



Edmonton, March 19-21, 2012

## **IEEE IAS Electrical Safety, Technical and Mega Projects Workshop**

March 19-21, 2012

Mayfield Inn & Suites Edmonton, Alberta, Canada

[www.ieee.org/estmp](http://www.ieee.org/estmp)

The IEEE IAS ESTMP Workshop provides a forum for exchanging and advancing industry knowledge in the areas of electrical safety, engineering design, power system reliability and the implementation and execution of Mega Projects. The Workshop focus will be to share innovative concepts, successes as well as lessons learned in the areas of: 1) advancing state of the art knowledge and best practices, 2) stimulating innovation in creating the next generation of technology and 3) design and implementation of Mega Projects.

**REGISTRATION IS OPEN – WWW.IEEE.ORG/ESTMP**

### **Who Should Attend**

Individuals that have participated in past ESTMP workshops continue to attest to the high quality of the presentations and tutorials. Anyone involved with electrical, safety, construction, or design would benefit from this workshop. Some of the companies that continue sending employees to the workshop include:

Albian Sands Energy Inc.,  
Bantrel Canada,  
Ber-Mac Electrical and  
Instrumentation,  
Capital Engineering,  
Cenovus Energy,  
CH2MHILL Canada,  
Chemco Electrical,  
Chevron,  
ConocoPhillips Canada,  
CoSyn Technology,  
Dickin Engineering Inc.,  
DuPont,

E&I Contractor,  
Enbridge Pipelines,  
EnCana,  
Emerson Industrial,  
EPCM,  
Fluor Canada Ltd.,  
Husky Oil  
Irving Oil,  
Jacobs Engineering,  
Laird Electric Inc.,  
Magna Electric Corporation,  
Magna IV Engineering,  
Nova Chemicals,

PCL Intracon Power Inc.,  
PowerComm Inc,  
Pyramid Corporation,  
Shell,  
Sinai Engineering,  
SNC Lavalin Inc.,  
Suncor Energy Inc,  
Syncrude Canada Ltd.,  
TransAlta,  
Tri Ocean Engineering Ltd.,  
University of Alberta  
Worley Parsons,

### **Sponsorship**

There are opportunities to sponsor such items as breakfasts, coffee breaks, lunch, presenters gifts, audio visual aids, printing of the workshop material, CDs, hospitality suites, social events, etc. as well as participate in the evening hospitality suites. For further information, contact our sponsorship chair, Bert Neish. [Robert.Neish@Shell.com](mailto:Robert.Neish@Shell.com) (403)510-6068.

#### **Thank you to the following sponsors already confirmed for this event:**

Brodwell Industrial Sales,  
Deca Cables,  
Eaton Corporation,  
Electrical Safety Program  
Solutions,  
Fluor Canada Ltd,  
Killark Hubbell,  
Littlefuse Startco,

Mersen Canada,  
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Texcan,  
Tyco Thermal Controls,  
Thermon Canada Inc,  
Trotter and Morton,  
Westburne Electric  
Alcan Cables,



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## Schedule

A presenter list is available via this link <http://ewh.ieee.org/soc/ias/tmp/schedule.html>.

	Sunday, March 18	Monday, March 19	Tuesday, March 20	Wednesday, March 21	
7:00 - 8:00		Registration, General & Author's Breakfast	Registration, General & Author's Breakfast	Registration, General & Author's Breakfast	
8:00 - 8:50		Managing Electrical Assets Cradle to Grave	Tailored Arc Flash Safety Solutions	Electrical Safety Programs - A to Z	DC System Protection and Coordination
9:00 - 9:50		Industrial LED Lighting	System Transients and Transformer Failures	Risk Management in PPE and Arc Flash Safety	Large Project Reliability and Economic Analysis
10:00 - 10:50		MV Drive Life Cycle Costs and Best Practices	Arc Flash Reduction Case Studies	Maintenance Essentials and CSA Z463	Non-Intrusive Partial Discharge Techniques
11:00 - 11:50		Automated Diagnostics for Distribution Systems	Arc Flash Calculation Issues	Overhead Line Safety and Training	Assumption and Source Data for Power System Calculations
11:50 - 13:10		Lunch & Keynote Address Operational Excellence in Project Execution Mike Macsween - EVP Suncor	Committee Recognition Lunch		Lunch for Tutorial Attendees
13:10 - 14:00		Analytics in Contractor Management	Panel Discussion #2 Consulting World Challenges and Opportunities		Concurrent Tutorials: 1. Area Classification 2. Large Adjustable Speed Drives & IEEE 1566 3. CEC Updates and Industrial Applications
14:00 - 15:00		Panel Discussion #1 CSA Z462 and IEEE 1584: Misapplication and Misunderstanding of Arc Flash Standards	Panel Discussion #3 Contracting World Challenges		
15:00 - 16:00					
16:00 - 17:00		Early Registration with Meet and Greet	Vendor Exhibition	Vendor Exhibition	
17:00 - 18:00					
18:00 - 19:00					
19:00 - 19:30	Hospitality Suites	Social Event	Hospitality Suites		
19:30 - 20:00					
20:00 - 21:00					
21:00 - 22:00					
22:00 - 23:00		Hospitality Suites			

## Exhibition

Exhibitions are held on Monday and Tuesday afternoons following the technical sessions. Vendors and suppliers are invited to showcase their products & services. For further information, contact our exhibition chair, Ken Martin [KMartin@Brodwell.com](mailto:KMartin@Brodwell.com) (403) 689-7601.

**Looking forward to seeing you at the 2012 IEEE Electrical Safety, Technical and Mega Projects Workshop**

Watch [www.ieee.org/estmp](http://www.ieee.org/estmp) for more details and registration