“एआई संचालित, साइबर सुदृढ़ स्मार्ट ऊर्जा मीटर एवं एएमआई” पर अंतरराष्ट्रीय सम्मेलन

International Conference on “AI DRIVEN, CYBER RESILIENT SMART ENERGY METERS & AMI”

21st - 22nd January, 2027

Venue: Hotel Gokulam Grand, Bengaluru
(Physical Mode only)

Standards partner
IEEE SA
STANDARDS ASSOCIATION



Knowledge Partner
IEEE
BANGALORE SECTION

आयोजक / Organized by

मीटरन उपयोगिता स्वचालन प्रभाग
METERING & UTILITY AUTOMATION DIVISION
केन्द्रीय विद्युत अनुसंधान संस्थान
CENTRAL POWER RESEARCH INSTITUTE
(विद्युत मंत्रालय, भारत सरकार / Ministry of Power, Government of India)
प्रो. सर सी वी रामन रोड, पो बा सं. 8066, सदाशिवनगर डाक घर
Prof. Sir C V Raman Road, P B No. 8066, Sadashivanagar Post Office
बेंगलूरु / Bengaluru – 560 080

www.cpri.res.in

CPRI PROFILE

Central Power Research Institute was set up in 1960 by the Government of India to function as a National organization for applied research in power sector and to serve as an independent body for the testing and certification of power sector related equipment. It is a premier research and testing institute in the field of power sector meeting the expectations of industries and the nation. CPRI laboratories have modern testing equipment to meet the testing requirement as per National and International standards. It has been offering its services for over six decades to the power sector in its quest for innovation, new product development, import substitution, quality assurance etc. CPRI is accredited by many International bodies and test reports issued by CPRI are accepted worldwide.

Also CPRI is imparting training and capacity building to the personnel of utilities, industries, manufacturers & academic institutions. CPRI has a vast experience and expertise in the areas of material characterization, simulation, diagnostic, calibration, system analysis and several other areas. The Head Office and the main set-up of the institute is at Bengaluru and other units are at Bhopal, Hyderabad, Nagpur, Noida, Guwahati, Kolkata, Nashik and Raipur.

ABOUT THE ORGANIZING DIVISION

This conference is organized by Metering & Utility Automation Division (MUAD). CPRI has established Energy Meter testing facilities which caters to Type test, Acceptance test, Tamper test and additional tests as per tender specification of utilities, etc. Also, DLMS/COSEM Protocol testing for Static Energy Meters/Smart Meters as per National and International standards. The labs are accredited as per ISO/IEC 17025:2017 standards by NABL and also by BIS. The division also has NABL accredited calibration facility for both at Lab and at Site.

ABOUT THE CONFERENCE

The power utilities are taking up automation projects and AMI system projects under various schemes including RDSS and other schemes for making the power system network more smart and controllable. The Artificial intelligence (AI) play a crucial role in Advanced Metering Infrastructure (AMI) projects by leveraging the massive amount of data generated by smart meters. The Artificial Intelligence is used to analyze the data from Smart Meters to reduce energy consumption. AI-enabled smart meters evolve from simple data collectors into intelligent energy managers. They enable real-time usage (voltage, current & power) analysis and predictive maintenance, such as detecting energy theft or identifying defective components. This leads to better grid management for renewable energy integration, automated consumption control, lower energy bills, increased efficiency, and fewer outages for both consumers and utilities.

This face-to-face conference is organized to discuss following topics for the benefit of all stake holders including Power Generation, Transmission and Distribution utilities with the aim of sharing the emerging trends and technologies available in the market. This will also give a platform to share the knowledge and experience in the field implementations and the lessons learnt during the implementations and their best practices.

