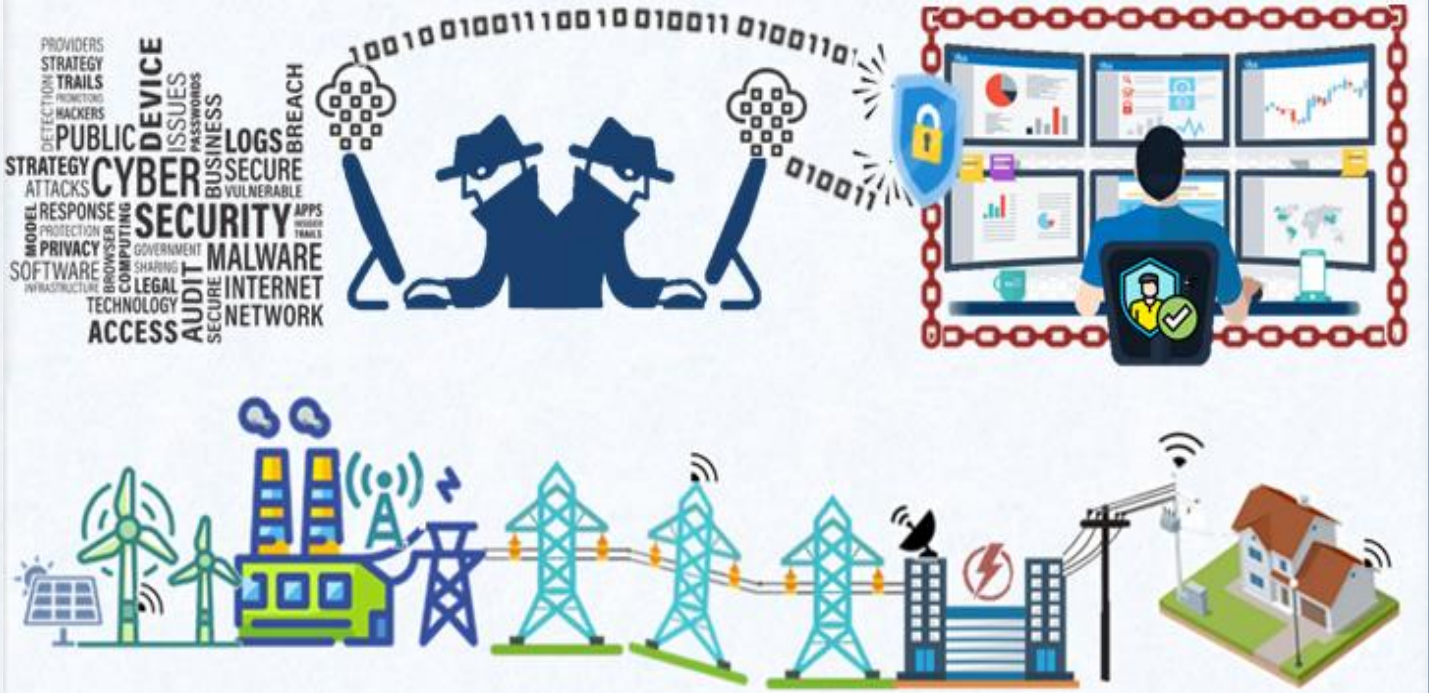# विद्युत क्षेत्र में साइबर सुरक्षा में नवीनतम रुझान पर राष्ट्रीय वेबिनार

National webinar on
LATEST TRENDS IN CYBER SECURITY IN POWER SECTOR

08 August 2024

स्मार्ट ग्रिड अनुसंधान प्रयोगशाला
Smart Grid Research Laboratory
केंद्रीय विद्युत अनुसंधान संस्थान
CENTRAL POWER RESEARCH INSTITUTE
(भारत सरकार की सोसाइटी, विद्युत मंत्रालय / **Govt. of India Society, Ministry of Power**)
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www.cpri.res.in

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 and Security Conformance for Intelligent Electronic Devices (IEDs) / Gateways/ RTUs as per IEC 61850. The IEC 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 Webinar

The modern electric infrastructure is rapidly evolving with increasing dependency on automation, information technology, and communication systems. The communication systems are also transitioning from traditional closed system with legacy protocols to open protocols based system with third party communication networks and interfaces to the global IP networks. All these advancements offers numerous benefits for the efficient and reliable electricity generation, transmission, distribution and utilization. However, these benefits come with risk of cyber security threats. The recent Covid-19 pandemic has impacted the methodology of managing load dispatch operation which is predominately handled from utility physical control center to limited functionalities in remote operation thus necessitating large scale automation. The impact of cyber security threats would be severe in the power sector if there is an event of cyber-attack on the power systems and there would be cascaded effect on other sectors like health care, transport, banking and finance, etc. To address these challenges, this National webinar will focus on cyber security threats, mitigation measures, resiliency of power systems, National and International standards / guidelines and regulations.

Topics Covered

The following topics will be discussed during the Webinar:
- Importance of Cyber security in power sector and Operational Technology (OT)
- National and International Cyber Security standards and Guidelines
- Cyber Security guidelines, regulations, standardisations and testing in India
- The way forward of Cyber Security in the Power Sector

Who should attend?

This webinar is designed for utility engineers, regulators, 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 **08th August 2024 from 02:00 PM onwards**, through online mode. Details of the registration link and the schedule will be shared to all registered participants.

Please visit https://cpri.res.in/upcoming-events for brochure, registration form and updates.

Registration

Participation in this webinar is free. However, prior registration is mandatory for participating in this programme. Interested participants are requested to send their individual registrations in advance in the format provided to the programme coordinators. Alternatively, participants can also register through online registration link " https://forms.gle/degYyFd3tNaMeMPy5 ". The programme schedule and the participation link will be shared to registered participants. CPRI reserves the rights of acceptance of the participation request.

Programme Coordinators:

- Dr. Amit Jain, Additional Director & HoD
- Shri Shivakumar V, Joint Director
- Shri Pradish M, Joint Director
- Shri Shailesh Kapoor, Engineering Officer
- Shri Shivendra Kumar Sinha, Engineering Officer
- Shri Dinesh J, Engineering Officer

Contacts:

Shri Shivakumar V	**Shri Pradish M**	**Shri Shailesh Kapoor**
Joint Director	Joint Director	Engineering Officer
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shiva@cpri.in	pradish@cpri.in	skapoor@cpri.in

REGISTRATION FORM

NATIONAL WEBINAR ON

LATEST TRENDS IN CYBER SECURITY IN POWER SECTOR

08 August, 2024   **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 : _____

_____

_____

_____

Date: _____   **Signature:**

Please Note: there is no Registration fee for participating in the webinar. However, prior registration is mandatory. Registration could be made by filling in this registration form or alternatively, by filling in an online registration in the link: https://forms.gle/degYyFd3tNaMeMPy5

The programme schedule and participation link will be shared to the registered participants. Hence, the participants are requested to individually send their registrations in advance in the format provided to the programme coordinators. CPRI reserves the rights of acceptance of the participation request

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

Shri Shivakumar V	Shri Pradish M	Shri Shailesh Kapoor
Joint Director	Joint Director	Engineering Officer
shiva@cpri.in	pradish@cpri.in	skapoor@cpri.in
Mob. 9945430826	Mob. 9448722416	Mob. 9252894700

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