

# Spring 2016 Industry Event - STATIONS

3 Tracks - 1 Venue

Strategic Planning for Development of Stations of the Future

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

## Conference Overview

As the electrical industry is undergoing fundamental change in reduced load growth, changing load patterns, expanding distributed generation, new emerging technologies and competing demands, CEATI's Life Cycle Management of Station Equipment & Apparatus (LCMSEA) participants have identified a need to further discuss the topics related to strategies of maintaining, planning and development for future stations. Participants are interested in technological advances in station apparatus, construction and maintenance techniques, as well as the changing requirements of stakeholders, regulators, and customers associated with this equipment. Methods and tools for gathering necessary data and analytic processes to assess performance, maintain reliability, plan for and develop future utility stations are being discussed, as well as prevention, planning and control of catastrophic events, to mitigate their effects and respect social responsibility.

## Conference Topics:

- Futuristic View
- Planning and Maintainability
- Safety & Environment
- Reliability/ Customer/ DG Connections
- New Technology, Devices, Construction Techniques and Innovations for Stations
- Security
- Regulatory

## Concurrent Sessions:

**Spring 2016 Industry Event - CABLES**  
Mitigation Techniques on Corrosion and Oil Leaks and Advanced Diagnostic Techniques for Underground Transmission Cable Systems  
March 8 - 9, 2016 - Indian Wells, CA, USA

**Spring 2016 Industry Event - HYDROPOWER**  
Life Extension of Hydropower Assets and Preparing for the Future  
March 8 - 9, 2016 - Indian Wells, CA, USA

## Who Should Attend?

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



For more information, visit [www.ceati.com/SPRING2016](http://www.ceati.com/SPRING2016)

# MARCH 8<sup>th</sup> Day 1 - STATIONS PROGRAM

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

### SESSION 1: Futuristic View

1:15 - 1:30	<b>Welcome &amp; Introduction</b>	<i>Robyn Pascal, CEATI International Inc.</i>
1:30 - 2:00	<b>The Future Look Address</b>	<i>Craig Miller, NRECA</i>

### SESSION 2: Planning & Maintainability

2:00 - 2:30	<b>Asset Health and Risk Based Substation Design</b>	<i>Siri Varadan, ABB Carey Schneider, American Electric Power</i>
2:30 - 3:00	<b>Using Cost of Life-cycle Cost of Ownership to Evaluate Projects Involving Multiple Assets</b>	<i>Darin Johnson, BIS Consulting Rob Weik, Portland General Electric</i>

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

3:30 - 4:00	<b>Future Trends in Step-down Station Design</b>	<i>Daryn Thompson, METSCO Energy Solutions</i>
4:00 - 4:30	<b>Value-Based Decision Making</b>	<i>Boudewijn Neijens, Copperleaf Technologies</i>

### SESSION 3: Regulatory

4:30 - 5:00	<b>ComEd's Energy Infrastructure Modernization Act – Overview of Legislation &amp; Station Improvements</b>	<i>Kevin Swiat, ComEd (Exelon)</i>
5:00 - 5:15	<b>Question Period</b>	

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

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

### Backup Presentations

<b>New Era Transformer Fleet Management</b>	<i>Randy Cox, GE Energy</i>
<b>Transformer Asset Management-Substation of the Future</b>	<i>Marco Tozzi, Camlin Power</i>
<b>On-Line Transformer Oil Purification Tools</b>	<i>Ian Wylie, Powertech Labs</i>
<b>On Line Acoustic PD Diagnostics</b>	<i>Ali Naderian, Kinectrics</i>



# MARCH 9<sup>th</sup> Day 2 - STATIONS PROGRAM

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

### SESSION 4: Safety, Environment and Security

8:00 - 8:30	<b>Don't Let a Bad Leak Spoil Your Day – The Latest Solutions for Online Leak Repair (Oil, SF6 and Nitrogen Leaks)</b>	<i>Liisa Colby, The Colt Group</i>
8:30 - 9:00	<b>Preventing Long-term Outages Due to Loss of Key Transformers</b>	<i>Petter Fiskerud ABB</i>
9:00 - 9:30	<b>PG&amp;E Metcalf Station Improvements</b>	<i>Aster Mehari, Pacific Gas &amp; Electric</i>
9:30 - 10:00	<b>Cyber-Physical Security: A Layered Solution</b>	<i>Maurice Martin, National Renewable Energy Laboratory</i>

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

### SESSION 5: Reliability / Customer / DG Connections

10:30 - 11:00	<b>Challenges with the Proliferation of DG Connections Related to Utility Stations</b>	<i>Frederic Dubois &amp; Dennis Flinn, DNV GL</i>
11:00 - 11:30	<b>Microgrids Pilot Program to Address Security and Resiliency</b>	<i>Aleksi Paaso, ComEd (Exelon)</i>
11:30 - 12:00	<b>Developing Performance and Diagnostic Centers using a Framework for Data Acquisition and Management</b>	<i>Daryn Thompson, METSCO Energy Solutions Nicholas Ham, Georgia Transmission Corporation Eileen Duarte, National Grid</i>

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

### SESSION 6: New Technology, Devices, Construction Techniques and Innovations for Stations

1:30 - 2:00	<b>Substation Loss Contingency Program</b>	<i>Matthew Nissen, Con Edison Inc.</i>
2:00 - 2:30	<b>Innovative Systems Bring Stations to Information Age</b>	<i>Ken Elkinson, Doble Engineering</i>
2:30 - 3:00	<b>Why Intelligent 3D Substation Design? An Engineering Consultant's View of Drivers, Challenges, and Real-world Outcomes</b>	<i>Randolph Brazier, AECOM</i>

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

3:30 - 3:50	<b>Telecommunications: Underpinning Technology Advancement and Future Operations</b>	<i>Tom Lovas, NRECA</i>
3:50 - 4:10	<b>Avista Utilities' Flow Battery Deployment and the Various Use Cases in Play</b>	<i>David Thompson, Avista Utilities</i>
4:10 - 4:30	<b>Manitoba Hydro's Battery Storage Systems</b>	<i>Dexter Williams, Manitoba HVDC Research Centre</i>
4:30 - 5:00	<b>PANEL DISCUSSION: Use of New Technology and Innovations in Station Design, Construction and Maintenance</b>	

5:00 - 5:10 **Concluding Remarks**

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

# Thank You to our Sponsors!



# Spring 2016 Industry Event

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HYDROPOWER

CABLES

STATIONS

## Registration Form

You may also register online at [www.ceati.com/register/stations/](http://www.ceati.com/register/stations/)

### Your Information

Name	<input type="text"/>
Title	<input type="text"/>
Organization	<input type="text"/>
Street Address	<input type="text"/>
City, Province/State	<input type="text"/>
Country	<input type="text"/>
Postal/Zip Code	<input type="text"/>
E-mail	<input type="text"/>
Phone	<input type="text"/>
Fax	<input type="text"/>

### Payment Options

Visa   Mastercard 

Card No.	<input type="text"/>
Expiry Date	<input type="text"/> / <input type="text"/>
Signature	<input type="text"/>
Cardholder	<input type="text"/>

### 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](mailto:events@ceati.com) or by fax to (514) 904-5038

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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.