

# Transmission & Distribution Conference

## Strategies for Improving T&D Inspection and Maintenance Activities

### Overview

The electric utility industry is in transition, stimulated by changing customer expectations and technological advances. Electric utilities are starting to see declining or flattening revenues in their regulated business along with increasing expenses. This economic pressure is encouraging the industry to improve its operational efficiency.

This conference will explore practical, cost-effective approaches and methodologies that utilities can employ to reduce their operating expenses, while preserving reliability performance and customer satisfaction. Methods for decreasing technical losses will also be addressed.

This conference will focus on inspections and preventative maintenance activities for overhead transmission assets, as well as overhead and underground distribution assets. Industry experts and utility presentations will provide practical methodologies that utilities will be able to implement both now and in the future to improve their inspection and preventative maintenance activities, to reduce their operational costs, or to increase their value.

### Themes

1. Getting the Best Value for your T&D Inspection and Maintenance Activities Today
2. Getting the Best Value for your T&D Inspection and Maintenance Activities in the Future

### Who Should Attend?

- Transmission and Distribution Managers and Supervisors
- Transmission and Distribution Engineers and Engineering Supervisors
- Asset Managers
- Consultants, Service Providers, and Contractors
- Equipment Manufacturers and Vendors
- Research Facilities and Laboratories Personnel
- Academics

This conference is created with the help of our utility members:



# T&D Day 1: November 19, 2019

## 7:00-8:15 Registration & Breakfast

8:15-8:30	<b>CEATI International Welcome</b>	<i>Andrew Barrett, CEATI International</i>
8:30-8:45	<b>Conference Track Overview</b>	<i>Technical Advisors</i>
8:45-9:15	<b>Keynote Address 1</b>	<i>Paul Grigaux, Southern California Edison</i>
9:15-9:45	<b>Keynote Address 2</b>	<i>TBD</i>
<b>9:45-10:30 Break</b>		
10:30-11:15	<b>Innovating to Drive Value from Utility Assets</b>	<i>Ahsan Upal, Burns &amp; McDowell</i>
11:15-12:00	<b>Study of Machine Learning Applications in Transmission and Distribution Asset Inspection</b>	<i>Jason Pfaff, Power Engineers</i>

## 12:00-1:30 Lunch

### Transmission: Methodologies for Improving Transmission Inspections

1:30-2:00	<b>LineRanger Technology: The Next Evolution in Transmission Line Robotics</b> <i>Nicolas Pouliot, Hydro Quebec</i>
2:00-2:30	<b>Guidelines &amp; Utility Experience for Infrared Inspection of Lines</b> <i>Kurtis Martin-Sturmey, METSCO Derrick Brydges</i>
2:30-3:00	<b>TBD</b> <i>Tony Palizzi &amp; Mike Briggs, Fugro Jeremy Cress, AEP</i>

### 3:00-3:45 Break

3:45-4:15	<b>Development of a Digital Twin for Transmission Line Asset Health</b> <i>Nathan Pinney, LineVision</i>
4:15-4:45	<b>Health Assessment of One Overhead Transmission System</b> <i>Haijian Shin, PEPCO</i>
4:45-5:15	<b>TBD</b>

### Distribution: Methodologies for Improving Distribution Inspections

1:30-2:00	<b>TBD</b> <i>TBD, Hawcs Inspection</i>
2:00-2:30	<b>Drones for Inspection</b> <i>TBD</i>
2:30-3:00	<b>Wearable Technology for Inspections</b> <i>Vidya Vankayala, Powetech Labs</i>

### 3:00-3:45 Break

3:45-4:15	<b>Reduced Maintenance for Submersible Transformers</b> <i>Jane Shin, Con Edison &amp; Joel Kern, ABB</i>
4:15-4:45	<b>Underground Cable Management System</b> <i>TBD, SaskPower</i>
4:45-5:15	<b>TBD</b>

## 5:30-7:00 Exhibitor Networking Reception

Engage with over 60 exhibitors and sponsors, as well as other key industry stakeholders, including utilities, service providers, consultants, and manufacturers.

*Agenda is subject to change without notice.*

# T&D Day 2: November 20, 2019

## 7:00-8:00 Breakfast

8:00-8:15	<b>Morning Announcements</b>	<i>George Watt, CEATI International</i>
8:15-9:00	<b>Presentation To Be Determined</b>	<i>Presenter TBD</i>
9:00-9:45	<b>Application of Artificial Intelligence (AI) and Machine Learning (ML) within Utility Maintenance Program</b>	<i>Kimberly Laing, Manitoba Hydro International</i>
<b>9:45-10:30 Break</b>		
10:30-11:15	<b>Artificial Intelligence (AI) Augmented Transmission and Distribution Line Inspection</b>	<i>Janos Toth, RecognAlse Technologies</i>
11:15-12:00	<b>Application of Labour Forces to the Execution of Preventative Maintenance Work and Inspection</b>	<i>TBD</i>

