion, Portugal

Refreshments Break 15:55-16:10 @ Foyer

16:10-16:30 **Title: Plasma Enabled Synthesis of Vertically Oriented Graphene Structures**

Neli Bundaleska, Universidade de Lisboa, Portugal

16:30-16:50 **Title: Graphene Nanoplatelets-Reinforced Alumina/Zirconia Ceramic Hybrid Nanocomposite Consolidated by Hot-pressing**

Iftikhar Ahmad, King Saud University, Saudi Arabia

Poster Presentations

P-001 **Title: Synthesis of Porous Hybrid Carbon Materials Consist of Activated Carbon and Carbon Nanotube**

Anna Ilnicka, Nicolaus Copernicus University, Poland

P-002 **Title: Ullmann-type Reactions of Carbon Nanotubes - Novel Route in the Chemistry of sp²-carbon Allotropes**

Anna W. Kuziel, Silesian University of Technology, Poland

P-003 **Title: Layer-by-Layer Unsheathing of Multi-Wall Carbon Nanotubes as a Result of Prolonged Boiling in Nitrating Mixture**

Patrycja M. Wąsik, Silesian University of Technology, Poland

End of the Conference

Bookmark Your Dates

3rd Global Conference on

Carbon Nanotubes and Graphene Technologies

February 18-19, 2021 | Montreal, Canada

