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.

The main focus will be on inspection 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.
Session Chairs: George Watt, CEATI International

8:15-8:30 CEATI International Welcome

8:30-8:45 Conference Track Overview

8:45-9:15 Driving Transformation in the California Electric Utility: Opportunities, Challenges, and SCE’s Path Forward

9:15-9:45 High RES Integration in Europe: How to Manage and Lessons Learned

9:45-10:30 Break

10:30-11:15 To Be Announced

11:15-12:00 Study of Machine Learning Applications in Transmission and Distribution Asset Inspection

12:00-1:30 Lunch

Transmission: Methodologies for Improving Transmission Inspections

Session Chairs: Scott Simons, Manitoba Hydro
Anders Dahl, Snohomish PUD

1:30-2:00 LineRanger Technology: The Next Evolution in Transmission Line Robotics
Nicolas Pouliot, Hydro Quebec

2:00-2:30 Guidelines & Utility Experience for Infrared Inspection of Lines
Kurtis Martin-Sturme, METSCO
Derrick Brydges, Linewise Aerial

2:30-3:00 Aerial Surveying and The Transmission Grid of the Future
Tony Palizzi & Mike Briggs, Fugro
Jeremy Cress, AEP

3:00-3:45 Break

3:45-4:15 Development of a Digital Twin for Transmission Line Asset Health
Nathan Pinney, LineVision

4:15-4:45 Integration of UAV Technology Into Transmission Line Inspection, Maintenance, and Construction
Travis Watts, Southern Company

4:45-5:15 To Be Announced

Distribution: Methodologies for Improving Distribution Inspections

Session Chairs: Robert Harris, NRECA
James Conway, Exelon

1:30-2:00 Better Pole Inspection ROI Leveraging Risk Management
Ronnie Flannery, Effigis

2:00-2:30 Use of Drones for Inspection
Stanley McHann, NRECA

2:30-3:00 Wearable Technology for Inspections
Vidya Vankayala, Powetech Labs

3:00-3:45 Break

3:45-4:15 Reduced Maintenance for Submersible Transformers
Jane Shin, ConEdison
Joel Kern, ABB

4:15-4:45 Underground Cable Management System
Sarajit Banerjee, Kinectrics
Michael Strykiwsky, SaskPower

4:45-5:15 Strategies for Line Capacitor Bank Monitoring
Wayne Hartmann, Beckwith Electric

5:30-7:00 Exhibitor Networking Reception

Engage with over 40 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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s), Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:15</td>
<td>Morning Announcements</td>
<td>George Watt, CEATI International</td>
</tr>
<tr>
<td>8:15-9:00</td>
<td>Extending the Visibility of T&amp;D Operations - Enabling Advanced Analytics to Enhance Reliability</td>
<td>Andrew Zetlan, ABB</td>
</tr>
<tr>
<td>9:00-9:45</td>
<td>Application of Artificial Intelligence (AI) and Machine Learning (ML) Within Utility Maintenance Program</td>
<td>Kimberly Laing, Manitoba Hydro International</td>
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<tr>
<td>9:45-10:30</td>
<td>Break</td>
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</tr>
<tr>
<td>10:30-11:15</td>
<td>Artificial Intelligence (AI) Augmented Transmission and Distribution Line Inspection</td>
<td>Janos Toth, RecogNAisle Technologies</td>
</tr>
<tr>
<td>11:15-12:00</td>
<td>Resource Based Strategies for Improved Inspection and Maintenance Activities</td>
<td>Mike MacMillan, Nova Scotia Power</td>
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</tbody>
</table>

**12:00-1:30 Lunch**

**Session Chair:** Eric Valois, CEATI International

### Transmission: Strategies for Improving Maintenance Activities

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:30-2:00</td>
<td>When Should Utilities Take a Broader View of Redefining a CAPEX Problem?</td>
<td>Keith Sones, Valard &amp; Peter Helland, Midgard Consulting</td>
</tr>
<tr>
<td>2:00-2:30</td>
<td>Using Asset Management Platform for Integrating IT and OT Data and Improving Results Visualization</td>
<td>Yury Tsimberg, Kinectrics</td>
</tr>
<tr>
<td>2:30-3:00</td>
<td>Condition Assessment of Electrically Overstressed Insulators &amp; Corona Rings</td>
<td>Christian Bonilla, Powertech Labs</td>
</tr>
<tr>
<td>3:00-3:45</td>
<td>Break</td>
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</tr>
<tr>
<td>3:45-4:15</td>
<td>Management of Insulator Contamination Problems, Mitigation Methods and Innovative Predictive Maintenance of OH Lines</td>
<td>Jean-Marie George, Sediver</td>
</tr>
<tr>
<td>4:15-4:45</td>
<td>Thermal Mechanical Testing of Overhead Transmission Fittings</td>
<td>Dan Stanton, DMC Power</td>
</tr>
<tr>
<td>4:45-5:15</td>
<td>Value Based Decision Making; A Tool for Modernizing Maintenance Strategies</td>
<td>Scott Simons, Manitoba Hydro</td>
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### Distribution: Strategies for Improving Maintenance Activities

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<td>1:30-2:00</td>
<td>Prioritizing Work to Drive Efficiencies</td>
<td>Jimi Conway, Exelon</td>
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<tr>
<td>2:00-2:30</td>
<td>Bundling Work to Reduce Maintenance Costs</td>
<td>Dan Mastrocola, Hydro Quebec</td>
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<tr>
<td>2:30-3:00</td>
<td>LED Street Lighting Cost Benefit</td>
<td>Gordon Hayslip, Snohomish P.U.D.</td>
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<tr>
<td>3:00-3:45</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>3:45-4:15</td>
<td>Benchmarking and Data Analytics for Efficient Daily Operations</td>
<td>Kaira Ellis, Eversource Energy on behalf of ARCOs</td>
</tr>
<tr>
<td>4:15-4:45</td>
<td>Maintenance Optimization &amp; Roadmap for SRP's Distribution Assets</td>
<td>Kurtis Martin-Sturme, METSCO</td>
</tr>
<tr>
<td>4:45-5:15</td>
<td>The Use of Health and Criticality Indices for Optimizing Short Term Maintenance Practices</td>
<td>Bill Higinbotham, EA Technologies</td>
</tr>
</tbody>
</table>

**Women in Power Networking Reception**

5:30-7:00 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

*Agenda is subject to change without notice.*

Tel: 1.514.866.5377 events@ceati.com www.ceati.com
Transmission & Distribution Conference
Strategies for Improving T&D Inspection and Maintenance Activities

Registration Form
Register online at www.ceati.com/TD2019

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☐ $1,195 USD Standard Registration

☐ $995 USD Utility Pass

☐ $755 USD CEATI Participant Pass

☐ $755 USD Confirmed Speaker

* TLAM, DLAM, SG, SOIG & PSPO members may be eligible for a complimentary registration - contact your Program Coordinator for more information.

Exhibit at the T&D Conference!

☐ $4,400 USD Silver Sponsor Booth (2 passes)

☐ SOLD OUT Standard Booth (2 passes)

☐ $755 USD Additional Exhibitor Passes

Quantity: __________________

Top 3 booth choices: __________________

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 have this info shared, please contact us at 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 or by fax to (514) 904-5038.

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71333 Dinah Shore Dr,
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+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.