## 12:00-1:30 Lunch

### Transmission: Strategies for Improving Maintenance Activities

1:30-2:00	<b>When Should Utilities Take a Broader View of Redefining a CAPEX Problem?</b> <i>Keith Sones, Valard</i>
2:00-2:30	<b>Using Asset Management Platform for Integrating IT and OT Data and Improving Results Visualization</b> <i>Yury Tsimberg, Kinectrics</i>
2:30-3:00	<b>TBD</b> <i>Mike Kurecki, Ameren</i>

### 3:00-3:45 Break

3:45-4:15	<b>Thermal Mechanical Testing of Overhead Transmission Fittings</b> <i>Dan Stanton, DMC Power</i>
4:15-4:45	<b>Condition Assessment of Electrically Overstressed Insulators &amp; Corona Rings</b> <i>Christian Bonilla, Powertech Labs</i>
4:45-5:15	<b>TBD</b> <i>Scott Simons, Manitoba Hydro</i>

### Distribution: Strategies for Improving Maintenance Activities

1:30-2:00	<b>Prioritizing Work to Drive Efficiencies</b> <i>Jimi Conway, Exelon</i>
2:00-2:30	<b>Bundling Work to Reduce Maintenance Costs</b> <i>Dan Mastrocola, Hydro Quebec</i>
2:30-3:00	<b>Optimizing Wood Pole Maintenance</b> <i>TBD</i>

### 3:00-3:45 Break

3:45-4:15	<b>Benchmarking and Data Analytics for Efficient Daily Operations</b> <i>Paul Clark &amp; Chelsea Bragg, Arcos</i>
4:15-4:45	<b>Maintenance Optimization &amp; Roadmap for SRP's Distribution Assets</b> <i>Kurtis Martin-Sturmey, METSCO Logan Tsinigine, Salt River Project</i>
4:45-5:15	<b>The Use of Health and Criticality Indices for Optimizing Short Term Maintenance Practices</b> <i>Bill Higinbotham, EA Technologies</i>

## 5:30-7:00 Women in Power Networking Reception

All conference attendees are welcome to register and partake in the Women in Power Group's reception; however, please make sure to register ahead of time by emailing [wip@ceati.com](mailto:wip@ceati.com)

# Transmission & Distribution Conference

## Strategies for Improving T&D Inspection and Maintenance Activities

### Registration Form

Register online at [www.ceati.com/TD2019](http://www.ceati.com/TD2019)

#### Your Information

Name

Title

Organization

Street Address

City, Province, State

Country

Postal/Zip Code


E-mail

Phone

Fax

#### Payment Options

Visa 

Mastercard 

Card No.

Expiry Date  /

Signature

Cardholder

#### Registration Fees & Discounts

Register by August 20, 2019 and save up to \$100!

- ~~\$1,195~~ \$1,095 USD Standard Registration
- ~~\$995~~ \$895 USD Utility Pass
- \$755 USD CEATI Participant Pass
- \$755 USD Confirmed Speaker

\*TLAM, DLAM & SG participating organizations may be eligible for a complimentary registration - contact your Program Coordinator for more information.

#### Exhibit at the T&D Conference!

- ~~\$4,400~~ \$4,300 USD Silver Booth (2 passes)
- ~~\$3,400~~ \$3,300 USD Standard Booth (2 passes)
- ~~\$1,500~~ \$1,400 USD Conference Sponsor
- \$755 USD Additional Exhibitor Passes  
Quantity: \_\_\_\_\_

**For Exhibitors:** All cancellations received 60 days prior to the event will be subject to a processing fee of 25% of the total amount. There will be no refunds granted after this date. Delegate substitution is permitted at no extra cost. Exhibitor registration and additional conference passes include proceedings package, access to the presentation room, breakfast, breaks, lunches, and reception where indicated on the schedule.

#### 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 60 days prior to the 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 registering for the event will be added to CEATI's mailing list. If you do not wish to be included in this electronic outreach, please click on the 'unsubscribe' button in the email to remove yourself. In the spirit of industry networking, your email may be shared with other conference participants. If you do not wish to have your email shared, please contact us at [events@ceati.com](mailto:events@ceati.com). By attending, you acknowledge that there may be photographs or videos taken of you during this event, and you consent to the use of these photographs or videos in future CEATI communications.

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

**Westin Mission Hills**  
71333 Dinah Shore Dr,  
Rancho Mirage, CA  
92270, USA  
+1 760-328-5955



All conference guests are eligible for a preferred rate of \$159 USD a night subject to availability. The preferred rate only available until October 4, 2019.

Make reservations [online](http://www.ceati.com).