INVITATION FOR TECHNICAL PAPERS

It is requested to all researchers and professional to submit their research findings, field experiences and ideas in the form of technical papers in IEEE format to the programme coordinators (Shri.Shankar.D, Mobile: +91 9492884036, email:shankard@cpri.in / Shri Musham Hari Prasad, Mobile:+91 9705655139, email: harimusham@cpri.in). The accepted papers will be published in the conference proceedings only if atleast one of the registered authors presents the paper in the conference as presentation is mandatory. The authors/co-authors, including the presenting author will be required to register individually by making applicable delegate fee for participating in the conference. **Few selected papers will be considered for publishing in "Power Research – A journal of CPRI".**

The conference will cover (but not be limited to) the following topics:

- Smart Metering technologies
- Communication technologies in Smart Meters & AMI
- Cyber Security in Smart Grids
- Cyber Security in Smart Meters and AMI
- Cyber Security in Smart Meters Gateway
- Cyber Security in Communication Systems
- Cyber Security in DLMS/COSEM
- Cyber Security in Digital Substation
- Cyber Security in MicroGrids
- Cyber Security in Renewable Energies
- Cyber Security in BESS
- Cyber Security in DERs and Net-Metering
- Cyber Security in EV Charging Station
- Convergence of IT-OT
- Security in Cloud and Edge Computing
- Big Data Analytics
- Blockchain technology
- Post Quantum Cryptography
- Cyber Security standards
- CEA Cyber Security Guidelines
- Artificial Intelligence (AI) for Smart Meters & AMI
- AI-driven Data Analytics

WHO SHOULD ATTEND?

The conference is aimed at professionals of Power Utilities, Meter Manufacturers, Captive Power Plants (CPP), AMI Service Providers, Integrators, R&D Engineers, Test houses, Consultants, Regulators, Renewable energy producers, Faculties and students from Academic Institutes and other stake holders in power and energy sectors.

REGISTRATION FEE AND DISCOUNT FOR CONFERENCE

Sl. No.	Institutions	Registration fee per head (inclusive of 18% GST)
1	General registration fees	Rs.14,160
1a)	For 3 participants	Rs.12,744 (including 10% discount)
1b)	For 4 or more participants	Rs.11,328 (including 20% discount)
2	Faculty Members from Educational Institutions	Rs.9,912 (including 30% discount)
3	Students of Educational Institutions	Rs.7,080 (including 50% discount)
4	Officials from State Govt./ Central Govt. / Public Sector Units / Power utilities	Rs.9,912 (including 30% discount)
5	Foreign delegate	USD 295

Registration fee shall be paid in advance by online only through CPRI web portal, the link for making payment is **https://payment.cpri.res.in/pmt/index.php**

Scan for Payment

Online Payment: On the payment portal, select the regular payment option, select Unit as "Central Power Research Institute, Bengaluru", Select Division & Laboratory as "Metering and Utility Automation Division". Purpose of payment in Sl.No.4: "Seminar/Webinar/Training/Conference", all other information as appropriate may be provided in respective fields.

Overseas delegates may request the conference coordinators for the bank details for making payment by SWIFT transfer.

It may please be noted that it may take 3 working days to reflect in CPRI account so kindly arrange to make the payment well in advance. Once the payment is made, bank transaction details may be shared with the conference coordinators.

Scan for Registration

Registration fee mentioned are for Indian nationals and foreign delegates. It includes conference kit, course material, tea/coffee with snacks and lunch. Kindly fill in the downloaded/photocopy of registration form separately for each participant and send the same along with payment transaction acknowledgment to conference coordinators. Alternatively, fill in the registration form online (**https://forms.gle/**C4R14jy6xhF81Tzr6**).** It may please be noted that this is a non-residential programme. However, there are limited accommodation on twin sharing basis available in our guest house at nominal charges and the same may be availed on request on a first come first serve basis.

EVENT SPONSORSHIP OPPORTUNITIES

We invite stakeholders to enhance their business opportunities by way of sponsorship.

Details of Sponsorship and Privileges

Category/type	Amount (Rs)	Complementary delegates	Name/Logo	Advertisement pages in E-proceedings	Size
Diamond	8,00,000/-	12	Conference Venue, Conference website, Conference kit	2	5mx3m
Platinum	5,00,000/-	9		1	4mx3m
Gold	3,00,000/-	6		1	3mx3m
Silver	2,00,000/-	4		1	3mx2m
Startup*	1,00,000/-	2		1	2mx2m

*Need to submit documentary proof for last 3 years

IMPORTANT CONFERENCE DATES

- Call for Paper : 27th August 2026
- Last date for submission of full length paper: 17th December 2026
- Notification of acceptance : 27th December 2026
- Registration starts : 27th December 2026
- Conference Date : January 21-22, 2027
- Venue : Hotel Gokulam Grand, Bengaluru
- **Note:** All updates pertaining to this conference will be updated in Conference website only. Please visit Conference website for regular updates.

