

**7<sup>TH</sup> EURO-GLOBAL SUMMIT ON**

# **ADVANCEMENTS IN SMART MATERIALS, ENERGY MATERIALS AND STRUCTURES**

**November 20-21, 2024 | Singapore**

**Theme:**

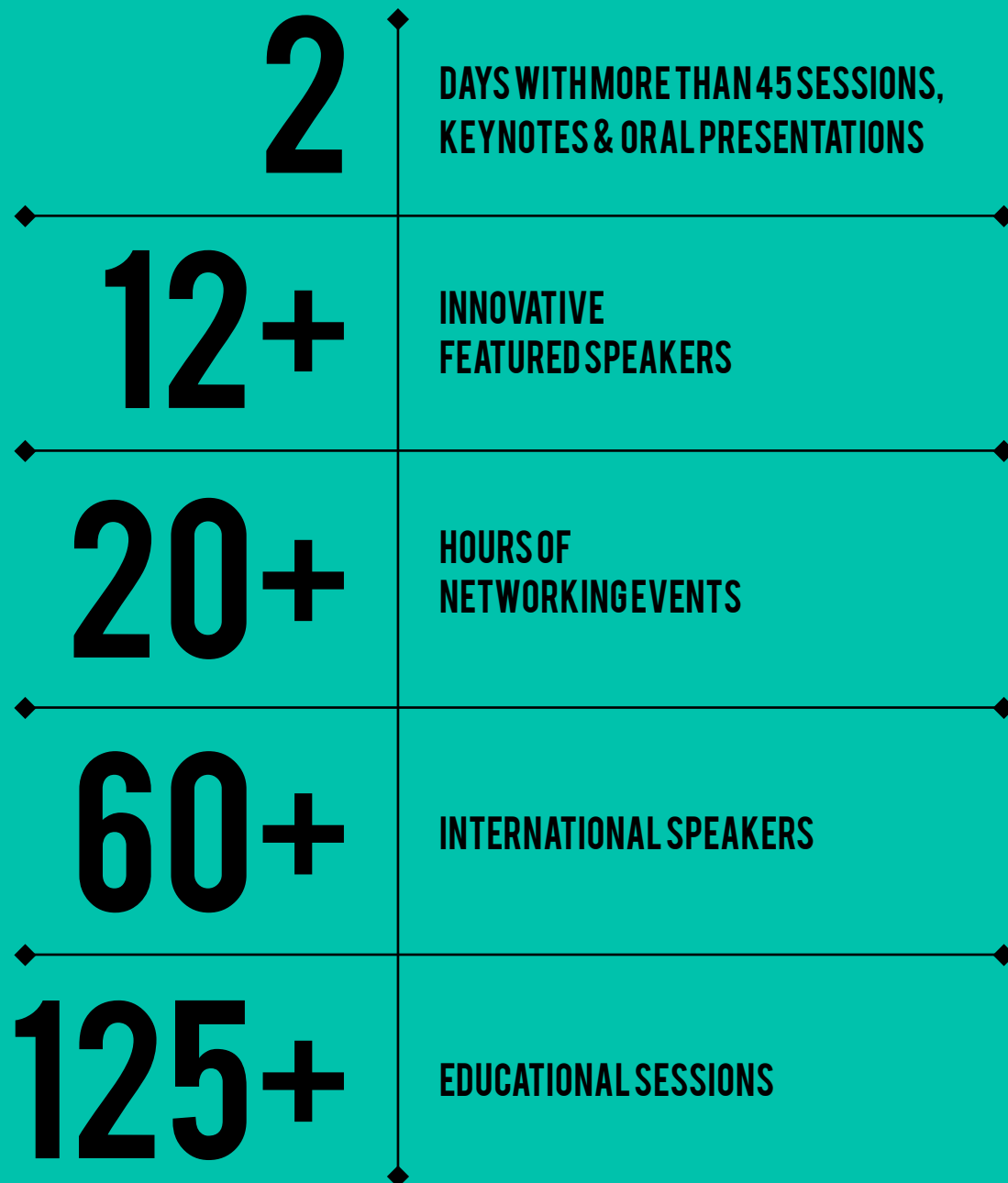
Smart Materials for Sustainable Living and Innovation

**Sub-themes:**

- Smart Materials for Sustainable Infrastructure
- Bio-inspired Smart Materials and Biomimetics
- Smart Materials for Energy Harvesting and Storage
- Smart Materials for Healthcare and Biomedical Applications
- Multifunctional Smart Materials and Hybrid Systems
- Smart Materials for Urban Development and Smart Cities
- Smart Materials for Wearable Technology and Internet of Things (IoT)
- Smart Materials for Advanced Manufacturing and Industry 4.0
- Smart Materials for Environmental Monitoring and Remediation

**ADV.SEMS 2024**

<https://smart-materials.peersalleyconferences.com/>



# WHO SHOULD ATTEND?



## **Materials Science and Engineering:**

Scientists, engineers, and researchers working on the development and application of smart materials, energy materials, and structural materials

## **Energy Sector Professionals:**

Individuals involved in renewable energy, energy storage, energy conversion, and related technologies.

