

# WEIDMANN

## Substation Maintenance and Diagnostics Training Course

June 19-21, 2018

PERA Club, Tempe, AZ

Hosted by:  Delivering water and power™

This 3-Day Substation Maintenance and Diagnostics Training Course is led by a group of industry experts presenting on the installation, maintenance, testing, and diagnostics of key equipment. The course topics range from advanced transformer electrical testing and assessment, on-load tap changer design and application, bushings, circuit breakers, oil filtering and processing, proper fluid sampling and quality testing and dissolved gas analysis (DGA). The specific topics are updated and tailored to the local needs of the region.

Also included will be several hands-on equipment maintenance and diagnostic testing demonstrations at the hosting utility's training center. Participants break into groups and rotate between multiple stations. The Substation Maintenance and Diagnostics Course is designed for those involved with the design, installation, operation, and maintenance of electric substations. **IEEE continuing education units and NETA CTDs will be offered for all course attendees at no additional charge.**

### PRELIMINARY AGENDA –

Tuesday, June 19, 2018 - Course 8:00am – 5:00pm

Wednesday, June 20, 2018 - Course 8:00am – 5:00pm

Thursday, June 21, 2018 - Course 8:00am – 11:00am, depart for Kyrene Apparatus Yard, hands-on demonstrations conducted and return to PERA Club by 3:00pm

**Breakfast and Lunch provided each day!**

**\*\*\* SRP Demos/Tour requires long pants, safety glasses, hard hats and no open toed shoes \*\*\***

### PRESENTATIONS INCLUDE –

- Transformers 101 - *Mike Lau, WEIDMANN Electrical Technology Inc.*
- Extending your Transformer Life: Replacing a Worn out OLTC in the Field - *Jesus Sanchez, Reinhausen Manufacturing*
- Field Testing of Transformers for Winding Condition Assessment- *Robert Foster, Megger*
- 2018 Electrical Safe Work Practices - *Joe Gierlach, ABM*
- Vacuum Dryout and Field Oil Processing – *Matti Foster, Baron USA*
- Sampling and Insulating Fluid Assessment - *Nick Perjanik, WEIDMANN Electrical Technology Inc.*
- Moisture in Insulation and Transformer Dryout - *Mike Lau, WEIDMANN Electrical Technology Inc.*
- Battery Discharge Testing Implementing NERC Standard and Field Experiences - *Robert Foster, Megger*
- Dissolved Gas Analysis (DGA) - *Nick Perjanik, WEIDMANN Electrical Technology Inc.*
- Testing High Voltage Circuit Breakers in a Safer Environment using Dual Ground Technology - *Robert Foster, Megger*
- Electrical Equipment Fluid and Gas Leaks - *Jim Hackett, The COLT Group*
- SF6 - The Alternatives and Contaminant Risks - *Chrs Barrett, DILO*
- Safety Practices When Working Around Transformers - *Mike Lau, WEIDMANN Electrical Technology Inc.*

### HANDS-ON DEMONSTRATION AT SALT RIVER PROJECT

Included with this course will be hands-on demonstrations conducted at the SRP Kyrene Apparatus Yard in Tempe. SRP provides reliable, affordable water and power to more than 2 million people living in central Arizona. SRP has provided these essential resources for more than a century to meet the needs of customers and to help the Phoenix metropolitan area, known as the Valley, develop into one of the nation's most vibrant regions.

**CONTINUING EDUCATION CREDITS:** 1.6 IEEE CEUs and 16 NETA CTDs will be available to attendees at no additional cost.

**PROCEEDINGS:** A digital copy of all the proceedings will be provided to each registered attendee at the start of the course.

**REGISTRATION: Individuals: \$1295**

Registration fee includes Presentation Materials, Breakfast and Lunch each day

**BONUS: Register 3, send the 4th FREE!** Any organization wishing to send multiple attendees will receive 1 FREE registration with every 3 **paid** registrations.

**REGISTRATION INFORMATION:** You can email Naomi Girouard your completed registration form at [naomi.girouard@wicor.com](mailto:naomi.girouard@wicor.com) or you can fax it to 802.751.3555. If you have questions please call Naomi directly at 802.751.3567

**COURSE LOCATION:**

SRP PERA Club  
1 E. Continental Drive,  
Tempe, AZ  
General Sessions take place in Big Horn room

**AREA HOTELS:**

Hospitality Suite Resort - [Hospitality Suites](#)  
Ramada Inn - [Ramada Inn Near ASU](#)  
Motel 6 - [Motel 6 Scottsdale](#)  
Red Lion Inn - [Red Lion Tempe](#)  
Hampton Inn & Suites - [Hampton Inn and Suites Tempe](#)  
Baymont Inn - [Baymont Inn Tempe](#)  
Best Western - [Best Western Tempe](#)  
Aloft Hotel - [Aloft Tempe](#)

**QUESTIONS AND MORE INFORMATION**

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[www.weidmann-diagnostics.com](http://www.weidmann-diagnostics.com)

**UPDATED INFORMATION IS AVAILABLE AT: [Weidmann Electrical Training Events](#)**

## REGISTRATION FORM

### Weidmann Substation Maintenance and Diagnostics Training Course

June 19-21, 2018

The SRP PERA Club, Tempe, AZ

**COURSE LOCATION:**

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1 E. Continental Drive,  
Tempe, AZ  
General Sessions take place in Big Horn room

**HANDS-ON DEMONSTRATION AT SALT RIVER PROJECT**

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***WEIDMANN will provide transportation***

**REGISTRATION: \$1295.00**

Registration fee includes Presentation Materials, Breakfasts and Lunches

**BONUS: Register 3, send 4th FREE!!** Any organization wishing to send multiple attendees will receive 1 FREE registration with every 3 **paid** registrations.

**CONTINUING EDUCATION CREDITS:**

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**PROCEEDINGS:**

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**TO REGISTER (several ways to register):**

- Call 802-751-3567
- FAX the form to 802-751-3555
- Scan and e-mail to [naomi.girouard@wicor.com](mailto:naomi.girouard@wicor.com)
- Mail the form to  
WEIDMANN, Attn: Naomi Girouard  
One Gordon Mills Way, St. Johnsbury, VT 05819.

**QUESTIONS or MORE INFORMATION:**

For agenda or event questions, contact Naomi Girouard at 802.751.3567 or [naomi.girouard@wicor.com](mailto:naomi.girouard@wicor.com)

## PLEASE REGISTER THE FOLLOWING

- For every 3 registered attendees from your company, the 4th registration is FREE.
- \$1295.00** Transformer Course Registration

How did you hear about this event: (Direct email, Colleague, Speaker(s), etc.) \_\_\_\_\_

Name \_\_\_\_\_ Job Title \_\_\_\_\_

Company \_\_\_\_\_

Company Address \_\_\_\_\_ City \_\_\_\_\_

State/Prov. \_\_\_\_\_ Zip/PC \_\_\_\_\_ Country \_\_\_\_\_

Telephone \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

## PAYMENT METHOD

\_\_\_\_\_ Pay with Credit Card      \_\_\_\_\_ Check enclosed      \_\_\_\_\_ Invoice Me

To charge a credit card (Visa MC, or AMEX), please contact Naomi at 802-751-3567. To pay by check, enclose a check and mail with this form to: WEIDMANN, Attn: Naomi Girouard, One Gordon Mills Way, St. Johnsbury, VT 05819.

**Register Today! For Questions Call +802-751-3567 or email: [naomi.girouard@wicor.com](mailto:naomi.girouard@wicor.com)**