



CONFERENCE PROGRAM

18TH ANNUAL

Electrical Safety, Reliability and Sustainability

CONFERENCE & EXHIBITION

April 24–27, 2015

Hyatt Regency Cleveland at The Arcade
Cleveland, Ohio

- Learn about the latest electrical market trends and opportunities at the ONLY electrical conference that focuses on safety, reliability and sustainability
- Meet the industry's experts in reconditioning electrical equipment
- Find out about the latest updates in electrical codes and standards
- Expert technician training offered for Low Voltage Electrically Operated Breakers & Components
- Tour the facilities of industry leaders in reconditioned circuit breakers, switchgear and related parts, and the facility of a leading manufacturer of retrofit trip units

ClevelandSM

"This conference provides a tremendous opportunity to network, learn and increase business."

- 2014 attendee

SPONSORED BY:



877-287-3275 • www.electricalsafetyandreliability.com

2015 CONFERENCE AGENDA *(subject to change)*

FRIDAY, April 24, 2015

3:00 pm – 4:00 pm	WORKSHOP (located at Utility Relay Company) <i>Reading Time Current Curves</i> Shuttle service departs Hyatt Regency Cleveland at The Arcade at 2:00 pm Shuttle service departs Utility Relay Company at 4:00, 6:00, 7:00, 8:00 and 8:30 pm
4:00 pm – 5:00 pm	SITE TOUR – Utility Relay Company Shuttle service departs Hyatt Regency Cleveland at The Arcade at 3:15, 5:15, 6:15 and 7:15 pm Shuttle service departs Utility Relay Company at 6:00, 7:00, 8:00 and 8:30 pm Last shuttle departs Utility Relay Company at 8:30 pm
5:00 pm – 6:00 pm	DINNER (located at Utility Relay Company) <i>Hosted by Utility Relay Company</i> Shuttle service departs Hyatt Regency Cleveland at The Arcade at 3:15, 5:15, 6:15 and 7:15 pm Shuttle service departs Utility Relay Company at 6:00, 7:00, 8:00 and 8:30 pm Last shuttle departs Utility Relay Company at 8:30 pm
6:00 pm – 8:30 pm	ENTERTAINMENT (located at Utility Relay Company) <i>Hosted by Utility Relay Company</i> Shuttle service departs Hyatt Regency Cleveland at The Arcade at 3:15, 5:15, 6:15 and 7:15 pm Shuttle service departs Utility Relay Company at 7:00, 8:00 and 8:30 pm Last shuttle departs Utility Relay Company at 8:30 pm

SATURDAY, April 25, 2015

9:00 am – 10:00 am	SITE TOUR – National Power Equipment, Inc. Shuttle service departs Hyatt Regency Cleveland at The Arcade at 8:30 am Shuttle service departs National Power Equipment, Inc. at 11:00 am
10:00 am – 11:00 am	BRUNCH (located at National Power Equipment, Inc.) <i>Hosted by National Power Equipment, Inc.</i> Shuttle service departs Hyatt Regency Cleveland at The Arcade at 8:30 am Shuttle service departs National Power Equipment, Inc. at 11:00 am
12:00 pm – 3:30 pm	FREE TIME TO EXPLORE CLEVELAND Suggestions: Cleveland Aquarium, East 4th Street Entertainment District, Great Lakes Science Center, Horseshoe Casino, Rock and Roll Hall of Fame
4:00 pm – 5:00 pm	SITE TOUR – North American Switchgear, Inc. Shuttle service departs Hyatt Regency Cleveland at The Arcade at 3:30 pm Shuttle service departs North American Switchgear, Inc. at 5:00, 6:00, 7:00 and 8:00 pm
5:00 pm – 6:00 pm	MEET & GREET (located at North American Switchgear, Inc.) <i>Sponsored by North American Switchgear, Inc.</i> Shuttle service departs Hyatt Regency Cleveland at The Arcade at 4:30 pm Shuttle service departs North American Switchgear, Inc. at 6:00, 7:00 and 8:00 pm
6:00 pm – 8:00 pm	ENTERTAINMENT (located at North American Switchgear, Inc.) <i>Hosted by North American Switchgear, Inc.</i> Shuttle service departs Hyatt Regency Cleveland at The Arcade at 4:30, 5:30, 6:30 and 7:30 pm Shuttle service departs North American Switchgear, Inc. at 7:00 and 8:00 pm Last shuttle departs North American Switchgear, Inc. at 8:00 pm