CONFERENCE COMMITTEE

Conference Patron
Dr. Sreedevi J
Director General, CPRI

Technical Committee

Shri Asit Singh SRPC-CEA	Shri M K Ramesh Grid-India	Shri Mukund S Hejib PGCIL	Shri Pakkeerappa B G BESCOM	Shri Malatesh N.Kodliyavar BESCOM
Dr. Anil Kumar D'Souza KPTCL-SCADA	Dr. Subba Reddy IISc	Dr. Sarajit Das IISc	Dr. Manimaran Govindarasu IoWA SU	Dr. S D Sudarsan CDAC
Dr. Selvan M P NITT	Dr. A Paventhan ERNET	Dr. Devika Jay Center for Responsible AI	Dr. Vaskar Sarkar IIT Hyderabad	Dr. Faruk A. S. Kazi VJTI
Shri Shailendra Goyal Zera India Pvt Ltd	Shri Vinay Gupta MTE India Private Limited	Shri Mukesh Hinger Secure Meters	Shri Ranvir singh Rathore Genus Power Infrastructures Ltd.	Shri Sujith Unnikrishnan Schneider Electric
Shri Vipin Kumar Mishra Capital Power Systems Ltd	Shri Shivaji Rao Linkwell Telesystems Pvt. Ltd.	Shri Manav Arora Avon Meters Pvt Ltd	Shri Ashwani Duwedi Allied Engineering Works	Shri L Sunder Murthy L S Control Systems
Shri Manikandan C Salzer Electronics Pvt Ltd	Shri Manpreet Singh Kaur Bentec India Pvt Ltd	Shri N Chandra Shekar Naina Power (P) Ltd	Shri Sundeep Tandon HPL Electric & Power Ltd	Shri Devinder Kumar REC
Shri Vikas Srivastava BSES Rajdhani Power Ltd	Dr. Suma V DSCE	Dr. Deepa K Amrita Vishwa Vidyapeetham	Dr. Raghu N Jain Global Campus	Dr. Kamakshi Swain Mathworks
Shri G S Papneja Omicron Energy Solutions Pvt Ltd	Shri M Karthikeyan NISSI Engg. Solution Pvt Ltd	Shri Uttam Mishra KoCos Technologies India Pvt Ltd		

Organizing Committee

Dr. T Mallikarjuna Rao CPRI	Dr. Kaliappan P CPRI	Smt Sudha S CPRI	Shri Ashutosh Pathak CPRI
Shri Shankaramurthy CPRI	Shri B L Jayadev CPRI	Shri Shankar D CPRI	Shri Hari Prasad Musham CPRI
Smt Shaileshwari M U CPRI	Shri Kodi Kalyan Srinivas CPRI	Shri Ravindra Desai IEEE SA	Dr. Chengappa M R IEEE PES

Conference Chair

Smt. Sudha.S
Joint Director & HoD
Metering & Utility Automation Division
CPRI, Bengaluru

Conference Convener

Dr. Kaliappan P
Additional Director & Group Head
Metering & Utility Automation Division
CPRI, Bengaluru

Conference Coordinators

(Please contact the coordinators for any queries and regarding sponsorship, registration, and paper submission).

Shri. Shankar. D
Engineering Officer
shankard@cpri.in/ +91 9492884036
MUAD, CPRI

Shri. Musham Hari Prasad
Engineering Officer
harimusham@cpri.in / +91 9705655139
MUAD, CPRI

मीटरन उपयोगिता स्वचालन प्रभाग
METERING & UTILITY AUTOMATION DIVISION
केन्द्रीय विद्युत अनुसंधान संस्थान
CENTRAL POWER RESEARCH INSTITUTE
(विद्युत मंत्रालय, भारत सरकार / Ministry of Power, Government of India)
प्रो. सर सी वी रामन रोड, पो बा सं. 8066, सदाशिवनगर डाक घर
Prof. Sir C V Raman Road, P B No. 8066, Sadashivanagar Post Office
बेंगलूरु / Bengaluru – 560 080