

# CEATI Grounding and Lightning Task Force

## TECHNICAL INFORMATION SESSION

November 19-20, 2009  
Montreal, QC, Canada



## The CEATI Program

The CEATI program model combines inter-utility benchmarking and information exchange with the development of practical projects yielding results that have immediate impact for our participants.

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The objective of the Grounding & Lightning Taskforce (GLTF) Workshop is to bring industry professionals together to identify, discuss and resolve common problems and create networking opportunities for utilities concerned with grounding and lightning issues. This taskforce will develop a common vision to identify knowledge gaps and to provide guidance on future research and technology development initiatives.

## Program

Chaired by John Williamson, GLTF Technical Advisor

### Day 1 - Thursday, November 19, 2009

*Continental breakfast will be served  
in the meeting room at 8:00 a.m.*

- **08:30-08:35 Welcome and Introduction**  
John Williamson
- **08:35-08:40 Overview of the CEATI Collaborative Research Program - Description of Task Force**  
CEATI International
- **08:40-08:50 CEATI Research Projects related to Grounding & Lightning**  
John Williamson
- **08:50-09:30 Measurements and Investigations of Grounding Characteristics at a HV tower**  
Jacques Fortin, Hydro-Quebec
- **09:30-10:15 Evaluating Transient Ground Impedance using the Zed-Meter (TM) and NEC-4 Software**  
Bill Chisholm, Kinectrics
- *10:15-10:30 Coffee Break*
- **10:30-11:15 Transmission Line Lightning Performance Mitigation using Arresters and Shield Wires**  
John Williamson
- **11:15-12:00 Protection of Telephone Cables in Substations**  
Jean De Sève, Hydro-Quebec

*12:00-13:00 Lunch will be served in the meeting room*

- **13:00-13:45 Tower Ground Resistance Test Set - AEMC 6472/6474**  
John Olobri - AEMC
- **13:45-14:30 Ground Impedance Testing with the Omicron CPC 100 & CP CU1**  
Ulrich Klapper - Omicron
- **14:30-15:15 Stray Voltage - Bill 143 and the Ontario Energy Board Mitigation of Farm Stray Voltage**  
Ivor Da Cunha, Leapfrog
- *15:15-15:30 Coffee Break*
- **15:30-16:15 Diagnostic Testing and Simulation of Neutral to Earth Voltage**  
Peter Dick, Kinectrics
- **16:15-17:00 Grounding System Maintenance Testing**  
Babak Jamali, Kinectrics

### Day 2 - Friday, November 20, 2009

*Continental breakfast will be served  
in the meeting room at 8:00 a.m.*

- **08:30-9:50 Workshop Roundtable Discussion**  
All Participants / presenters
- **09:50-10:00 Field Verification of the Lightning Sharing Capability of Overhead Line Surge**  
John Williamson

## Registrant Information

Name

Organization

Street Address

City, Province/State

Postal/Zip Code

E-mail

Phone

Fax

## Payment Options

- VISA
- MasterCard
- American Express



Card No.

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## Location



Holiday Inn Montreal Midtown  
420 Sherbrooke Street West  
Montreal, Quebec, Canada H3A 1B4  
Meeting Room: Ambassador C



## Pricing

- \$445 Standard Registration
- \$345 CEATI Participating Organizations
- FREE CEATI GLTF Participants

All prices subject to applicable taxes.

## Important Information

All prices are listed in US Dollars (\$USD). Charges will appear as 'CEATI International Inc.' Please note that CEATI cannot guarantee currency exchange rates for credit card transactions.

All cancellations received before October 5th, 2009 will be subject to a \$100 processing fee. There will be no refunds granted after this date. Delegate substitution is permitted at no extra cost.

All workshop inquiries should be directed to [workshops@ceati.com](mailto:workshops@ceati.com).



This event is organized with the support of the CEATI Grounding and Lightning Task Force (GLTF)

