

Day One

- 8:00 AM Welcome, Agenda Overview
- 8:15 AM Power Transformer Basics
- 9:15 AM Introduction to IEEE C57
- 9:30 AM Moisture Effects on Transformer Life
- 9:45 AM Coffee Break
- 10:00 AM Moisture Measurements in Transformers
- 10:30 AM On Load Tap Changer Basics
- 11:15 AM Bushings
- 12:00 PM Lunch Break

Afternoon Session

- 1:00 PM DGA / Oil Quality
- 2:00 PM Coffee Break
- 2:15 PM DGA / Oil Quality
- 3:15 PM Reception

Day Two

- 8:00 AM Basic and Advanced Electrical Diagnostic Tests
- 10:00 AM Coffee Break
- 10:15 AM Condition Assessment / Asset Management Strategy
- 12:15 PM Lunch Break

Afternoon Session

- 1:15 PM Partial Discharge Analysis
- 1:45 PM Coffee Break
- 2:00 PM Sweep Frequency Response Analysis
- 2:45 PM General Discussion and Hands-On Demonstrations
- 3:15 PM End of Day Two

General Information

Date and Time

Wednesday, June 22, 2011
Thursday, June 23, 2011
8:00 AM - 3:15 PM

Charles Sweetser
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For further information on OMICRON electronics Corp. USA,
please refer to our website: www.omicronusa.com

Special thanks to our sponsor:

THE UNIVERSITY of TENNESSEE **UT**
CHATTANOOGA



Transformer Workshop Diagnostic Measurements on Power Transformers

June 22-23, 2011

Hosted by:
University of Tennessee at Chattanooga

Benwood Auditorium
EMCS Building 2nd. Floor
735 Vine Street
Chattanooga, TN 37421-2504



Register Now
Space is limited!

Workshop Program

OMICRON's Transformer Workshop is designed to provide you the essential information needed to determine the condition of your transformer assets. Participants will be introduced to the most modern and effective test techniques and practices that can be applied to power transformers today. Participants will learn transformer theory, diagnostic test methods, and data analysis strategies. All subjects presented are adequate for all levels of expertise, and all examples are derived directly from field experiences. This is a two-day event with four instructors bringing different areas of technical expertise.

Course Objective

After attending this two day course the participant should understand transformer failure modes and basic as well as advanced diagnostic test methods to assess the condition of transformers and ancillary equipment. The instructors will share their expertise in the area of diagnostic testing and analysis through presentation of actual field measurement and case studies.

Speaker Biographies

Charles Sweetser



Charles Sweetser received a BSEE degree in 1992 and a MSEE degree in 1996 from the University of Maine. He joined OMICRON in 2009, where he presently holds the position of Technical Service Manager for the Americas Region. Charles worked for 13 years in the electrical apparatus diagnostic and consulting business. He has published several technical papers for IEEE and other industry forums. As a member of IEEE Power & Energy Society (PES) for 14 years, he presently holds the position of Chair of the FRA Working Group PC57.149 and is also a member of several other working groups and subcommittees.

Mary Foster



Mary Foster is currently Primary Manager Bushings/Instrument Transformers (North America). She is regarded as one of the leading authorities on bushings, and has published numerous technical papers. Mary also specializes in the diagnostic technique to identify moisture content in oil-paper insulation on the basis of dielectric response. Previously, Mary was employed at Doble Engineering Co., as a Principal Engineer. Mary's work experience also includes 10 years in the power systems group at General Dynamics/Electric Boat Corporation. She is active on key IEEE Transformer Committees related to her area of expertise and received a BSEE degree from Clarkson University in 1988.

Dr. Fredi Jakob



Dr. Fredi Jakob is considered one of the world's foremost experts in Dissolved Gas Analysis. He is a long-term member of ASTM and IEEE and author of over 50 published articles. Dr. Jakob was the founder and Laboratory Director of Analytical ChemTech International, Inc. (ACTI). He served as Professor of Analytical Chemistry at California State University, Sacramento for 36 years. Dr. Jakob received his B.S. degree in Chemistry from CCNY and a Ph.D. degree in Analytical Chemistry from Rutgers, the State University of New Jersey.

John Stead



John Stead is presently a consultant with KEMA Canada primarily involved in Asset Management related projects. He has worked in the maintenance and operation areas of the utility industry for over 40 years. During the last several years he has been a Senior Consultant with Stead Consulting, working with Canadian and American utilities in the development of maintenance programs and procedures. John Stead is the author of over 20 technical papers and is the past Chairman of the Doble Advisory Committee and Bushing Insulator and Instrument Transformer Committee.

Registration

Please complete the form below, and e-mail to gail.hernandez@omicronusa.com.

Space is limited. No fee to attend; Lunch is included.

- I will attend the workshop "Diagnostic Measurements on Power Transformers" on June 22 and 23, 2011 in Chattanooga, TN.

Personal Information

First name:
Last name:
Company:
Department:
Position:
Address:
City: State:
Zip code: Country:
Phone:
Fax:
E-mail:
Main question you would like answered at the workshop:
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You may also register by mail or by phone:

By mail:
OMICRON electronics Corp. USA
230 Third Avenue
Waltham, MA 02451

By phone:
Call Gail Hernandez at 781-672-6224.