

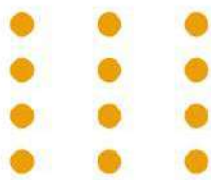
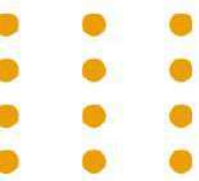
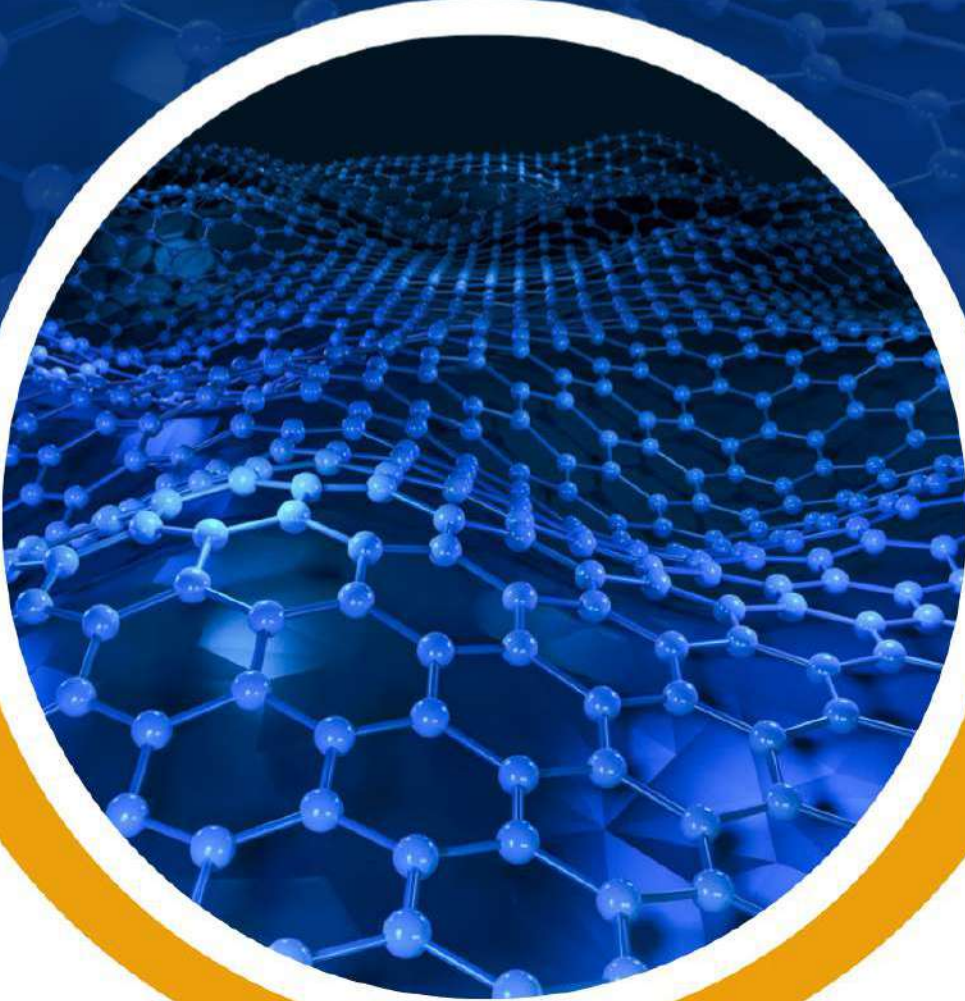


FINAL - PROGRAMME
International Conference on

GRAPHENE-2024

Graphene Technology and 2D Materials

August 22-24, 2024 | Webiner



 graphentech2024@xpertsmeetings.org

 +91 8341 464854

 <https://xpertsmeetings.org/graphenetechn24/>

 #3rd Floor, Shanthala Nagar,
Bengaluru, 560001

DAY -1 AUGUST 22, 2024

Time Zone: Beijing, Asia (GMT+8)

09:00-09:30 Opening Ceremony

Plenary Session

Conference Chair: Thomas J. Webster

9:30-10:10	P	Title: 2D Aerogel-Based Sensors for Environmental and Health Monitoring
		Roya MABOUDIAN, University of California, USA
10:10-10:50	P	Title: Nano-Graphene: Advances, Limitations, and Promises in Health
		Thomas J. Webster, Hebei University of Technology, China
10:50-11:30	P	Title: TBA
		Ouyang Jianyong, National University of Singapore, Singapore
11:30-12:10	P	Title: 2D Semiconductor Moiré Superlattices and their Novel Electronic Transport Properties
		Ning Wang, Hong Kong University of Science and Technology, Hong Kong