SUNDAY, April 26, 2015

7:00 am – 8:00 am	CHECK-IN & BREAKFAST FOR PEARL TRAINING ATTENDEES <i>Sponsored by Astro Controls, Inc.</i>	
8:00 am – 9:00 am	Dedicated time for PEARL Training Attendees to visit exhibits	
8:00 am – 9:00 am	BREAKFAST FOR GENERAL SESSION ATTENDEES <i>Sponsored by Astro Controls, Inc.</i>	
8:00 am – 6:00 pm	EXHIBITS OPEN Visit all exhibitors and be eligible for \$500 cash prize	
9:00 am - 9:15 am	WELCOMING REMARKS Stephen Reames, Oregon Breakers, Inc., PEARL President	Shuttle for PEARL Training Attendees departs Hyatt Regency Cleveland at The Arcade at 9:00 am
9:15 am - 10:15 am	KEYNOTE 2015 NFPA 70E Changes Jim White, Shermco Industries, Inc.	PEARL Training: Low Voltage Electrically Operated Breakers & Components 9:30 am - 3:30 pm (located at North American Switchgear, Inc.)
10:15 am – 10:45 am	BREAK <i>Sponsored by The Electrical Advertiser</i>	
10:45 am - 11:45 am	Techniques and Code Requirements For Reducing Incident Energy Thomas A. Domitrovich, Eaton	PEARL Training (continued)
12:00 pm – 1:00 pm	LUNCH <i>Sponsored by Southland Electrical Supply</i>	
1:00 pm – 2:00 pm	Ground Fault Protection on a Double Ended Substation Ryan McClarnon, Utility Relay Company	PEARL Training (continued)
2:00 pm – 2:45 pm	Electrical Equipment – Codes and Standards Use and Development Christel K. Hunter, General Cable	PEARL Training (continued)
2:45 pm – 3:15 pm	BREAK	
3:15 pm – 4:30 pm	Electrical Equipment – Codes and Standards Use and Development (continued) Christel K. Hunter, General Cable	Shuttle for PEARL Training Attendees departs North American Switchgear, Inc. at 3:30 pm
4:30 pm – 6:00 pm	OPENING RECEPTION Hors D'oeuvres & Beverages, Cash Prize Giveaway	

MONDAY, April 27, 2015

8:00 am – 9:00 am	CHECK-IN & BREAKFAST FOR PEARL TRAINING ATTENDEES <i>Sponsored by P&F Supply Co.</i>	
8:00 am – 9:00 am	BREAKFAST FOR GENERAL SESSION ATTENDEES <i>Sponsored by P&F Supply Co.</i>	
9:00 am – 10:00 am	Low Voltage Motor Control Center Retrofitting Derek Bray, Select Equipment	Shuttle for PEARL Training Attendees departs Hyatt Regency Cleveland at The Arcade at 9:00 am PEARL Training: Low Voltage Electrically Operated Breakers & Components 9:30 am - 3:30 pm (located at North American Switchgear, Inc.)
10:00 am – 10:30 am	BREAK	
10:30 am - 11:30 am	Sustainability Through Remanufacturing Nabil Z. Nasr, Rochester Institute of Technology, Golisano Institute for Sustainability	PEARL Training (continued)
12:00 pm – 1:00 pm	LUNCH	
1:15 pm – 2:15 pm	Development & Delivery of Effective Training Steve Newton, National Field Services	PEARL Training (continued)
2:15 pm – 2:45 pm	BREAK	
2:45 pm – 3:45 pm	PEARL Technician Certification Doug Powell, National Switchgear	Shuttle for PEARL Training Attendees departs North American Switchgear, Inc. at 3:30 pm
3:45 pm – 4:30 pm	PEARL MEMBERSHIP MEETING	
4:30 pm – 6:00 pm	CLOSING RECEPTION AND AWARDS PRESENTATION Hors D'oeuvres & Beverages, Raffle Drawing, PEARL Member of the Year Award, Introduction of Board of Directors	



KEYNOTE

Sunday, April 26
9:15-10:15am

2015 NFPA 70E Changes

Jim White, Director of Training, Shermco Industries, Inc.

