

## CALL FOR PAPERS

The **International Power and Renewable Energy Conference (IPRECON 2026)** is the 4th edition of India's first and only IEEE IAS Club of 6 Technical Paper Conference, organized by the **IEEE Student Branch of the College of Engineering Karunagappally**. With technical sponsorship from **IEEE IAS** and **IEEE PES**. IPRECON 2026 serves as a premier platform for students, researchers, and professionals to share cutting-edge innovations. Held from **March 20–22, 2026** at the College of Engineering Karunagappally, Kerala, India, the conference will feature technical sessions, keynote talks, and workshops. This edition revolves around the theme **“Advancing Power and Renewable Energy Systems through AI, Computing, and Emerging Technologies”**, highlighting the fusion of power systems, renewable energy, electronics, artificial intelligence, and data science to shape a sustainable, intelligent future. All accepted papers will be submitted for inclusion in the **IEEE Xplore® Digital Library**, subject to IEEE quality standards.

### IMPORTANT DATES

**15<sup>ST</sup>**

JUNE 2025

PAPER SUBMISSION  
OPENING DATE

**31<sup>ST</sup>**

OCT 2025

NOTIFICATION OF  
ACCEPTANCE

**20<sup>TH</sup>**

AUG 2025

PAPER SUBMISSION  
CLOSING DATE

**01<sup>ST</sup>**

DEC 2025

FINAL CAMERA  
READY PAPER

### TOPICS OF INTEREST

**We invite authors from across the globe to submit their original research contributions aligned with the following tracks, but not limited to:**

#### **Track 1: Power and Energy Systems**

- Power Converters and Control Systems
- Power Quality and Power Flow Control
- Smart Grid Technologies
- Distributed Generation and Grid Interconnection
- Energy Policies and Standards
- High Voltage Engineering and Insulation for Power Systems.

#### **Track 2: Renewable Energy and Storage**

- Solar, Wind, and Hybrid Energy Systems
- Energy Storage Systems and Battery Management
- Microgrid Technologies
- Electric Vehicles and Charging Infrastructure
- Grid Modernization and Integration

### Track 3: Power Electronics and Control

- Power Electronic Converters and Drives
- Control Strategies for Renewable Energy Systems
- Wide Band Gap Devices and Applications
- Electric Machines and Motor Control
- HVDC and FACTS Technologies

**Dates: 20<sup>th</sup>, 21<sup>st</sup> and 22<sup>nd</sup> MARCH 2026**

### Conference Paper Submission Requirements

The conference will be held in Hybrid Mode. The maximum page limit is six pages including references. No author biography at the end is permitted. In case additional pages are necessary, pages up to 8 pages are permitted subject to payment of Rs. 700 (\$15) extra per each additional page. The details regarding the platform for the virtual attendees of the conference and how to access it will be provided via E-mail, after registration. Attendee Registration includes access to all technical sessions and keynotes

#### PAPER SUBMISSION

Authors are invited to submit 6-page full paper in standard IEEE format for review. The conference proceeding will be submitted to the IEEE Xplore® Digital Library.

**20% of the presented conference papers will be eligible for further review and possible publication in the IEEE IAS periodicals (Transactions, Magazine)**

### Track 4: Computing, Artificial Intelligence, and Data Science for Energy Systems

- Machine Learning and AI for Smart Grids
- Predictive Maintenance and Fault Detection
- Big Data Analytics for Power Systems
- Nature-Inspired Optimization Algorithms
- Digital Twin and Cyber-Physical Systems
- Blockchain and Cybersecurity in Power Infrastructure
- AI-Based Energy Forecasting
- Data-Driven Decision-Making in Energy Systems

### Track 5: Electronics and Embedded Systems

- IoT-Based Energy Systems
- Wireless Sensor Networks
- Embedded Systems for Power Applications
- Semiconductor Technologies for Renewable Energy
- Advanced Lighting Technologies

### Track 6: Emerging Technologies and Interdisciplinary Solutions

- Smart Cities and Infrastructure Automation
- Energy Management in Industrial Systems
- Swarm Intelligence and Intelligent Control Systems
- Virtual Power Plants and Distributed Energy Resources
- Advanced Energy Storage Techniques



## Conference Registration

Each paper must be covered by a full IEEE member or Non-Member registration fee by one of the authors. IEEE members are requested to provide the IEEE membership number and upload IEEE Membership Card during the online registration process, if registering under IEEE category. IEEE Membership validation will be done after registration, failing which they will be required to pay the applicable balance registration fee of the relevant category. Students need to upload their valid student ID card during registration process, if registering under student category failing which they will be required to pay the applicable balance registration fee of the relevant category. Please keep a copy of the transaction ID, generated by the payment gateway as well as by your bank. You may need these later if you need to track your payment/registration. All correspondence regarding your registration for IPRECON 2026 should contain your Paper ID, and registration conformation number.