

PATRONS

1. Dr. P. Venkat Rangan, Vice-Chancellor, Amrita Vishwa Vidyapeetham, Coimbatore.
2. Dr. Maneesha Vinodini Ramesh, Pro Vice-Chancellor, AVV, Coimbatore.
3. Dr. Sasangan Ramanathan, Dean- Engineering, AVV, Coimbatore.
4. Dr. H.P. Khincha, Former Vice-Chancellor, VTU, Belgaum.
5. Dr. Manoj P., Campus Director, Amrita Vishwa Vidyapeetham, Bangalore.
6. Dr. Sriram Devanathan, Principal, ASE, Amrita Vishwa Vidyapeetham, Bangalore.
7. Dr. E.A. Gopalakrishnan, Principal, ASC, Amrita Vishwa Vidyapeetham, Bangalore.

ADVISORY COMMITTEE

1. Dr. Nagaraja R, Managing Director, PRDC Pvt. Ltd., Bangalore.
2. Dr. Valentina Emilia Balas, Professor, "Aurel Vlaicu" University of Arad, Romania.
3. Dr. Chengappa Munjandira, Chair-Elect 2026, IEEE Bangalore Section.
4. Dr. Navin Kumar, Professor, Dept. of ECE, ASE & Chair IEEE Sensors Council, Bangalore.
5. Dr. RangaRao Venkatesha Prasad, Assoc. Professor, TuDelft, Netherland & Chair of Sensors Council Standard Committee.
6. Dr. Rajesh N, NMIT, Bangalore & ExCom Member, IEEE Sensors Council, Bangalore Chapter.
7. Dr. Balaraman K., Senior Advisor, Nava Energy, Bangalore.
8. Mr. Abhimanyu Sahu, Director, Business Development, Schneider Electric, Bangalore.
9. Mr. Amit Rane, Founder & MD, Wudmin Energy Private Limited, Pune.
10. Dr. K.V. Nagaraja, Professor & Research Head, ASE, AVV, Bangalore.

GENERAL / PROGRAM CHAIR

1. Dr. Vidya H.A., Professor & Chairperson, Dept. of EEE, School of Engineering, Amrita Vishwa Vidyapeetham, Bangalore.

FINANCE COMMITTEE

1. Chair: Dr. J. Ramprabhakar, Professor & Vice-Chair, Dept. of EEE, ASEB.
2. Mr. Vishnu Raj, Asst. Professor, Dept. of EEE, ASEB.

TECHNICAL PROGRAM COMMITTEE (TPC)

1. Chair: Dr. M.R. Rashmi, Professor, Department of EEE, ASE, AVV, Bangalore.
2. Co-Chair: Mr. Sundaresan, Infosys, ExCom Member, IEEE Sensorss Council, Bangalore.
3. Dr. Vasudeva, Professor, NMAMIT, Mangalore & ExCom Member, IEEE Bangalore Section, Bangalore.
4. Dr. Manjula G. Nair, Professor & Chairperson, Department of EEE, ASE, Amrita Vishwa Vidyapeetham, Amritapuri.
5. Dr. Balamurugan S, Professor & Chairperson, Department of EEE, ASE, Amrita Vishwa Vidyapeetham, Coimbatore.
6. Dr. Mini Sujith, Assoc. Professor, Department of EEE, ASEB.

7. Dr. Surekha P., Assoc. Prof., Dept. of EEE, ASEB.
8. Dr. Sujit Kumar, Asst. Professor, Dept. of EEE, ASEB.
9. Dr. M Vinodhini, Asst. Professor & Vice chair, Dept. of ECE, ASEB.
10. Dr. Rajeevlochana G. Chittawadigi, Asst. Professor & Vice chair, Dept. of ME, ASEB.
11. Mr. Nitesh Kumar D., Technical Lead - Grid Modeling, Fluence, Bangalore.

