CARILEC
An Association Of Electric Utilities

Caribbean Electric Utility Services Corporation

IACET

PRESENTS

Transformer & Distribution Training

TARGET GROUP:

Senior Distribution Technicians/Engineers

OBJECTIVES

- To introduce and update the engineers on the calculation practices and distribution equipment developments, including the application and selection criteria of equipment used in distribution feeders.
- The attendees will come out with a comprehensive understanding of the equipment used in distribution feeders.
- To introduce and update the engineers in the application of the ANSI standards for transformers.
- Description of the accessories that are used with the different type of transformers, selection and application of the distribution transformer and the description of the routine tests that are made to the transformer according to the ANSI standards

3 Continuing Education Units (CEU's) will be awarded for attendance at this course

FOR REGISTRATION CONTACT: **CARILEC Tel: 758-452-0140**
Fax: 452-0142 Email: training@carilec.org

CONTENT

- Transformer Basic Theory
- Transformer Standards
- Pole Mounted Transformers
- Transformers for Underground
- Underground Distribution
- Accessories for Underground Distribution
- Dry Transformer
- Small Power Transformers
- Economical Evaluation Transformers
- Small Power Transformer Maintenance
- Why Transformers Fail
- Distribution systems Introduction
- Distribution Planning
- Reliability
- Regulation and Losses
- Short circuit in Distribution
- Insulation Coordination
- Instrument Transformers
- Protections in Distribution Systems
- Fuses
- Recloser application and Protection Coordination
- Capacitor Application and Regulator Application
- Smart Grids

COURSE FEES	ACCOMMODATION	VENUE	COURSE HOURS
USD$500.00	**Hilton Rose Hall Resort & Spa Montego Bay. All Inclusive Rates - Single:US$279, Double:US$323**	**Same as Accommodation**	**8:30am - 4:30pm**

PRESENTER

Guillermo Rodriguez obtained his degree of Electrical Engineer at the National University of Colombia in Bogotá in February 1972, his M.Sc. degree in Power Systems and Electric Machines in January 1977 from the University of London (Queen Mary College). He worked at Telecom Colombia from 1972 to 1973; At the Colombian Institute of Electrical Energy from 1973 to 1980. He taught the courses of Transmission Lines and Distribution Networks and Topics of Distribution Systems at the National University of Colombia from 1974 to 1987 as a part-time professor. From 1980 he worked as an Engineer in Westinghouse of Colombia and in 1988 was transferred to Miami as an expert in Distribution Systems. In December 1989 Westinghouse was acquired by ABB. From 1990 until 2007 he worked with ABB USA in different positions, being the last one as Director of Exports of ABB Transmission and Distribution Division of ABB USA. In 2008 he was appointed President of ABB Central America and the Caribbean. He retired in January 2014. He was a member of Carilec's Board of Directors from 2009 to 2013. Engineer Rodríguez has taught many courses at the IEEE on Transmission and Distribution topics in Mexico, El Salvador, Bolivia, Belize, Costa Rica, Panama, Honduras and Guatemala. Mr. Rodriguez has taught courses in Transformers and Distribution Systems at Carilec. He is a member of the IEEE Distinguished Lecturers Program. He is Senior Life Member of the IEEE.