

International Tutorial (Online)

Wide Area Measurement Systems and their use in improving Power System resiliency

Under the aegis of CIGRE NSC C2 on System Operations and Control

ORGANIZER

IN ASSOCIATION WITH



TUTORIAL CONDUCTED ON



CHAIRMAN CIGRE NSC C2 & NATIONAL REPRESENTATIVE IN CIGRE STUDY COMMITTEE C2 ON SYSTEM OPERATIONS & CONTROL



K.V.S. BABA

CHAIRMAN AND MANAGING DIRECTOR
POSOCO LIMITED



MR. WALTER SATTINGER
GERMANY

Dr. Sattinger has extensive experience in power system dynamic analysis. He has been working for 32 years in the field of power system modelling and power system control. In several studies he has worked in all required project stages from the on-site data collection to the organisation and execution of system tests, dynamic model identification, system modelling, performing of studies, reports and finally the presentation of the study results.

Currently he is working as a project engineer at the interface between planning and operation and he is responsible for the implementation of concepts to enhance system security.

TAKEAWAYS

- Wide Area Monitoring, Protection and Control Systems- Support for control room applications
- Experience in commissioning and utilization of wide area measurement system for Power System Operation

KEY SPEAKERS



MR. RAJKUMAR A.
CHIEF MANAGER, POSOCO

Rajkumar Anumasula working as a Chief Manager of SCADA/EMS at Southern Regional Load Despatch Centre, POSOCO, actively contributed in Factory Acceptance Test, Site Acceptance tests of Wide Area Monitoring System (WAMS) project namely URTDSM having more than 1400 PMUs and having hands on experience of integration, troubleshooting of more than 550 PMUs at Control Centre in Western Region and extending situational awareness to System Operator Desks and application development in WAMS area. He is working is POSOCO for more than 10 years in SCADA/EMS & WAMS Domain.



MR. RAHUL SHUKLA
MANAGER, POSOCO

More than 10 years of experience in Power System Operations, Wide Area Measurement System and Control, Power System Protection, Post Despatch analysis including PMU based analytics, Operational Planning, Power Market Operations, Integration of Renewables, Primary Frequency Response, Reserve Regulation Ancillary Services. Currently working on project to carry out the Primary Frequency Response Testing of generators of Indian power System as per IEGC Regulations.

ABOUT CIGRE AND CIGRE-India

The International Council on Large Electric Systems (CIGRE), with its Headquarters at Paris deals in the field of Transmission and Generation. It functions through 16 Study Committees formed for various disciplines of Power Systems. Each Study Committee comprises about 30 experts drawn from various countries. In addition, some more experts are members of the Working Groups/Task Forces formed by these Study Committees. It is a matter of pride that India is represented in all the 16 CIGRE Study Committees as regular member.

CIGRE (Paris) has about 14000 members from 100 countries. Wherever there are more than 40 equivalent members in any country a National Committee is formed with the following aims:

- To disseminate the technical information to the members of the national committee.
 - To propose papers for presentation at CIGRE sessions
 - To encourage membership of CIGRE
 - To organize representation in CIGRE session / symposia
- CIGRE (India) is an affiliate of Central Board of Irrigation and Power. It is the Indian National Committee of CIGRE and is a registered society. It co-ordinates the activities of CIGRE in India, through a number of National Study Committees and disseminates the information about the activities of the CIGRE Study Committees and Working Groups to various organization in India. From India there were 820 equivalent members for CIGRE in the year 2019.

UNIQUE FEATURES OF ONLINE PRACTICAL TRAININGS

- Training with high safety of participant's w.r.t. COVID-19 as no travel & travel related cost is involved.
- Expert's Panel discussions within participants.
- Learning and working balance as our sessions are planned for 2 hours in a day.
- Well proven online platform with high cyber security.
- Live message chat, live voice chat, polls and quiz.
- Real time engagement.
- E-Certificates to the participants.

FACILITATION CHARGES

The duration for online training will be of 1 hr. 30 min. will be for tech. session followed by 30 min. for question/answer session.

Category	Charges in INR	
	Members (CIGRE/CBIP)	Non-Members
Individual Login	1,000/-	1,200/-
Institution Logins		
Up to 10 Login	9,000/-	11,000/-
Up to 15 Login	13,000/-	15,000/-
Up to 25 Login	20,000/-	22,000/-
Students	500/- per Login	
First 25 students will be given one year membership of CIGRE to have access 10,000 Technical Reports available on e-CIGRE library.		
Note: 18% GST extra for all categories.		

The program is limited to 200 participants, which will be on First cum First serve basis.

TO REGISTER

The perspective participants, desirous of attending the above training may register themselves by sending the following details to CIGRE-India along with necessary facilitation charges:

Title of Training _____; Name: _____;
Designation: _____; Organization: _____;
Mailing address: _____; Phone / Fax/E-mail: _____

Note: After registration, the participants will be provided the link 1 day prior to the session. Registered participants may please contact for link to join the program at:

Mr. Uttam Rawat, Software Engineer, Mob: 9818981610

Mrs. Rohini, Office Coordinator, Mob: 8860874012

Vender Name: (GST No. 07AAAAZ0260A1Z1)

THE COMMITTEE FOR THE INTL CONF ON LHVES

Bank Name: Canara Bank, 7/48, Malcha Marg, Chanakyapuri, New Delhi-110021; Account: Saving; Bank Account No.: 0157101031491; IFSC: CNRB0000157; MICR: 110015007; PAN: AAAAZ0260A; Swift: CNRBINBDFD

ADDRESS FOR CORRESPONDENCE

Sh. A.K. Dinkar, Secretary, CIGRE-India & CBIP
Sh. A.K. Bhatnagar, Director, CIGRE-India & CBIP

Nodal Officer:

Mr. Vishan Dutt, Chief Manager-Tech., CIGRE-India

Mob: 9811431554, E-mail: vishandutt@cbip.org

Mr. S.K. Batra, Consultant, CBIP

Mob: 9811943812, E-mail: batra@cbip.org

Central Board of Irrigation & Power

Malcha Marg, Chanakyapuri, New Delhi - 110021

Phone: 011 26115984/26116567, Fax: 011 2611 6347;

E-mail: cbip@cbip.org

JOIN CIGRE TO CONNECT WITH GLOBAL POWER SYSTEM COMMUNITY

Please Contact:-

Mr. Vishan Dutt

Chief Manager-Tech., CIGRE-India

Mob: 9811431554

E-mail: vishandutt@cbip.org