

Spring 2016 Industry Event - CABLES

3 Tracks - 1 Venue

Mitigation Techniques on Corrosion and Oil Leaks and Advanced Diagnostic Techniques for Underground Transmission Cable Systems

March 8 - 9, 2016 • Indian Wells, CA, USA

Conference Overview

Presentations will draw from the expertise and experience of electric utilities, cable and accessory manufacturers, underground cable/pipeline corrosion experts and thought leaders in the field of engineering work practices. Supported by CEATI's Transmission Underground Cables Interest Group (TUCIG), the event will address and explore the latest developments in tools and techniques to improve the design, maintenance operation and management of transmission underground cable systems.

This conference will also provide information on transmission cable diagnostic tests and condition assessment techniques. Utility experience in the interpretation of test results and implementation of remedial measures will be discussed, covering HPPF, SCFF and XLPE cable systems. Attendees will learn the applications of proactive testing and condition monitoring for cables and accessories. The conference will cover well established along with new diagnostic techniques being introduced to the industry.

Conference Topics:

- **Mitigation Techniques on Corrosion and Oil Leaks**
- **Advanced Diagnostic Techniques**
- **Recent Utility Experiences and Incidents with Corrosion and Advanced Diagnostic Techniques**

Concurrent Sessions:



Who Should Attend?

- Cable Engineers
- Transmission Engineers
- Asset Managers
- Maintenance Supervisors
- Engineering Supervisors
- Project Managers
- Consultants
- Contractors
- Service Providers
- Vendors
- Equipment Manufacturers

Conference Goals

1. Learn from each other;
2. Provide knowledge and procedures necessary to recognize and manage the risks ;
3. Identify areas where additional research may improve our knowledge of potential failure modes (via a system-based evaluation and analysis) and identify ways to prevent or mitigate their development;
4. Identify ways to assure that the knowledge of the past is available for the future, and previous mistakes are not repeated;
5. Develop a strategy to ensure the continuation of global communication, coordination, collaboration and advancement.

MARCH 8th Day 1- CABLES PROGRAM

12:00 - 1:15 Networking Lunch - Exhibition Hall

SESSION 1: Corrosion and Leak Mitigation

Session Chair - *Ray Markunas, Public Service Electric and Gas Company*

1:30-1:45	Welcome & Introduction	<i>Steve Haddock, CEATI International</i>
1:45-2:30	Issues with Corrosion Control in Pipe-Type Cables	<i>Adrian Santini, Con Edison (Retired)</i>
2:30-3:00	Early Leak Detection Systems on Pumping Plants	<i>Peter Michaels, MAC Products, Inc.</i>

3:00 - 3:30 Networking Break - Exhibition Hall

3:30-4:00	Field Tests on the Cable Armor of Submarine Cables	<i>Kal Abdolali, Powertech Labs Inc.</i>
4:00-4:30	Magnetic Flux Leakage (MFL) Integrity Inspections of Underground Cable Systems	<i>Terry Smith, Baker Hughes</i>
4:30-5:00	Open Discussion	

Day 1 Adjourned

6:00 - 7:30 Networking Reception - Exhibition Hall

Agenda is subject to change without notice - 22/02/2016



MARCH 9th Day 2- CABLES PROGRAM

7:00 - 8:00 Networking Breakfast - Exhibition Hall

SESSION 2: Advanced Diagnostics Techniques

Session Chair - Frank Frentzas, Exelon

8:00-8:30 **Pry-Cam Wireless Technology for On-line PD Measurements** *Mark Fenger, Prysmian Group*

8:30-9:00 **PD Measurements on 69 kV Cables with Engineered Defects** *Kal Abdolali, Powertech Labs Inc.*

9:00-9:30 **Condition Assessment of Transmission and Distribution Cables** *Boguslaw Bochenski, Kinectrics*

9:30-10:00 **Condition Assessments of Fluid Filled HV Lines** *Mike Mueller, POWER Engineers*

10:00 - 10:30 Networking Break - Exhibition Hall

10:30-11:15 **Condition Monitoring of Electrical Cables Using Line Impedance Resonance Analysis (LIRA)** *Vidar Bergli, Wirescan AS
Jim Raines, Fauske*

11:15-12:00 **Open Discussion**

12:00 - 1:30 Networking Lunch - Exhibition Hall

SESSION 3: Utility Experiences on Corrosion and Diagnostic Techniques

Session Chair - Ron Knapwurst, American Transmission Company

1:30-2:15 **Corrosion Mitigation Direct Assessments Related to In-Line Inspection** *Ray Markunas, Public Service Electric & Gas Company*

2:15-3:00 **HPFF Feeder Pipe Corrosion and Leak Challenges** *Tom Villani, Con Edison*

3:00 - 3:30 Networking Break - Exhibition Hall

3:30-4:15 **Pipe Type Cable Systems Corrosion Mitigation and Repairs** *Frank Frentzas, Exelon*

4:15-4:45 **Open Discussion**

Day 2 Adjourned

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The CEATI Hydropower, Stations and Cables Programs bring together over 90 of the world's leading organizations:



March 7-8, 2016: The Transmission Underground Cables Interest Group (TUCIG) Meeting

The objective of the Transmission Underground Cables Interest Group (TUCIG) is to provide a forum for the exchange of information on cable asset management and to establish and promote techniques and tools for improving the management of fluid-filled and XLPE High Voltage underground cable systems. The group's current focus is developing a Reference Manual for Transmission Cable Systems, which will include the compilation of best work practices and procedures for the design, maintenance and operation based on utility experience.

For more information, visit www.ceati.com/event/SPRING2016

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Registration Form

You may also register online at www.ceati.com/register/cables/



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Registration Fees

Register by December 18, 2015 and save \$50.

- \$945 USD Standard Registration
- \$725 USD CEATI Participant Registration
- \$725 USD Speaker
- \$475 USD Student

Important Information

Registration fees include proceedings package, breakfast, breaks, lunches and reception where indicated on the schedule.

- Please check if you wish to be contacted about allergies or other dietary requirements.

Prices are in USD. Charges will appear as 'CEATI International Inc' and are subject to applicable taxes and fees.

All cancellations received at least 30 days prior to event will be subject to a \$200 processing fee. There will be no refunds granted after this date. Delegate substitution is permitted at no extra cost.

Please note that all names completing this form will be added to CEATI's mailing list. If you do not wish to be included in this electronic outreach, please click the "unsubscribe" button in the email to remove yourself.

Completed registration forms can also be sent by email to events@ceati.com or by fax to (514) 904-5038

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Indian Wells, CA 92210
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All conference guests are eligible for a discounted rate of \$215 (USD) subject to availability. Simply mention "CEATI International" when reserving. Reservations must be made prior to January 12, 2016.