

International Conference

On

“Advances in Materials, Manufacturing, Mechanical, Mechatronics and Energy”

(ICAM4E - 2025)

(SCI & SCOPUS INDEXED)

Organised by



“Laescuela Education”

On

25 - 28 August 2025

Venue:

**Hotel Grand Pacific Singapore,
Singapore**

The Organiser cordially invites abstracts and full length research/review papers from all over the world to participate in the **International Conference on “Advances in Materials, Manufacturing, Mechanical, Mechatronics and Energy (ICAM4E - 2025)**. This conference is concerned with application and fundamental research of latest advancement in Materials, Manufacturing, Mechanical, Mechatronics and Energy. The objectives of this conference are to explore the experimental, theoretical, and

scientific data analysis foundations of Materials, Manufacturing, Mechanical, Mechatronics and Energy studies. This conference provides the most beneficial platform to strengthen materials and energy related skills and opportunities with an ideal flow of knowledge and information between industrialists, scientists, academicians, researchers, educational administrators, and policymakers. This conference is concerned with theoretical modeling & scientific developments as well as applications of existing technology to new domains. To this end, the meeting aims to attract participants with different backgrounds, to foster cross-pollination between different research fields, and to expose and discuss innovative theories, methodologies, tools, and applications for sustainable development. All contribution should be of high quality, original and not published elsewhere or submitted for publication. During the review period, papers will be reviewed by eminent scholars in the respective areas. The selected papers will be published in ESCI (WoS) Indexed Journals, Nano Hybrids and Composites; and Journal of Polymer and Composites along with Scopus Indexed Journals; Defect and Diffusion Forum, Solid State Phenomena, Materials Science Forum, Key Engineering Materials, Advances in Science and Technology after peer review by review and editorial committee with additional APC. All the submitted papers will be published either in Cureus Journal of Engineering (Springer Nature) or International Journal of Scientific Research & Engineering Development (IJSRED).

ADVISORY COMMITTEE

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CONFERENCE THEMES

Advanced and Smart Sustainable Materials

- Advanced 2D and 3D Materials
- Drug Design and Recovery
- Bio-Ceramics and Medical Applications
- Polymers and Ceramics
- Composite Materials
- Computational Materials
- Electronic Materials
- Corrosion
- Condensed Matter
- Magnetic Materials
- Material Properties and Applications
- Material Synthesis and Processing
- Material Characterisation
- Semiconductors
- Smart Materials and Biomaterials
- Photovoltaic, Fuel Cells and Solar Cells
- Superconductors
- Bearings and Friction Materials
- Surface Coating Materials
- Micro and Nano-Materials
- Energy Storage Materials
- Steels and Super-Alloys
- Welding Materials

- Shape Memory Alloys
- Computational Materials Science and Modeling

Advanced Manufacturing Techniques

- Advanced Manufacturing Processes
- Non-Conventional Manufacturing
- 3D/4D/5D Printing
- Artificial Intelligence in Manufacturing
- CAD/CAM/CAPP/CIM
- Cyber Security in Manufacturing
- Digital Manufacturing
- Green Manufacturing
- Industry 4.0 and 5.0 in Manufacturing
- Intelligent Manufacturing
- Micro and Nano-Manufacturing
- Non-Destructive Testing Techniques
- Optimization, Modelling, Analysis and Simulation of Manufacturing Processes
- Powder Metallurgy
- Rapid Prototyping
- Advanced Welding Techniques
- Ultra-Precision Machining Techniques

Advanced Mechanical Engineering Systems

- Fluid and Thermal Engineering
- Combustion Engines
- Heat Exchangers and Gas Turbines
- Industrial and Production Engineering
- Computational Fluid Dynamics (CFD)
- Heat Transfer and Nano Fluids

- Pollution Control
- Tribology
- Refrigeration and HVAC Systems
- Power Plants
- Thermodynamics
- Engineering Design
- Vibration and Acoustics
- Failure Analysis and Fracture Mechanics
- Mechanism and Dynamics
- Power Cycles
- System Dynamics and Simulation
- Applied Mechanics and Design
- Aerodynamics
- Thermo-fluids
- Automotive Engineering and Powertrain

Advanced Mechatronics Systems

- Mechatronics Systems
- Robotics and Automation
- Control Systems
- Sensors, Transducers and Actuators
- Micro/Nano Electromechanical Systems
- Machine Learning Algorithms
- Artificial Intelligence
- Internet of Things
- Prosthetics
- Biomimetics
- Haptics
- Biomedical Engineering

Sustainable Energy Resources and Policies

- Green and Sustainable Energy
- Advanced Energy Storage Techniques
- Energy Conversion and Conservation
- Renewable Energy Resources
- Non-Conventional Energy Resources
- Novel Bioenergy Production Methods
- Safe and Clean Environment
- Clean, Affordable and Secure Energy
- Sustainable Energy Growth
- Integration of Intermittent Renewable Energy Resources
- Clean Energy Technologies
- Energy-Efficient Innovations
- Energy Recovery Systems
- Waste-Harvesting Technologies
- Renewable Energy Technologies
- Energy Storage and Grid Integration
- Energy Policy and Regulations
- Carbon Capture and Sequestration
- Energy Economics and Management
- Energy Modeling and Optimization

ABSTRACT SUBMISSION

Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organising Secretary through the following link: <https://forms.gle/6RKpZmMcuWkNLSsD6> on or before **Tuesday 15 July, 2025**.

Intimation of Acceptance of Abstract will be issued within a week of submission time. Full Length Papers will be reviewed by the review

and editorial committee as per the journal guidelines.

SUBMISSION OF REGISTRATION FORM

Registration form must be filled via the link: <https://forms.gle/yR8mhKrsyqip7FJQ9>. Submission of Registration fees is accepted latest by **Monday 21 July, 2025** for **Early Bird Registrations** and **Monday 11 August, 2025** for **Regular Registrations**.

REGISTRATION

The participants are requested to register **ONLINE** along with payment of registration fees.

Bank Details are provided on conference website. The conference fee payment can be made via link - https://icam4e2025.laeconference.com/?page_id=113

REGISTRATION FEES

One-Day Oral/Poster Conference Registrations

Categories	Early Bird	Regular	Conference Day
Student	200 USD	230 USD	270 USD
Author	220 USD	250 USD	290 USD
Non-Author (6 to 18 Years Age)*	120 USD	150 USD	170 USD
Non-Author (Above 18 Years Age)	180 USD	210 USD	250 USD

Four-Days Oral/Poster Conference Registrations

Categories	Early Bird	Regular	Conference Day
Student	350 USD	390 USD	430 USD
Author	370 USD	410 USD	450 USD
Non-Author (6 to 18 Years Age)*	300 USD	330 USD	350 USD
Non-Author (Above 18 Years Age)	340 USD	380 USD	420 USD

Online Registrations

Categories	Registration Fee
Online Presentation Registration	50 USD

***Non-Author (6 to 18 Years Age) Registration category is valid with Age Proof only.**

The registration fee includes:

- Access to offline conference sessions
- Full conference materials
- Lunch on 1st day of the conference
- Coffee breaks (2) with snacks on 1st day of the conference
- Wi-Fi facility at conference premises
- Exclusive tours (only for 4-days conference registrations)
- Publication in IJSRED or CJE, Springer Nature

For further information and Latest updates, please visit the conference website <https://icam4e2025.laeconference.com/> or Write us at icam4e2025@gmail.com.