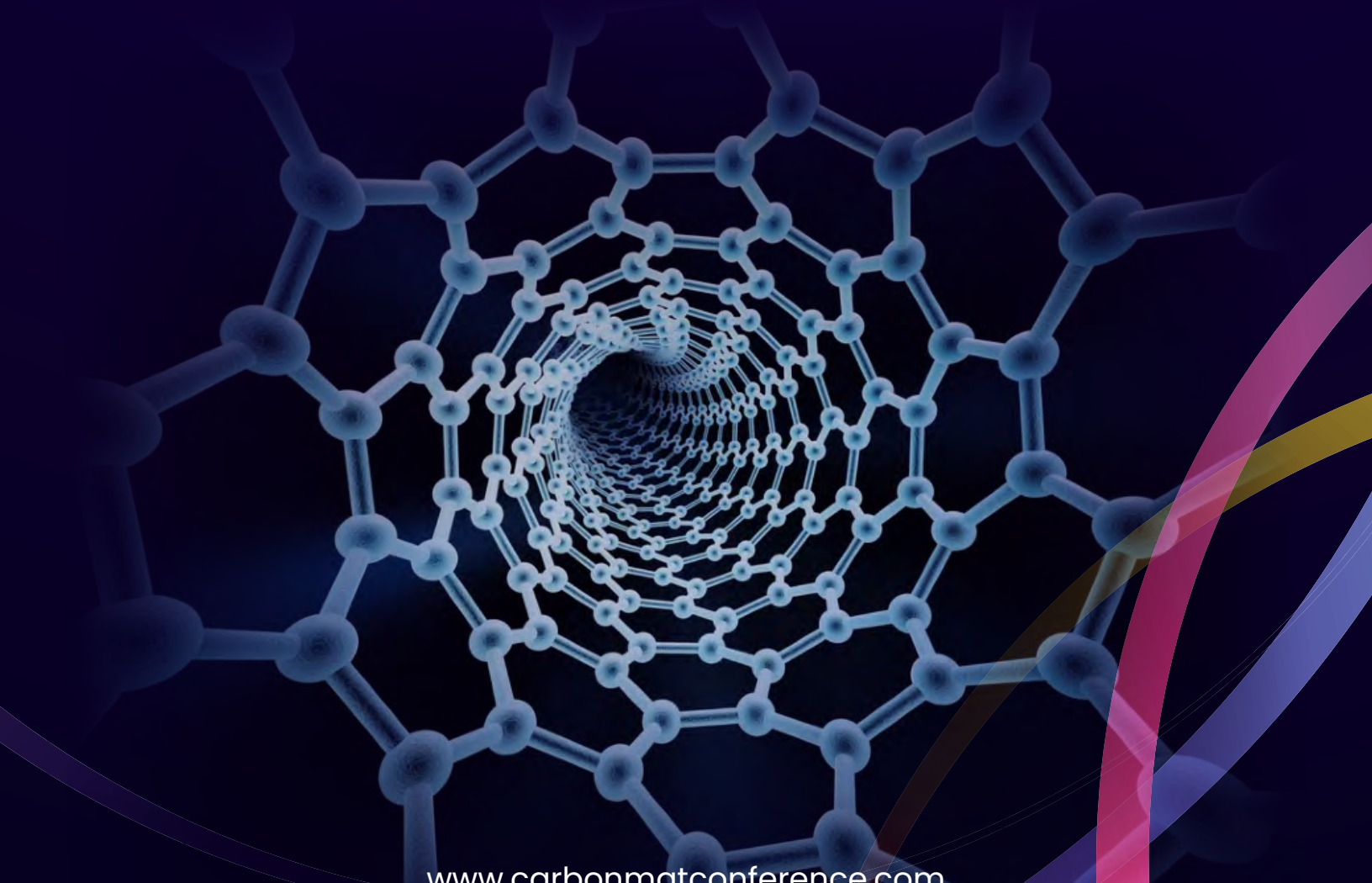
PRISM

Mystery of CARBON 2025

INTERNATIONAL CONFERENCE ON CARBON MATERIALS

NOVEMBER 26–28, 2025 | DUBAI, UAE



www.carbonmatconference.com

WELCOME TO MYSTERY OF CARBON 2025

Mystery of carbon is very delighted and honored to extend a warm welcome to you for the researchers and participants to attend the “International Conference on Carbon Materials”, taking place at amidst the stunning beauty of Dubai, UAE from November 26-28, 2025.

The abundance of Carbon coupled with its remarkable chemistry make the element unique and essential to life and the universe. Carbon atoms exhibit enormous flexibility in the way they bond and form material complexes. This conference aims to showcase carbon's diverse possibilities and recent scientific discoveries.

Notable breakthroughs include superconductivity in electron-doped fullerenes. This went above all expectations, and gave H Kroto the Nobel Prize. Carbon has given rise to astonishing new structures and has led to many great dazzling discoveries. The interplay between lattice and electronic structures has led to exciting phenomena like Polarons and Solitons.

The most recent and perhaps one of the most promising discoveries from the point of view of material engineering and applications is the isolation of graphene sheets from Graphite. This truly amazing discovery has made it possible to make 2D dimensional pristine monolayer “metallic” materials.

This Conference will unite researchers and scientists from around the world to engage in discussions about emerging trends, fascinating discoveries, new applications, and unexplored aspects of carbon and its allotropes. And while progressing through the sessions, you'll delve into fascinating topics presented by seasoned researchers and experts. At the end of each discussion, there'll be an opportunity for Q&A, designed to enhance understanding and encourage active involvement from all participants.

This event will provide an environment where researchers, scientists and academics will be under one roof and they can connect, exchange their interests, negotiate business agreements, meet new peoples, and reestablish connections with their colleagues.