Jim White CESP has been the Training Director of Shermco Industries, Inc., in Irving, Texas since 2001. He represents the InterNational Electrical Testing Association (NETA) as an alternate member of the NFPA Technical Committee “Standard for Electrical Safety in the Workplace” (NFPA 70E), is NETA’s principle representative on the NEC Code Making Panel CMP-13 and on the ASTM F18 Committee “Electrical Protective Equipment For Workers”. Jim is also the principal member for Shermco Industries on the National Fire Protection Association (NFPA) Technical Committee “Recommended Practice for Electrical Equipment Maintenance” (NFPA 70B). Jim is an IEEE Senior Member and in 2011 received the IEEE/PCIC “Electrical Safety Excellence” award.

The 2015 Edition of the NFPA 70E Standard for Electrical Safety in the Workplace is hot off the press and in effect. This presentation will cover significant changes since the last edition and how they impact your electrical safety program. Changes in PPE, approach boundaries, updated arc flash PPE tables and equipment will be discussed.

PEARL TRAINING

Sunday, April 26
9:30am-3:30pm (located at North American Switchgear)

Monday, April 27
9:30am-3:30pm (located at North American Switchgear)

Technicians that attend this two-day training session will learn about low voltage power circuit breakers (LVPCB). Matt Jordan and Kristen Habeeb will lead the classroom training on LVPCBs including manual and electric operation, electrical components and reading wiring diagrams. Hands-on lab will follow the classroom discussion. The lab will include the opportunity to work with electrically operated LVPCBs including cleaning, testing and troubleshooting.



Each attendee will receive a “Low Voltage Electrically Operated Breakers & Components” certificate upon successful completion of the two-day training.

WORKSHOP

Friday, April 24
3:00-4:00pm (located at Utility Relay Company)

Reading Time Current Curves

Make low voltage circuit breaker trip unit testing easier by fully understanding their TCCs. This workshop will de-mystify the complicated looking TCCs and make them easy to read.

Shuttle service departs Hyatt Regency Cleveland at The Arcade at 2:00pm and departs Utility Relay Company at 4:00, 6:00, 7:00, 8:00 and 8:30pm.

EXHIBITS

Sunday, April 26
8:00am-6:00pm

Take in the latest and greatest of products, services and information available. Visit all exhibitors throughout the day and be eligible for a \$500 cash prize.



SITE TOURS

Friday, April 24
4:00-5:00pm

Tour the home of AC-PRO, followed by hosted dinner (5:00-6:00pm) and entertainment (6:00-8:30pm)

Shuttle service will run a continuous loop between Hyatt Regency Cleveland at The Arcade and Utility Relay Company. Departures from Hyatt Regency Cleveland at The Arcade at 3:15, 5:15, 6:15 and 7:15pm. Departures from Utility Relay Company at 4:00, 6:00, 7:00, 8:00 and 8:30pm. Last shuttle departs Utility Relay Company at 8:30pm.

Saturday, April 25
10:00-11:00am

Hosted brunch (9:00-10:00am) followed by tour

Shuttle service departs Hyatt Regency Cleveland at The Arcade at 8:30am and departs National Power Equipment at 11:00am.



Saturday, April 25
4:00-5:00pm

Tour, followed by hosted Meet & Greet (5:00-6:00pm) and entertainment (6:00-8:00pm)

Shuttle service will run a continuous loop between Hyatt Regency Cleveland at The Arcade and North American Switchgear. Departures from Hyatt Regency Cleveland at The Arcade at 3:30, 4:30, 5:30, 6:30 and 7:30pm. Departures from North American Switchgear at 4:00, 5:00, 6:00, 7:00 and 8:00pm. Last shuttle departs North American Switchgear at 8:00pm.



MEET & GREET

Saturday, April 25
5:00-6:00pm (located at North American Switchgear)



Venture to North American Switchgear, a 15-year member of PEARL, for a unique opportunity to meet new PEARL members, reacquaint with current PEARL members and network with potential PEARL members. Light snacks and refreshments will be provided.

