

# Grounding and Lightning Workshop 2011

November 7-8, 2011  
Niagara Falls, Canada

## Lightning and Grounding System

Grounding and lightning issues remain a concern across the industry as it is continuously challenged with higher safety standards and a need to better understand grounding and lightning issues. New and better ways to design, construct and test grounding and lightning systems are developed to meet industry demands.

The Grounding and Lightning Workshop brings together grounding and lightning experts, providing an excellent opportunity for networking with consultants, manufacturers and representatives from leading electric utilities.

This workshop is a forum for the exchange of information related to grounding and lightning concerns, with a focus on technical presentations, training and the exchange of ideas and experiences for the benefit of the industry.

The workshop will present an overview of grounding and lightning topics in a series of presentations from the industry experts.

## Event Details

### Embassy Suites Fallsview Hotel

1-800-420-6980

6700 Fallsview Boulevard, Niagara Falls, ON, Canada, L2G 3W6

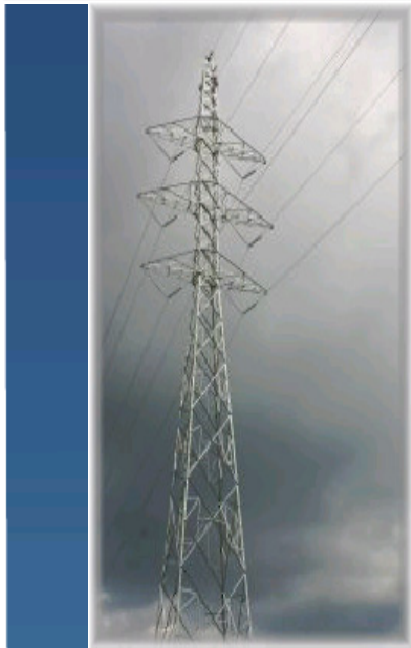
Reserve now and get the CEATI preferred rate of \$115 a night. Just call 1-800-420-6980 to make your reservation and mention the CEATI International room block. While supplies last.

If you have any questions about the workshop, please do not hesitate to contact us by:

E-mail: [workshops@ceati.com](mailto:workshops@ceati.com)

Phone: +1 (514) 866-5377

This workshop is organized with the support of the CEATI Grounding and Lightning Task Force.



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## Safety

- Effects of Current on Human Beings (IEC 60479-1)  
- Bill Chisholm, *IEEE Fellow*
- Induced Voltages on Fences in Right of Ways  
- Hamdy Khalil, *BC Hydro*  
- TBD
- Performance of Equipotential Ground Mats  
- Jody Levine, *Hydro One Networks*

## Electrical Connections

- The Science of Grounding Electrical Connections  
- Milenko Braunovic, *MB Interface*
- Compression Connections  
- Bob Hobbs, *DMC Power*
- Exothermic Connections  
- Henry Kowalewski, *Erico*

## Lightning

- Transmission Line Segmented Overhead Ground Wires  
- Allen Van Leuvan, *BPA*
- Vaisala Fault Analysis & Lightning Location Software  
- Robert Gibbs, *Entergy Corp.*
- Externally Gapped Arresters  
- Jon Woodworth, *ArresterWorks*

## Grounding Systems & Testing

- Tower Grounding Resistance Measurement & Calculation Procedures  
- Mazana Armstrong, *BC Hydro*
- Smart Ground Tester  
- Lee Howard, *LE&C*
- Soil Resistivity Measurements High versus Low Frequency  
- Bill Chisholm, *IEEE Fellow*
- DC Current Corrosion of Tower footings, Anchors, Conductors  
- Jim Longworth, *Corpro Inc.*
- Copper Theft – Utility Initiatives  
- Laura S. Conklin, *AEGIS Insurance Services*
- Grounding Practices near Pipelines  
- TBA
- Station Grounding Concerns and Mitigation Techniques  
- Babak Jamali, *METSCO*

## Grounding Training

- A.P Sakis Meliopoulos, *Advanced Grounding Concepts*
- Design Criteria, Standards, Software & Methodology
- Soil Resistivity Considerations
- Grounding System Testing
- Grounding for Lightning Protection

## Registration Information

Name

Organization

Street Address

City, Province/State

Postal/Zip Code

E-Mail

Phone

Fax

## Registration Fees

- FREE  GLTF Participants (Two per utility)
- FREE  Workshop Speaker
- \$595  CEATI Participant Organizations (Two per utility)
- \$855  Standard Registration
- \$1 295  Exhibition Space (Includes one pass)
- \$545  Exhibition (One additional pass)

## Discounts

Early bird discount of 5% until June 1<sup>st</sup>, 2011

## Payment Options



- Visa
- MasterCard
- American Express

Card No.

Expiry Date  /  MM/YY

Signature

Cardholder

## Important Information

Registration fees include meals and breaks (where indicated on the schedule), evening reception and proceedings packages.

Charges will appear as "CEATI International Inc." Please note that CEATI cannot guarantee currency exchange rates for credit card transactions.

All cancellations received before September 15<sup>th</sup>, 2011 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).

## Dietary Requirements

- Please check if you wish to be contacted about allergies or other dietary requirements.

**Return this form via fax to +1 (514) 904-5038 or call us at +1 (514) 866-5377**

## Workshop Location

The event will be held at the [Embassy Suites Fallsview Hotel](#) in Niagara Falls, Ontario.

On the border between Canada and the United States, this city is home to its picturesque namesake waterfalls on the Niagara River. To discover the many attractions of Niagara Falls, including world renown theatre, spas, the Winter Lights Festival, fireworks displays, casinos and more, please visit the following link <http://www.niagarafallstourism.com/thingstodo.html>.