Ultra-Wide Band Partial Discharge Detection in In-Service High Voltage Equipment

……

Overview

The course "Ultra-Wide Band Partial Discharge Detection in In-Service High Voltage Equipment" provides the tools to understand and develop partial discharge diagnostics for condition monitoring of high voltage power equipment in service. The diagnostics is aimed at identification of equipment that represents a risk and potential failure while in service. The course will cover partial discharge detection and measurement in high voltage equipment in normal operation, development of criteria for action to be taken (remove or maintain in service) on detection of partial discharge activity, issues in development of integrated partial discharge detection systems and awareness of safety measures for high voltage equipment and their detection systems. Course participants will learn these topics through lectures and demonstration experiments. Also case studies will be shared to stimulate research motivation of participants.

When	**Course Duration: Nov.20-Dec1, 2017.** **Number of participants for the course will be limited to twenty five.**
Who should attend	• Executives, engineers and researchers from manufacturing, utilities, R&D laboratories in the power sector. • Student at all levels (BTech/MSc/MTech/PhD) or Faculty from reputed academic institutions and technical institutions.
Course Fees	The participation fees for taking the course is as follows: **Participants from abroad : US $500** **Industry/ Research Organizations: 10000** **Academic Institutions: 2000 (Students), 5000 (Faculty)** The above fee includes all course materials and lab amenities. Limited accommodation is available on campus on payment basis.

The Faculty

Dr. Rodolfo Garcia-Colon is the Dean of the Postgraduate Center at the Mexican Electrical and Clean Energy Institute (INEEL) INEEL. He is currently a member of the Cigré Working Group B1.28 On-Site Partial Discharge Assessment of HV and EHV cable systems. He is also a Member At Large on the IEEE DEIS Ad-Com serving 2009-2016.

Dr. Nandini Gupta is a Professor of Electrical engineering at the Indian Institute of Technology, Kanpur. Her research interests are High Voltage Engineering, Gas discharges, nano-dielectrics and other solid insulations.

Course Co-ordinator

Prof. Nandini Gupta
Phone: 0512-2597511
E-mail: ngupta@iitk.ac.in

.....

http://www.gian.iitkgp.ac.in/GREGN