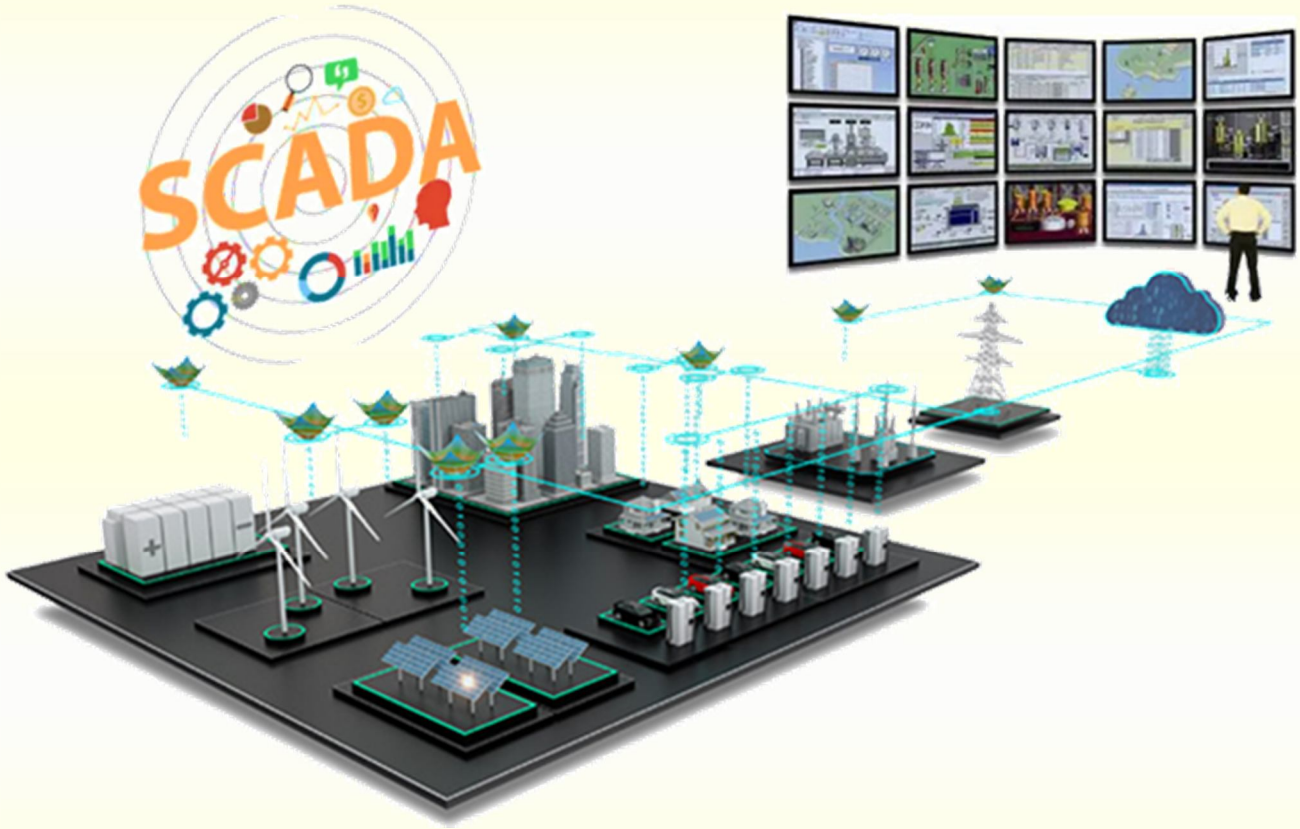
National Webinar on

POWER SYSTEM SCADA AND AUTOMATION

03 November 2023



स्मार्ट ग्रिड अनुसंधान प्रयोगशाला

Smart Grid Research Laboratory

केन्द्रीय विद्युत अनुसंधान संस्थान

CENTRAL POWER RESEARCH INSTITUTE

(भारत सरकार की सोसाइटी, विद्युत मंत्रालय / Govt. of India Society, Ministry of Power)

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CPRI Profile

Central Power Research Institute (CPRI) set up in 1960 by the Government of India, functions as a National organization for applied research in power sector and also serves as an Independent Laboratory for testing and certification of electrical equipment. CPRI also provides consultancy services on various facets of power sector. CPRI has experienced faculty in different subjects of power sector with practical experience in their areas of interest as well as extensive experience in presenting courses/seminars.