PUBLICATION COMMITTEE:

1. Chair: Dr. K. Deepa, Professor, Dept. of EEE, ASEB.
2. Co-Chair: Dr. Madhu B.M., Siddaganga Institute of Technology & ExCom Member, IEEE Sensors Council, Bangalore.
3. Dr. Manitha P.V., Assoc. Prof., Dept. of EEE, ASEB.
4. Dr. K. Sireesha, Asst. Professor, Dept. of EEE, ASEB.

REGISTRATION COMMITTEE

1. Chair: Dr. S. Syama, Asst. Professor, Dept. of EEE, ASEB.
2. Mrs. Sailaja, Asst. Professor, Dept. of EEE, ASEB.
3. Dr. Sudha Yadav, Asst. Professor, Dept. of EEE, ASEB.

PUBLICITY COMMITTEE:

1. Chair: Dr. Kirthika Devi V. S., Assoc. Prof., Dept. of EEE, ASEB.
2. Dr. U. Kruthika, Asst. Professor, Dept. of EEE, ASEB

WEBSITE COMMITTEE:

1. Chair: Dr. M. Nithya, Asst. Professor, Dept. of EEE, ASEB.
2. Mrs. S. Lekshmi, Asst. Professor, Dept. of EEE, ASEB.

CONTACT DETAILS

Dr. Vidya H.A. - Professor & Chairperson
Dept. of Electrical & Electronics Engineering,
School of Engineering, Amrita Vishwa Vidyapeetham,
Bangalore, India - 560 035

Ph: +91-80-25183700, Mobile: +91 9740469086
Email: icseams2027@blr.amrita.edu, ha_vidya@blr.amrita.edu

ORGANIZED BY
DEPARTMENT OF EEE



SCHOOL OF
ENGINEERING
BENGALURU



17TH - 19TH
JUNE 2027

ICSEAMS 2027

INTERNATIONAL CONFERENCE ON
SUSTAINABLE ENERGY, AUTOMATION,
MECHATRONICS, & STORAGE



IEEE - ICSEAMS2027 OVERVIEW

An IEEE international conference " ICSEAMS 2027 " is being organized by the Dept. of Electrical & Electronics Engineering, Amrita School of Engineering, Bangalore, Karnataka, India. The conference will be held for three days during June 17 – 19, 2027 & encompasses diverse areas in the field of Electrical Engineering.

The ICSEAMS 2027 aims to bring together leading academicians, researchers, students and research scholars to interact and exchange novel ideas about all aspects adopted in the field of Sustainable Energy, Automation, Mechatronics and Storage. Participation from industry and academia will make the conference a vibrant experience.

TRACKS

1.Sustainable Energy

- Renewable Energy Systems & Integration
- Smart Grid & Microgrid Operations
- Decarbonization Strategies
- Thermal & Alternative Energy
- Materials for Clean Energy
- Waste-to-Energy
- Net-Zero & Sustainability Planning
- Power System Design, Reliability & Security
- Energy Markets, Regulatory Aspects & Policies
- Energy Conversion for Sustainable Transportation
- Advanced Power System Protection, Stability and Control
- Distributed Energy Resources
- Grid Optimization
- AI-Driven Energy Management
- Data Analytics in Power/Energy Systems
- Cybersecurity in Power/Energy Systems
- Machine Learning, And IoT in Power/Energy Systems
- AI-Driven Energy Forecasting and Power System Optimization
- Circular Economy in Renewable Energy Systems
- Industrial Symbiosis & Energy



2.Automation

- Control Systems
- Industrial Automation
- Industrial Control & Instrumentation
- Smart Grid & Intelligent Automation
- Renewable Energy Automation
- Automation in Electric Transportation
- Power System Dynamics & Control
- Automation in Energy Management Systems
- Intelligent Power Systems & Mobility
- Electrical System in Space Technologies & Aviation