## **Structural Engineers and Architects:**

Professionals interested in the latest advancements in structural materials, building design, and construction techniques.

## **Academics and Educators:**

Scholars and educators from universities and research institutions interested in sharing knowledge and insights in the field.

## **Industry Representatives:**

Representatives from companies involved in material manufacturing, energy production, construction, and related industries seeking to explore new technologies and collaborations.

## **Government Officials and Policy Makers:**

Individuals involved in setting policies related to materials, energy, and infrastructure development.

## **Students and Early Career Researchers:**

Graduate students, postdoctoral researchers, and early career professionals looking to learn about the latest trends and opportunities in the field.

## **Investors and Entrepreneurs:**

Individuals interested in exploring investment opportunities and business ventures related to smart materials, energy materials, and structures.

## **Environmental Scientists and Engineers:**

Professionals focusing on environmental sustainability, pollution control, and eco-friendly materials and energy solutions.

## **Biomedical Engineers and Researchers:**

Individuals interested in the intersection of materials science and biomedical applications, such as tissue engineering, drug delivery systems, and medical implants.

## **Aerospace and Automotive Engineers:**

Professionals working in the aerospace and automotive industries, seeking advancements in lightweight materials, composites, and energy-efficient designs.

## **Supply Chain and Logistics**

**Professionals:** Representatives from companies involved in the supply chain of materials and energy products, interested in efficiency improvements and sustainable practices.

## **Policy Analysts and Regulatory Experts:**

Individuals monitoring regulatory developments and policy frameworks related to materials, energy, and infrastructure at local, national, and international levels.

# PRESENTATION FORUM



## KEYNOTE FORUM / MINI-PLenary SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.



## DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.



## STUDENT FORUM POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.



## YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

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## EDUCATIONAL WORKSHOPS/RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI-SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

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## HIGHLIGHTS OF THE DAY SESSIONS

“Highlights of the Day Sessions” is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

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## MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

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## EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.



# REGISTER & PARTICIPATE

in

## ADV.SEMS 2024

[adv.sems@researchpromoter.com](mailto:adv.sems@researchpromoter.com)

