



# International Tutorial (Online) Assessment of Conducted Disturbances above 2 kHz in MV and LV Power Systems

Under the aegis of CIGRE NSC C4 on Power System Technical Performance

4<sup>th</sup> February 2021 at 15:00 hrs. (90 Minutes)



**Mr. Zia Emin**  
Chairman CIGRE SC C4



**Mr. B.B. Chauhan**  
Chairman CIGRE NSC C4 & Ex. CMD, GETCO

## INTERNATIONAL SPEAKER FROM CIGRE



**Prof. Dave Thomas** is a Professor of Electromagnetics Applications in The George Green Institute for Electromagnetics Research, The University of Nottingham UK. His research interests are in electromagnetic compatibility, electromagnetic simulation, power system transients and power system protection. He is a member of CIGRE and convenor for Joint Working Group C4.31 "EMC between communication circuits and power systems", Chair of COST Action IC 1407 "Advanced Characterization and Classification of Radiated Emissions in Densely Integrated Technologies (ACCREDIT)" a member of several conference committees the EMC Europe International Steering Committee. Vice chair IEEE Standards committee P2718 Guide for Near Field Characterization of Unintentional Stochastic Radiators.

## TAKEAWAYS

The author will cover brief content of brochure CIGRE WG C4.31 and the description of:

- An assessment of conducted disturbances above 2 kHz in MV and LV power systems.
- Awareness of the issues involved and technical description of the phenomena.
- Existing recommendations and guides and gaps for future work.
- Information on electric power definitions.
- Measurement techniques, modeling and aggregation.
- The method for measuring and calculating conductor impedances.
- Example study of the aggregation and propagation of the conducted emissions above 2 kHz.

## 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.		
<b>Note: 18% GST extra for all categories.</b>		

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

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## ADDRESS FOR CORRESPONDENCE

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## JOIN CIGRE TO CONNECT WITH GLOBAL POWER SYSTEM COMMUNITY

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