

2nd Annual Smart Grid Conference

The Smart Grid as a Platform for Customers, Services, and Things

November 14-15, 2017 • Tampa, FL

Conference Overview

For electrical utilities, the building of a smart grid enables the connection and participation of customers, services, and new technologies. This applies mainly to utility distribution systems but it may also apply to transmission systems.

The conference will focus on the meaning of a smart grid as a platform for users, services, and new technologies, from both a utility and customer perspective. The conference sessions will cover technologies and devices at the edge of the grid, the possibilities of the Internet of Things, smart monitoring of the grid for automated operation in the presence of these new services, and the integration of utility IT and OT.

This conference is organized with the support of CEATI's Smart Grid Task Force (SGTF), consisting of the following leading North American Utilities:



Sessions

- The Distribution System as a Platform
- The Integration of OT with IT
- Customer Owned DER and Integration with the Grid
- DERMS - Fundamentals and Implementation Considerations
- Smart Grid Technologies, Modeling, and the Internet of Things

For more information visit, www.ceati.com/TD2017

DAY 1 • November 14, 2017

7:30 – 8:30 Registration & Breakfast - Exhibition Hall

8:30 - 8:50	Conference Openings Welcome & SGTF Introduction	John Fuerth, CEATI International Raed Abdullah, Hydro Ottawa
8:50 - 9:20	Key Note Speaker - The Smart Grid as a Platform for Customers, Services and Things	Jason Handley, Duke Energy



Transmission Line Asset Management (TLAM)

- Development of Optimal Maintenance Techniques
- Asset Information Needed for Management Purposes and Quality of Information
- New Technologies for Condition Assessment
- Corrosion Control and Mitigation
- Health Assessment & End-of-life Prediction
- Line Component Performance Issues, Evaluations & Predictability
- Asset Investment Decision Making

SESSION 1: The Distribution System as a Platform

9:20 - 10:00	Enhanced System Layers to Enable the Management and Operation of the Distribution System as a Platform	Dr. Gerhard Walker, Opus One Solutions
10:00 - 10:30 Morning Break - Exhibition Hall		
10:30 - 11:05	Smart Grid Innovations at New York Power Authority	Dr. Atena Darvishi, New York Power Authority
11:05 - 11:40	The Utility of the Future as a Platform	Joe Zerdin, Hydro One Networks Inc.
11:40 - 12:15	Enabling the Enablers - Transition to Smart Grid Platforms	Jennifer Hiscock, Natural Resources Canada
12:15 - 12:30	Question Period - The Distribution System as a Platform	All Participants

Distribution Line Asset Management (DLAM)

- Improving Reliability of Distribution Equipment & Systems
- Cost-Effective Asset Life Cycle Management
- Improving Safety of the Distribution System
- Improving Environmental Sustainability
- Future Distribution System

12:30 - 1:30 Lunch - Exhibition Hall

SESSION 2: The Integration of OT with IT

1:30 - 2:05	IT vs. OT-The Journey	Angela Smith, FortisAlberta
2:05 - 2:40	Managing OT System Integration Complexity with an OT Message Bus (OTMB)	Brad Harkavy, LiveData Utilities
2:40 - 3:10 Afternoon Break - Exhibition Hall		
3:10 - 3:45	Information and Operational Technology Convergence Trends	Manuel Atanacio, ESTA International LLC
3:45 - 4:20	Underground Mapping Program	Donald N. Kleyweg Jr & Eric R. Bergstrom, HBK Engineering
4:20 - 4:55	Integrating OT and IT Systems to Optimize Field Workforces	Ralph Garvin Jr. & Leonard Lee, Dispatchr
4:55 - 5:10	Question Period - The Integration of OT with IT	All Participants

Smart Grid (SGTF)

- Distribution (DMS, OMS, SCADA, Distribution Automation, and Integrated Voltage Control with Advanced Metering Infrastructure)
- Operations (Energy Storage, DG Integration, Communication & Data Analytics)
- IT/OT Convergence

DAY ONE CONFERENCE ADJOURNMENT

6:00 - 7:30 NETWORKING RECEPTION – EXHIBITION HALL

* Agenda is subject to change without notice



DAY 2 • November 15, 2017

7:30 – 8:25 Breakfast - Exhibition Hall

John Fuerth,
CEATI International



Thank you to our
Sponsors:



8:25 - 8:30 Morning Announcements

SESSION 3: Customer Owned DER and Integration With the Grid

8:30 - 9:05 Implementing Volt/VAR Optimization with DER Penetration

Wayne Hartmann,
Beckwith Electric

9:05 - 9:40 DER Management to Improve Distribution Grid Resiliency

Parag Parikh, ABB

9:40 - 10:10 Morning Break - Exhibition Hall

10:10 - 10:45 SunDial DOE Project: Enabling High Penetration PV -- Using Buildings as Batteries

Jim Boch,
IPKeys

10:45 - 11:20 Energy Storage - Creating Value on Both Sides of the Meter

Dr. Michael Kleinberg,
DNV GL

11:20 - 11:35 Question Period - Customer Owned DER and Integration with the Grid

All Participants

SESSION 4: DERMS - Fundamentals and Implementation Considerations

11:35 - 12:00 Seminar: Distributed Resource Management Systems (DERMS)

Ali Vojdani,
Gridbright

12:00 - 1:15 Lunch - Exhibition Hall

1:15-2:15 DERMS Seminar Continued

Ali Vojdani,
Gridbright

SESSION 5: Smart Grid Technologies, Modeling, and the Internet of Things

2:15 - 2:45 A Utility's Perspective – What Information is Important to Integrate

Joe DiAdamo,
IBM

2:45 - 3:15 What is Between Grid of Things and Internet of Things is HOT (Holistically Orchestrated Things)

Ron Chebra,
EnerNeX

3:15- 3:45 Afternoon Break - Exhibition Hall

3:45-4:15 Internet of Things 101: An introduction to the Internet of Things for Electric Utilities

Melissa Chan,
kendril

4:15 - 4:45 Developments in Fault Current Indicators, Fault Passage Indicators, and Line Sensors

Vidya Vankayala,
Powertech Labs

4:45-5:00 Question Period - Utility's Perspective on Smart Grid Technologies

All Participants

5:00 - 5:05 Concluding Remarks

John Fuerth, CEATI
International & Raed
Abdullah, Hydro Ottawa

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Hilton Tampa Downtown
211 North Tampa Street
Tampa, FL 33602
+1-813-204-3000



All conference guests are eligible for a discounted rate of \$124 (USD) subject to availability. Simply mention "CEATI International" when reserving.

Registration Form

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Register online at
www.ceati.com/TD2017

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

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

Registration Fees & Discounts

Register by July 30, 2017 and save \$50.

- \$945 USD Standard Registration
- \$675 USD CEATI Participant Registration
- \$675 USD Speakers
- \$475 USD Academia/Session Chairs

*SGTF participating organizations may be eligible for a complimentary registration - contact the Program Coordinator for more information.

Exhibit at the Smart Grid Conference!

- \$2900 USD Booth Registration (includes 2 standard passes)
- \$3800 USD Silver Sponsor Booth (2 passes)
- \$695 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 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. 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 also be sent by **email** to events@ceati.com