



2012 INTERNATIONAL CONFERENCE OF DOBLE CLIENTS TRAINING TRACK

Revised January 30, 2012

The Training Track classes will be held at the Westin Copley Hotel in the America North Ballroom.

TRAINING: POWER FACTOR AND APPARATUS TESTING

The classes on power factor testing continue to be popular. To begin, the fundamentals of why the power factor tests are so valuable will be covered in the theory portion of this series of classes. The application of these tests will be explained for bushings and transformers. Case studies are included to show how apparatus problems have been found by applying the fundamentals of the theory.

Monday, March 26th

Power Factor Theory

9:30 AM – 10:45 AM

Robert Brusetti; Doble Engineering Company

Power Factor: Bushings

10:45 AM – 12:00 PM

Jay Garnett; Doble Engineering Company

Tuesday, March 27th

Transformer Overall Test Power Factor

7:30 AM – 9:00 AM

Bill Fernihough; Doble Engineering Company

This course will cover the following subjects: Testing of Two Winding, Three Winding, and Auto Transformers; Shunt Reactor Testing; Testing of Two Winding Dry Type Transformers using the Dry Type Template; Effect of Capacitance Tap Cover Removal Prematurely on Transformer Results; Interpretation of Test Results ~ Some Logical Guidelines to go by; Removing the Effects of Bushings from the Winding Test Results; Effects of Interwinding Electrostatic Shields on Test Results; Effect of Normal Ground Core on Test Results; What is the Cause of Disagreement in CHL Results; Setting up the DTAF Software for Transformer Testing; and Safety Issues – Capacitance Coupling of Windings and Unexpected Voltages

Transformer Exciting Current

9:00 AM – 10:30 AM

Matt Garber; Doble Engineering Company

Transformers Leakage Reactance

10:30 AM – 12:00 PM

Jim MacDonald; Doble Engineering Company

TRAINING: Circuit Breaker Controls

1:30 PM – 3:30 PM

Rick Youngblood; Doble Engineering Company

The subject of Circuit Breaker controls had a high interest in our recent questionnaires so it has been added to our training program.



Wednesday, March 28th

TRAINING: Introduction and Use of the Field and Web Applications for the Doble Protection Suite

7:30 AM – 12:00 PM, 1:30 PM – 6:00 PM

Doble Engineering Company

Thursday, March 29th

TRAINING: TRANSFORMER DESIGN AND MANUFACTURING

1:30 PM – 4:00 PM

Doble Engineering Company

Transformer Design

Learn about the need for transformer design reviews. This tutorial is an experience based introduction on how to conduct a design review to help facilitate the transformer procurement process. A general methodology on conducting a design review will be established and explained.

Transformer Manufacturing

Learn about the need for factory visits. Different stages of manufacture will be discussed, including core & coil, post vapor phase and pre-tanking inspections. This presentation will teach you the general details of each of these critical manufacturing milestones, and more importantly, what you should be looking for when you conduct an inspection, including how to assess a manufacturer's Quality Assurance program.

TRAINING: DTAWeb

4:0 PM –6:00 PM

Carl Pankratz, Doble Engineering Company