Smart Grid and Research Laboratory

The laboratory houses advanced facilities for carrying out testing and research in the area of smart Grid which includes Advanced Distribution Automation, Advanced Metering Infrastructure, Interoperability, Communication and Cyber security systems. It includes Smart Grid Test Bed and Technology Demonstration Test Bed for AMI system. These test beds are also useful in performance evaluation of various smart grid components.

The division is providing testing services of Communication Protocol Conformance for Intelligent Electronic Devices (IEDs) / Gateways/ RTUs as per IEC 61850. The IEC 61850 test facility is accredited by UCA IUG as Level 'A' (Independent Test Lab with certified ISO / IEC 17025: 2017 Quality Systems). The laboratory is accredited as per ISO / IEC 17025: 2017 by NABL and test reports / certificates issued by CPRI are accepted worldwide. The division has also commenced testing of RTUs / FRTUs for communication protocol and security conformance as per IEC 60870-5-101 / 104 and IEC 62351.

The division also provides consultancy services for implementation of Smart Grid and AMI / smart meter implementation, Distribution Automation, SCADA System, Substation automation systems, Cyber security and Communication Systems for various utilities, industries, and other organizations.

About the National webinar

The modern electric infrastructure is becoming more and more dependent on automation, information technology and communication systems. The communication system is also changing from traditional closed system with legacy protocols to open protocols based system with third party communication networks and interface to the global IP networks.

Automation in the power system network is not new. With the technology and the innovation available today, the level of automation in the power system network is wide and reliable. Traditionally, generation and transmission systems were the automated with various technologies and for possible remote control and monitoring of the system. Now, even distribution systems are being automated to achieve reliable, uninterrupted and efficient power delivery to the consumers.

SCADA plays a vital role in remote monitoring and control of the Power Systems network and there are multiple vendors offering suite of features and provisions in the products making it more secure and reliable in operations. This webinar is aimed to discuss the experiences and requirements of the secure and reliable SCADA system for Power Systems network.

Topics Covered

The topics covered during the National webinar will include:

- Power System Automation and Communication Technologies
- SCADA for Power Systems Network.
- Case studies
- Cyber security in SCADA systems

Who should attend?

This National webinar is designed for utility engineers, manufactures, researchers, consultants, system integrators and academia and those who are interested in the topics mentioned above. As the seats are limited, registration will be on first cum first serve basis.

Programme Schedule

The National webinar will be held on **03rd November 2023 from 02:00 PM onwards**, through online mode. Details of the registration link and the schedule will be shared to all registered participants.

Registration

There is no Registration fee for participating in the webinar. However, prior registration is mandatory. Registration could be made by filling in the registration form provided with the brochure or alternatively, by filling in an online registration in the following link:

https://forms.gle/degYyFd3tNaMeMPy5

The programme schedule and participation link will be shared to all registered participants. Hence, the participants are requested to individually send their registrations in advance in the format provided to the programme coordinators.

Please visit CPRI website for any updates.

Programme Coordinators

- Dr. Amit Jain, Joint Director & HOD
- Shri Shivakumar V, Joint Director
- Shri Pradish M, Engineering Officer
- Shri Shailesh Kapoor, Engineering Officer
- Shri Shyam Agarwal, Engineering Officer
- Shri Shivendra Kr. Sinha, Engineering Officer

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REGISTRATION FORM

NATIONAL WEBINAR ON

POWER SYSTEM SCADA AND AUTOMATION

03 November, 2023 **www.cpri.res.in**

Full Name of the Participant: _____

Designation: _____ **Nationality** _____

Organization: _____

Full address of Organization: _____

(For Correspondence) _____

_____ **PIN Code:** _____

Phone (Off.) : _____ **Fax:** _____

Mobile/Cell: _____ **E-mail:** _____

Area of work : _____

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Date: _____ **Signature:**

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Softcopy of completely filled registration forms shall be sent to any of the following programme contacts:

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Kindly use separate form for each participant, downloaded / photocopies of this registration form is acceptable. Alternatively, registration can be made on line also

KINDLY VISIT CPRI WEBSITE FOR UPDATES