National Conference
Cyber Security Challenges for
Power Grid & Smart Grid Networks

Date: 31st March – 1st April 2023
Venue: Indian Institute of Technology Tirupati

Organized by

Knowledge Partner

New Delhi
ISO 9001:2015

भारतीय प्रौद्योगिकी संस्थान तिरुपति

T I R U P A T I

Announcement

The Central Board of Irrigation and Power jointly with IIT Trichy as knowledge partner is organizing a National Conference on 'Cyber Security challenges for Power Grid & Smart Grid Networks' on 31st March – 1st April 2023 at IIT Tirupati – 517619, Andhra Pradesh

Introduction

Modern protection, monitoring and controls in electric power systems with advanced communication are vulnerable to cyber-attacks. However, IEC and other standards viz. IEEE / NERC are available which address Cyber security requirements. It is important to consider applying these standards to IEDs and other systems that are being integrated into substations and feeder equipment to provide secure communications. Care shall also be taken when deploying equipment / system to comply with security requirements. CBIP has decided to organize a National Conference jointly with IIT Tirupati on 'Cyber Security of Power System' on this important area in the ambit & scope of it's activities.

The aim of the Conference is to provide a forum for open discussions and exchange of information and to acquaint the concerned professionals/engineers about the latest innovations in this field.

About CBIP

The Central Board of Irrigation and Power (CBIP), a premier institution, was constituted in 1927 by the GoI. It is serving the Nation in the disciplines of Water Resources, Power, Renewable and Allied Sectors for more than 95 years.

The main objective of CBIP is dissemination of technical knowledge through various modes, such as:

- Organizing National and Intl. Conferences, Symposiums, Seminars, Workshops and Training Programs etc.
- Publication of technical documents e.g., manuals, technical reports, guidelines and journals etc.
- To provide information about technological developments to the engineers/professionals & other stake holders.

About IIT Tirupati

Indian Institute of Technology Tirupati is the first among the 3rd phase of IITs, announced in 2014, to have its foundation stone laid in March 2015. IIT Tirupati started functioning with the support of its mentoring institute, IIT Madras, from the academic year of 2015-16. The curriculum for various programmes have an emphasis on theoretical knowledge and practice-oriented laboratories. Courses are well planned to nurture innovation, creativity, quality, teamwork, communication skills, ethics, and societal interaction. The Government of Andhra Pradesh is nurturing Tirupati as knowledge hub of the State.

Various topics to be deliberated during this conference but not limited to, are as under :

- Fundamentals concepts of Cyber security
- Cyber security of information and communication technology (ICT) Introduction of ICS and OT
- Difference between ICS, OT and IT
- Critical & Non-Critical Infrastructures
- Threats to power grid and smart grid
- Anatomy of cyber-attack on power grid and smart grid
- Cyber kill chain for IT and OT and their differences

- Cyber Security Issues in Substation Automation -IEC 61850
- Cyber Security International Standards for Power Sector
- Global Cyber Security incidents in Power Sector
- CEA Guidelines for Cyber Security in Power Sector, 2021
- Cyber security for critical assets
- Case study

Experts who desire to present paper/case studies on above topics are welcome to submit their papers by 10th March 2023.

Dates and Venue

The National Conference on 'Cyber Security challenges for Power Grid & Smart Grid Networks', 31st March (Friday) – 1st April (Saturday) 2023 at IIT Tirupati, Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati – 517619. The Conference timings will be 10.00 AM to 5.30 PM. The registration will start at 9.00 AM on 31 March 2023.

Who Should Attend

Senior officers of Power Utilities, PSUs, State Govt./SEB's Nodal agencies, Energy Planners, Private Entrepreneurs, Manufacturers, Development Consultants, Research/ Academic Institutions, Construction Companies and Financial Institutions etc.

Registration Fee

Registration fee for the delegates is as follows:

(i) Rs. 12,000/- per participant.

(ii) Rs. 10,000/- per participant for members of CBIP.

(iii) Special Discounted fee for students is Rs. 4,000/- per student

GST 18% extra. (GST No. 07AAAJC0237F1ZU)

The Registration fee covers the registration kit, tea/coffee/lunch during the Conference. The Conference is non-residential. Participants will have to make their own arrangement for travel, boarding and lodging, etc. All payments be made through DD/ cheque at par in favour of 'Central Board of Irrigation & Power', payable at Delhi or amount deposited/ transferred to CBIP A/c no. 00031110004411, MICR Code. 110240001, HDFC Bank, Swift Code : HDFCINBBDEL, IFSC: HDFC 0000003, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi 110001

Please arrange to furnish the details like UTR, Organization name, etc. to CBIP Sectt. after making the online payment at the earliest possible.

Sponsorship Opportunity

Sponsors are assured of full visibility with printing of their names on proceedings and banners of the Conference and will have the privilege of distribution of their product's pamphlets/catalogues during the Conference. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Platinum Sponsor : Rs. 5,00,000/-	Gold Sponsor : Rs. 3,00,000/-	Silver sponsor : Rs. 2,00,000/-
• 10 delegate passes for participation in the Conference • Company logo on main backdrop and other banners • Company logo on Cover page of Proceedings Volume/ Base Paper • Advertisement (Prominent Position) in the Proceedings Volume • Circulation of Company Literature during the event • Announcement -Thanking sponsor • Speaking Opportunity • Invitation to the key person of the organization as special invitee during Inaugural session • Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.	• 05 delegate passes for participation in the Conference • Company logo on main backdrop and other banners • Company logo on Cover page of Proceedings Volume/ Base Paper • Advertisement in the Proceedings Volume • Circulation of Company Literature during the event • Announcement - Thanking sponsor • Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.	• 03 delegate passes for participation in the Conference • Company logo on main Backdrop • Company logo on Cover page of Proceedings Volume/ Base Paper • Announcement – Thanking sponsor

Conference Secretariat

Shri A.K. Dinkar, *Secretary, CBIP*   **Shri Sanjeev Singh,** *Director*, *CBIP*

Contact Person : Shri Vishan Dutt, *Chief Manager (Tech.),* **CBIP,** M: 9811431554

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Contact Person at IIT Tirupati : Shri V.V. Gopala Krishnan, Prof. -Dept. of EE, IIT Tirupati

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V.V. Gopala Krishnan

National Conference on
Cyber Security challenges for Power Grid & Smart Grid Networks

31st March – 1st April 2023, IIT Tirupati
Yerpedu – Venkatagiri Road, Yerpedu Post,
Tirupati – 517619, Andhra Pradesh

REGISTRATION FORM

(To be filled in block letters preferably)

Delegate _____
                    (Surname)   (First Name)

Designation _____

Name of Organisation _____

Mailing Address _____

_____

City _____

State _____ PIN _____

Phone _____ Mobile _____ Fax _____

E-mail _____

Dated_____   Signature_____

Conference Secretariat

Shri A.K. Dinkar
Secretary
Central Board of Irrigation and Power
Malcha Marg, Chanakyapuri, New Delhi 110 021, India
Tel : 91-11-26115984/26116567 Fax: 91-11-26116347

Registration Form, duly filled in, is to be mailed to the following address:
Contact Person : Shri Vishan Dutt, Chief Manager (Tech.), M: 9811431554
Email : vishandutt@cbip.org; vishan.dutt.cbip@gmail.com   Web-site: http://www.cbip.org

Please arrange to furnish the details like UTR, Organization name, etc. to CBIP Sectt. after making the online payment at the earliest possible.

Note:
• Photocopies of the registration form can be used for additional requirements, if any.
• Spot registration facilities will also be available, provided the prior information is received.

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