This conference will show off the impact carbon have on developmental science. By providing a uniquely encompassing and interlinked overview of carbon science, this conference will aids in the understanding the importance of carbon and how little we know about this mysterious but prevalent atom.

CONFERENCE CHAIR

MANIJEH RAZEGHI

Walter P. Murphy Professor of Electrical and Computer Engineering, Director, Center for Quantum Devices, McCormick School of Engineering, Northwestern University, USA

CO CHAIR

MAURO FERNANDES PEREIRA

Professor
Physics Department, Khalifa University
United Arab Emirates

WHY TO ATTEND MYSTERY OF CARBON 2025?

Join Visionary Speakers and Industry Leaders:

Engage with top experts and thought leaders in the field of carbon materials and materials science. Gain insights from their groundbreaking research and industry experience.

Get Insights into the Latest Trends:

Stay ahead of the curve by learning about the most recent advancements and trends in carbon-based materials, including graphene, carbon nanotubes, and other innovative carbon allotropes.

Learn New Approaches and Ideas:

Discover cutting-edge methodologies and innovative ideas that are shaping the future of materials science, particularly in the realm of carbon materials.

Expand Your Knowledge and Find Solutions to Problems:

Deepen your understanding of carbon materials and explore practical solutions to challenges in your research or industry.

Learn and Develop Your Skills:

Participate in workshops, tutorials, and hands-on sessions designed to enhance your technical skills and knowledge in materials science.

Boost Your Professional Network:

Connect with peers, researchers, and industry professionals from around the world. Build valuable relationships that can lead to future collaborations and opportunities.

Present Your Ideas and Work to Other Experts:

Showcase your research and innovations to a global audience of experts. Gain feedback and recognition for your contributions to the field.

Meet the Market-Leading Companies:

Interact with leading companies and organizations that are at the forefront of carbon materials technology. Learn about their latest products and services.

KEY TOPICS OF CARBON MATERIALS CONFERENCE

1. Computational Modeling of Carbon Materials
2. Physical and Chemical Modification of Carbon Materials
3. Carbon Nanotubes, Fullerenes and Polyacenes
4. Carbon Foams, Structural Graphite and Graphene
5. Carbon-Based Polymers, Fibers and Composites
6. Quantum Technology Based on Carbon Materials
7. Production of Advanced Carbon Materials from Bio-Waste
8. Two-Dimensional Metal Dichalcogenides and their Electronic Structures
9. Energy Harvesting and Storage Based on Diamond and Carbon Materials
10. Characteristics of Carbon Materials under Temperature, Pressure and Magnetic Field
11. Carbon and Diamond Devices for Power Electronics, Optoelectronics and Sensors

WHO WILL ATTEND MYSTERY OF CARBON CONFERENCE?

1. Researchers & Scientists
2. Academic Professionals & Students
3. Industry Leaders & CEOs
4. Technology Innovators
5. Energy & Sustainability Experts
6. Policy Makers & Government Officials
7. Investors & Financial Analysts
8. Entrepreneurs & Startups
9. Media & Science Communicators
10. Environmental Advocates & NGOs

REGISTRATION RATES			
Types of Registration	Early Bird Registration Ends on June 30, 2025	Regular Registration Ends on September 01, 2025	Final Registration Ends on November 26, 2025
Academic	**USD 750**	**USD 790**	**USD 890**
Business	**USD 890**	**USD 990**	**USD 1090**
Student	**USD 390**	**USD 490**	**USD 590**

CARBON MATERIALS MARKET

Amid the COVID-19 crisis, the global market for Advanced Carbon Materials estimated at US$6.1 Billion in the year 2022, is projected to reach a revised size of US$8.2 Billion by 2026, growing at a CAGR of 6.8%.

The Advanced Carbon Materials market in the U.S. is estimated at US$1.5 Billion in the year 2022. The country currently accounts for a 24.22% share in the global market. China, the world's second largest economy, is forecast to reach an estimated market size of US$1.2 Billion in the year 2026 trailing a CAGR of 8.2%. The growth of the aerospace and automotive industries is likely to drive gains in the advanced carbon materials market.

Automotive companies such as Ford and Volkswagen are increasingly focusing on developing lightweight composites for achieving greater fuel economy. The increasing government funds for nanotechnology research in countries such as China, Japan, the Netherlands, Germany, and the US are expected to lead to the emergence of novel advanced nanomaterials.

ABOUT DUBAI, UAE

Dubai, the jewel of the United Arab Emirates, is a global hub of innovation, luxury, and cultural diversity. Known for its ultramodern skyline dominated by the Burj Khalifa-the world’s tallest building-Dubai seamlessly blends tradition with cutting-edge advancements. The city is home to extravagant shopping malls, world-class attractions, and pristine beaches. From the historic Al Fahidi district and bustling souks to futuristic landmarks like the Museum of the Future, Dubai offers an unparalleled experience for travelers. With a thriving economy, dynamic business landscape, and vibrant lifestyle, it stands as one of the most sought-after destinations for conferences, tourism, and investment.

CITY ATTRACTION

1. Burj Khalifa – The world's tallest building with breathtaking views.
2. Palm Jumeirah – A stunning man-made island with luxury resorts.
3. Museum of the Future – A futuristic architectural marvel.
4. Dubai Aquarium & Underwater Zoo – Home to fascinating marine life.
5. Dubai Mall – A shopping paradise with entertainment options.
6. Burj Al Arab – The iconic sail-shaped luxury hotel.
7. Dubai Marina – A vibrant waterfront with restaurants and nightlife.
8. Dubai Frame – A massive frame offering panoramic city views.
9. Global Village – A cultural and entertainment hotspot.
10. Dubai Miracle Garden – A mesmerizing floral wonderland.



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