



2nd International Conference on **POWER, CONTROL & COMMUNICATION INFRASTRUCTURE 2026** (ICPCCI2026)

CALL FOR PAPERS

**08 - 09
Oct. 2026**

Proposed Sponsors



IEEE Gujarat
Section

Second International Conference on Power, Control and Communication Infrastructure 2026 (ICPCCI2026) will be held on October 8-9, 2026 in Ahmedabad, Gujarat, India. The ICPCCI2026 will be a melting pot of researchers from academia, and R & D organizations and practicing engineers from the utilities, industries and service providers to discuss, share and promote ideas related to state-of-the-art Innovations in Technologies for the Power-Control-Communication sectors. The conference includes Industrial Panel Sessions, Keynote Speeches, Plenary talks, Tutorials, Papers and Poster presentation. With 5 technical streams spread over 2 days, there will be plenty of opportunities for the participants to showcase their work in front of professionals of respective fields.

Link: <https://iitram.in/icpci26/>

Papers are invited on the topics related to Electric Power, Control and Communication, with following focus areas:

Electric Power & Energy

- Energy Conversion
- Plasma Technology
- Renewable energy & grid integration
- Energy storage systems
- Power electronic converters
- Power system protection & security
- FACTS and HVDC
- Power quality
- Power system operation & control
- Computer applications in power systems
- Energy management
- Energy policies & regulation
- Power & energy education
- Restructured power system
- Future grids, buildings, cities & resilient Micro grids
- Electrical machines & drives
- Transportation electrification
- Optimal operation
- Electricity Gas-Water coordination
- Condition monitoring & predictive maintenance of electric equipment
- Asset management

Control Systems

- Adaptive control
- Robust control
- Process control

- Model predictive control
- Complex systems
- Co-operative control
- Identification and estimation
- Nonlinear systems
- Intelligent systems
- Discrete event systems
- Hybrid systems
- Networked control systems
- Sensor network systems
- Delay systems
- Neural networks
- Fuzzy systems
- Control of biological systems
- Precision motion control
- Control applications
- Fault diagnosis
- Control engineering education
- Robotics and control

Communication Systems

- Analog and digital communication
- Antenna Design
- Blue-tooth, Cellular and Mobile Communication
- Fiber and Optical Communication
- Machine to Machine Communication
- OFDM-MIMO Systems and Channel Design

- Wireless Networks and Wireless Sensor Networks
- Navigation Systems: GPS, IRNSS
- Radar and Microwaves
- Sensor and Actuator Networks
- Cellular Networks, Wireless LANs, PANs, MANs, Sensor/ad-hoc Networks
- Mobile IP, IP and Satellite Networks, Wireless Internet/Communications
- Firewalls, Privacy Protection, Security Specification, Encryption/Decryption
- Satellite: Design, Networks, High Throughput Satellites, High Power Amplifiers, Power Conditioners

Autonomous Vehicles & UAV

- UAV-IoT-enabled sensing and tracking
- UAV integration in cellular networks
- UAV-enabled edge computing
- UAV operations

- UAV-based sensor networks
- UAV swarms
- UAV-related protocols and mechanisms
- UAV Design and Data Analysis

Systems for AI/ML

- AI/ML for Mobile Sensing and IoT
- Scalable system architectures for the future of AI/ML
- AI/ML for large-scale edge computing solutions
- Distributed systems for AI models of the future
- Efficient deployment of AI models
- Real-time processing and inference at the edge
- Resource-efficient algorithms for large-scale data
- Optimization techniques for edge-based AI applications
- System enhancements to bring AI to the edge
- Case studies and practical experiences in deploying AI/ML at scale and the edge
- Hardware-aware AI modeling and deployments
- Generative AI on the edge

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