Shuttle service will run a continuous loop between Hyatt Regency Cleveland at The Arcade and North American Switchgear. Departures from Hyatt Regency Cleveland at The Arcade at 3:30, 4:30, 5:30, 6:30 and 7:30pm. Departures from North American Switchgear at 4:00, 5:00, 6:00, 7:00 and 8:00pm. Last shuttle departs North American Switchgear at 8:00pm.

Sponsored by North American Switchgear

OPENING RECEPTION

Sunday, April 26
4:30-6:00pm

Connect with your business peers, establish new contacts and enjoy cocktails and hors d’oeuvres in the elegance of the Hyatt Regency Cleveland at The Arcade.



CLOSING RECEPTION & AWARDS PRESENTATIONS

Monday, April 27 4:30-6:00pm

Plan to attend as special recognition is given to those who have excelled in their field. Welcome PEARL’s new Board of Directors and Executive Officers, as you enjoy hors d’oeuvres and cocktails.



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4255 South Buckley Road, #118
Aurora, CO 80013

April 24-27, 2015
Hyatt Regency Cleveland
at The Arcade

ClevelandSM

877-287-3275 • www.electricalsafetyandreliability.com

NEW MEMBER BONUS

Not a member of PEARL yet? Up to 100% of your conference registration fee will be credited towards your first year's PEARL membership if signed up within 30 days of end of conference.



HOTEL RESERVATIONS

Room rates for participants are \$149.00 single/double occupancy, plus applicable taxes. Call (888) 421-1442 or (216) 575-1234 by Friday, April 3, 2015 and mention "Electrical Safety" to receive your special room rate. After April 3, 2015 reservations and rate are subject to availability. Early reservations are recommended as rooms may sell out prior to April 3, 2015.

Hyatt Regency Cleveland at The Arcade

240 Superior Avenue
Cleveland, OH 44114
Phone: (216) 575-1234
Reservations: (888) 421-1442

Hyatt Regency Cleveland at The Arcade is located thirteen miles from Cleveland Hopkins International Airport (CLE). Ground transportation options from the airport to the hotel include taxi, rental car and rapid transit.

CONFERENCE REGISTRATION *Register Early and Save \$100*

NAME _____
PROFESSIONAL TITLE _____
COMPANY _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
COUNTRY _____
E-MAIL _____
PHONE _____ FAX _____

Cancellations on or before March 24, 2015 are fully refundable. Cancellations after March 24, 2015 are non-refundable, however substitutions are allowed.

TYPE OF FIRM: Check one

- | | |
|---|--|
| <input type="checkbox"/> Industrial Facility | <input type="checkbox"/> Electrical Contractor |
| <input type="checkbox"/> Processing | <input type="checkbox"/> Electrical Distributor |
| <input type="checkbox"/> Utility | <input type="checkbox"/> Electrical Surplus Dealer |
| <input type="checkbox"/> Municipality | <input type="checkbox"/> Other Equipment Dealer |
| <input type="checkbox"/> Electrical Field Service | <input type="checkbox"/> Military |
| <input type="checkbox"/> Electrical Engineering | <input type="checkbox"/> Government Facility |
| | <input type="checkbox"/> Other _____ |

CHECK ALL THAT APPLY:

- PEARL Member • \$750 (\$650 if registered and paid on or before March 24, 2015)
- PEARL Member • Additional registrations from same company \$450
- Non-Member • \$1,000 (\$900 if registered and paid on or before March 24, 2015)
- Non-Member • Additional registrations from same company \$600
- Training Only • \$475
- Spouse/Guest Day Pass • \$200
- Utility Relay Company Workshop (complimentary)
- Utility Relay Company Tour, Dinner & Entertainment (complimentary)
- National Power Equipment, Inc. Tour & Brunch (complimentary)
- North American Switchgear, Inc. Tour & Reception (complimentary)

EVENT CODE (if applicable) TOTAL AMOUNT DUE

FAX, MAIL or E-MAIL registration form to:

18th Electrical Safety, Reliability and Sustainability Conference & Exhibition
4255 S Buckley Rd #118, Aurora, CO 80013

Fax: (888) 996-3296 E-mail: pearl@pearl1.org (make checks payable to "PEARL")