Invited Session

12:10-12:40	I	Title: Fabrication and Applications of the Zigzag Edges of Graphene
		Tomohiro Matsui, Advanced Research Laboratory, Anritsu Corporation, Japan
12:40-13:10	I	Title: Graphene Growth by Thermal Decomposition of Transition Metal Carbides
		NORIMATSU Wataru, Waseda University, Japan
13:10-13:40	I	Title: Advanced ZnO Based Piezo-Phototronic Optoelectronics
		Wenbo Peng, Xi'an Jiaotong University, China
13:40-14:10	I	Title: Graphene Oxide-Based Materials as Catalysts for Photocatalytic CO₂ Reduction
		Jing Shang, Peking University, China
14:10-14:40	I	Title: Construction of a Novel Metal-free Heterostructure Photocatalyst for Enhanced Photocatalytic CO₂ Reduction
		Yuhan Liu, Peking University, China
14:10-15:10	I	Title: Achieving Decarbonisation Targets Using Graphene Oxide - Fly Ash (GO-FA) Concrete
		Isuri Fonseka, University in Kensington, Australia
15:10-15:40	I	Title: Raman Spectroscopy of Graphene for Quality Control
		Anna K. Ott, National Center for Scientific Research, France
15:40-16:10	I	Title: Multilayer Graphene: What can Raman Microscopy do for you
		Cedric Pardanaud, Aix-Marseille University, France
16:10-16:50	P	Title: Functionalised Graphene Oxide Nanomaterials are the Next Generation 3D Scaffold for Development Human Organs
		Alexander Seifalian, Nanotechnology & Regenerative Medicine Commercialisation Centre, LBIC, University of London, UK

End of Day 1

DAY -2 AUGUST 23, 2024

Time Zone: London, UK (GMT+1)

09:00-09:30 Opening Ceremony

Plenary & Keynote Session

9:30-10:10	K	Title: Manipulating Graphene-Based Nanocomposites for Application in Radiofrequency Therapy Paulo Cesar De Morais, Catholic University of Brasilia, Brazil
10:10-10:50	K	Title: Bio-Inspired and Bio-Derived, Sustainable, Methods for Production and Activation of Graphene (Composites) JANOWSKA Izabela, The National Centre for Scientific Research, France
10:50-11:30	P	Title: TBA Zhongwei Chen, University of Waterloo, Canada

Invited Session

11:30-12:00	I	Title: Effect of Aging on Mechanical and Antibacterial Properties of Fluorinated Graphene Reinforced Glass Ionomer: In Vitro Study Suzan Khaled, Badya University, Egypt
12:30-13:00	I	Title: Synthesis of Graphene-Based Nanomaterials Using an Atmospheric Plasma Source Edgar Felizardo, Institute of Plasma and Nuclear Fusion, Portugal
13:00-13:30	I	Title: Tuning the Exchange Coupling in Graphene Based Synthetic Antiferromagnets Natasa Stojic, The Abdus Salam International Centre for Theoretical Physics, Italy
13:30-14:00	I	Title: Graphene Grown on Ruthenium as Versatile Templates for Molecule-Based Technologies Cristina Díaz, Complutense University of Madrid, Spain
14:00-14:30	I	Title: Effect of Graphene on Metals (Ni, Fe, Ti, Pt) Surface Relaxation: Molecular Dynamic Simulation Sergiy Konorev, Igor Sikorsky Kyiv Polytechnic Institute, Ukraine
14:30-15:00	I	Title: Key Functional Materials for Hall Sensors – Candidates for Magnetic Diagnostics in Radiation and Temperature Conditions of the DEMO Fusion Power Plant. Inessa Bolshakova, Lviv Polytechnic National University, Ukraine

15:00-15:40

Break Time

15:40-16:20	P	Title: TBA Ram Gupta, Pittsburg State University, USA
16:20-16:50	I	Title: Engineering of Nanoporous Graphene Membranes for Efficient Water Purification Hanaa Hegab, Khalifa University of Science and Technology, UAE
16:50-17:20	I	Title: The importance of Being Aware of your Graphene Oxide Type Jaroslav Filip, Tomas Bata University in Zlín, Czech Republic
17:20-17:40	I	Title: Optical Fiber-Based Plasmonic Substrate for Surface-Enhanced Raman Spectroscopy Gautam Das, Lakehead University, Canada
17:40-18:10	I	Title: Oxide/Graphene Hybrid Heterostructures Andrea Picone, Polytechnic of Milan, Italy
18:10-18:40	I	Title: Band Gap Engineering in 2D-Mo(S1-X,TeX)2-Alloy Adsorbed on Graphite, or Sandwiched Between Two Layers of Graphene Benjamin Burton, National Institute of Standards and Technology, USA
18:40-19:10	I	Title: Comparative Investigation of Different Synthesis and Preparation Methods for Anticorrosive Graphene Thin Films Jun Jiao, Portland State University, USA
19:10-19:40	I	Title: The Role of Ammonia as an Efficient Solvothermal Medium for Preparing N-Doped Tannin-Derived Carbon Materials with High Electrochemical Capacitor Performance Oscar Claudio Pinto Burgos, University of Concepcion, Chile

End of Day 2

2nd INTERNATIONAL CONFERENCE ON

Graphene Technology and 2D Materials

August 21-23 2025 | Barcelona, Spain



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Bengaluru, 560001



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