### TYPES OF ACADEMIC REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

### TYPES OF STUDENT REGISTRATIONS

Registration

YIF

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Posters

### TYPES OF BUSINESS REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

### TYPES OF ADDITIONAL REGISTRATIONS

Accompanying Person

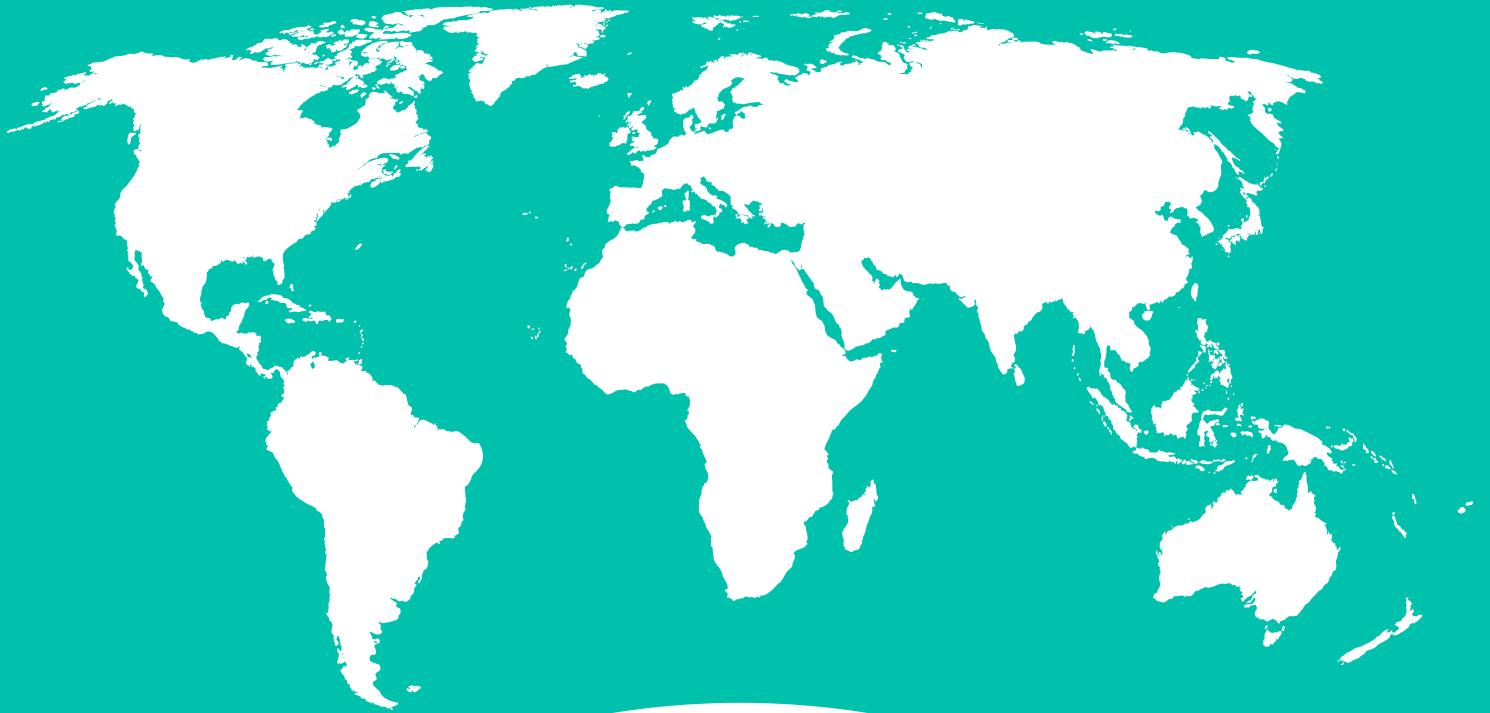
E-Poster

Virtual Presentation

Workshops

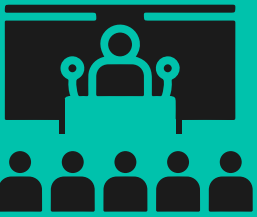
Start-Ups

**TIME TO**  
**CONNECT**

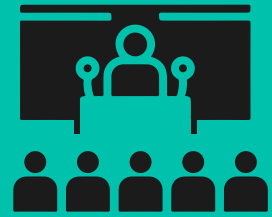


**WITH YOUR**  
**PEERS**

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# CONCURRENT EDUCATIONAL SESSIONS



WEDNESDAY – NOVEMBER 20, 2024

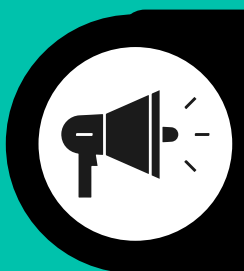


- Smart Materials
- Adaptive Materials
- Advanced Ceramics
- Aircraft Avionics



- Intelligent Materials
- Biofunctionalized Nanoparticles
- Bioinspired Materials
- Biomimetic Materials

## GROUP PHOTO | COFFEE BREAK



- Chromoactive materials
- Composite Materials
- Conductive Polymers
- Elastometers



- Electroactive Polymers
- Electro-Rheological Fluids
- Energy Harvesting

## LUNCH BREAK



- Flexible Electronics and Wearable Sensors
- Functionalization of Carbon Nanotubes



- Graphene-Based Materials
- Hydrogel-Based Biinks
- Intelligent Packaging Materials

## COFFEE BREAK

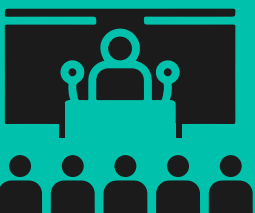


- Magnetic Nanomaterials
- Magnetic Shape Memory Alloys

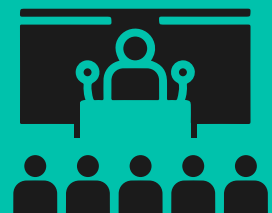


- Magneto-Rheological Fluids
- Metamaterials





# CONCURRENT EDUCATIONAL SESSIONS



THURSDAY – NOVEMBER 21, 2024



- Microfluidic Devices
- Nanocomposites
- Nanofibers



- Nanoparticle-Based Sensors
- Nanostructured Catalysts
- Photovoltaic Materials

## GROUP PHOTO | COFFEE BREAK



- pH-Responsive Polymers
- Piezoelectric materials
- Quantum Dots



- Responsive Drug Delivery Systems
- Responsive Membranes

## LUNCH BREAK



- Responsive Surfaces for Anti-Fouling Applications
- Self-Cleaning Surfaces
- Self-Healing Polymers
- Shape Memory Alloys



- Shape-Changing Materials
- Smart Coatings
- Smart Textiles

## COFFEE BREAK



- Smart Windows with Light-Responsive Properties
- Soft Actuators
- Stimuli-Responsive Hydrogels



- Structural Health Monitoring
- Thermochromic Materials
- Wearable Healthcare Devices

# NETWORKING... CONFERRING... FOSTERING

Attending a Conference isn't all about Learning and Networking

# DISCOVERING

A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, **Adv.SEMS 2024** is scheduled in the Beautiful city "Singapore".



Botanic Gardens



Buddha Tooth Relic Temple



Chinatown



Merlion Park



Gardens by the Bay



Little India And The Arab Street



Marina Bay Sands



Clarke Quay



Merlion Park



National Museum of Singapore



Night Safari



SEA Aquarium



Sentosa Island



Singapore Flyer



Universal Studios


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## CONNECT US