3.Mechatronics

- Intelligent Control and AI in Mechatronics
- Power Electronics & Energy Systems
- Industrial Electronics
- EV Powertrain Technologies
- Sensors and Energy-Efficient Microcontrollers
- Electric Drives, Motor Control and Actuation
- Mechatronics Role in HVDC, Facts and Advanced Transmission Systems
- Power Electronic Converters and Control
- Power Electronics for Renewable and Storage Systems
- Design of Sensors and Actuators
- Micro/Nano-Electromechanical Systems (MEMS/NEMS)
- Robotics Applications

4.Storage systems

- Battery Management System (BMS)
- Energy Storage Technologies
- EV Battery Management
- Planning and Grid Interaction for E-Mobility
- Fuel Cells
- Supercapacitors
- Hydrogen Production & Storage
- Charging Systems & Infrastructure
- Autonomous Vehicles
- Grid Connected BESS
- Energy Management System (EMS) For BESS
- Recycling of Batteries
- Supply Chain Management



ABOUT AMRITA VISHWA VIDYAPEETHAM, THE CONFERENCE VENUE

Amrita Vishwa Vidyapeetham is a multi-disciplinary, research-intensive private university with over 31,000 students and 2,150+ faculty members. Accredited with the highest NAAC A++ grade, it offers 300+ undergraduate, postgraduate, doctoral programs across Engineering, Management, Medical Sciences, Ayurveda, Life Sciences, Physical & Agricultural Sciences, Law, Arts & Humanities, and Social & Behavioural Sciences. The university has 10 campuses across Amaravati, Amritapuri, Bangalore, Chennai, Coimbatore, Kochi, Mysuru, Nagercoil, NCR Delhi (Faridabad), and Haridwar, spanning 1,200+ acres with over 10 million sq. ft. of built-up area. Ranked 8th in NIRF 2025, Amrita continues to be recognized among India's leading private universities. The Amrita School of Medicine, Kochi secured the 9th rank in the Medicine category, while the university achieved the 37th global rank in the Times Higher Education Sustainability Impact Ratings 2026. With 180+ collaborations with top 500 world-ranked universities, Amrita is one of India's fastest-growing institutions, inspired by the vision of its founding Chancellor, Sri Mata Amritanandamayi Devi (Amma).

ONLINE PAPER SUBMISSION

Authors are invited to submit full length papers limited to six pages as per IEEE standards.

IMPORTANT DATES
Paper Submission Deadline - **January 31, 2027**
Notification of Acceptance - **April 15, 2027**
Camera Ready - **May 10, 2027**
Last Date for Registration - **May 15, 2027**

CONFERENCE PROCEEDINGS

All accepted & presented papers will be submitted for possible inclusion in IEEE Xplore digital library.

REGISTRATION OPTIONS

- i) Pre-Conference (17th June 2027)
- ii) Conference (18th & 19th June 2027)

TRAVEL, LODGING & BOARDING

Logistical assistance will be available on request.
Visit: www.amrita.edu/events/icseams-2027/ for further details

REGISTRATION FEE FOR PARTICIPANTS

- i) Preconference on 17th June, 2027: IEEE member: INR 2400/- (USD 30/-) & Non IEEE member: INR 3000/- (USD 35)
- ii) Conference on 18th & 19th June 2027

Sl. No.	Category	Indian delegate (Non-IEEE members) in INR	Foreign delegate (Non-IEEE members) in USD	Indian delegate (IEEE members) in INR	Foreign delegate (IEEE members) in USD
1	Students (Authors)	8000/-	90	6000/-	70
2	Students (Co-Authors)	6000/-	70	4000/-	50
3	Academician (Authors)	12000/-	140	9600/-	110
4	Academician (Co-Authors)	10000/-	120	8000/-	90
5	Industries/Organizations	16000/-	180	12800/-	150

For online registration visit the website www.amrita.edu/events/icseams-2027/. Completed registration forms along with DD drawn in favor of Amrita Vishwa Vidyapeetham, Payable at Bangalore should reach the address mentioned on or before May 15th 2027.