WHO SHOULD ATTEND

- Provincial Regulators
- HVAC Contractors and Technicians
- Occupational/Environmental H&S Professionals
- Industrial Maintenance Supervisors and Personnel
- Safety Managers
- Electricians and Electrical Contractors
- Electrical Engineers and Workers

KEY TOPICS

- Changes in the 2012 CEC including new requirements for solar PV installations
- Changes to the new edition of the CSA Z462
- New legislative requirements on worker safety and due diligence
- Key elements of safety management including ArcFlash protection, hazard mitigation, PPE and hazard boundaries
- Emerging requirements to enhance energy efficiency and management including battery banks, EV installations and smart grid technologies

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Canadian Electrical Code and Electrical Safety CONFERENCE SERIES

MISSISSAUGA – OCTOBER 18-19, 2011
Doubletree by Hilton – Toronto Airport, 655 Dixon Road, Toronto ON
2 DAYS

CONTINUING EDUCATION CREDIT

A key component to a successful electrical safety management program is awareness of new best practices for standards, regulations and safety. Equally important is how to apply the standards in your own environment.

This four-city, two-day conference series will provide a preview of important changes to the 2012 edition of the Canadian Electrical Code Part I, as well as the newly-updated Z462 Workplace Electrical Safety standard; changes which may impact your company’s work practices, policies and procedures related to electrical installations and safety.

JOIN INDUSTRY EXPERTS AND CSA ELECTRICAL CODE COMMITTEE MEMBERS TO:

- Gain insight into more than 180 Code changes compared to the previous edition – one of the most extensive set of revisions ever!
- Understand and apply new & updated installation requirements, including the use of new technologies in the emerging areas of solar/PV, wind and electrical vehicle installation
- Learn the latest techniques in developing effective electrical safety programs to help protect workers and reduce the potential for risk or injury
- Network with CSA members, industry experts and safety professionals

ASK THE EXPERTS: OUR PANEL OF ELECTRICAL SAFETY EXPERTS WILL BE AVAILABLE TO ANSWER YOUR SPECIFIC QUESTIONS AROUND ELECTRICAL SAFETY.

ALSO COMING TO

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Telus Convention Centre, 120 – 9th Avenue SE, Calgary AB

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VANCOUVER – NOVEMBER 2ND, 2011
PNE Forum Building, 2901 East Hastings Street, Vancouver, BC
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## AGENDA AT-A-GLANCE

### DAY ONE  OCTOBER 18, 2011

| **8:45 – 9:00** | OPENING REMARKS |
| **9:00 – 9:45** | KEYNOTE ADDRESS – ONTARIO OHS SYSTEM REFORM  
John Vander Doelen – Director, Project Secretariat, Ministry of Labour |
| **10:00 – 11:00** | ELECTRICAL SAFETY AND WORKING ENERGIZED: ELECTRICAL ARC FLASH & SHOCK HAZARDS  
TERRY BECKER – CEO, Senior Management Consultant, ESPS  
Working on energized equipment should be the EXCEPTION not the RULE. This seminar will look at how Z462 defines working on energized equipment, when is it allowed under the standard, and what procedures are to be followed when work is to be done on energized equipment. |
| **11:15 – 12:15** | GUIDELINES FOR MAINTENANCE OF ELECTRICAL SYSTEMS – INTRODUCTION TO CSA Z463  
KERRY HEID – President, Safety Expert, Magna Electric Corporation  
CSA is undertaking the development of a national Guideline on Maintenance of Electrical Systems CSA Z463. The presentation will provide an overview of electrical maintenance programs including: Management of maintenance programs (electrical power distribution systems); prevention of injury, property loss or environmental; improvement of asset reliability through the entire lifecycle of electrical equipment; and factors influencing the design of electrical systems for ease of inspection and safe worker access. |
| **1:45 – 2:45** | UNDERSTANDING CEC SECTION 50 AND 84 SOLAR PV / INSTALLATION SAFETY  
JOHN SALMON – President, Safety Expert, AR Milne  
Intended to provide a basic overview of Solar PV safety, this presentation will focus on shock protection, arc flash hazards, fire hazards and the concerns for servicing, troubleshooting, safe handling, labelling, electrical installation methods, interconnection of modules and arrays including the importance of maintaining bonding and grounding when working outdoors and in wet conditions. |
| **3:00 – 4:00** | CSA Z462 OVERVIEW AND CHANGES  
DANIEL ROBERTS – Safety Manager, Schneider Electric  
CSA Z462 was the first comprehensive Canadian Standard intended to address safety-related work practices relative to electrical power systems. Since its launch in 2008, CSA Z462 has gone on to become one of CSA’s best selling Standards. The next edition of the Standard will be undergoing some significant changes. This presentation will provide a review of key elements of CSA Z462 and the upcoming changes for 2012. |
<p>| <strong>4:00 – 6:00</strong> | RECEPTION IN THE EXHIBIT HALL: CASH BAR, HORS’ D’OEUVRES, DEMOS, EXHIBITOR PROFILES |</p>
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<tr>
<th>Time</th>
<th>Stream A</th>
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<tr>
<td>8:30 – 9:00</td>
<td><strong>KEYNOTE ADDRESS – ROLE OF STANDARDS AND CERTIFICATION</strong></td>
<td><strong>LEGAL REQUIREMENTS / LIABILITY ISSUES AROUND ELECTRICAL SAFETY</strong></td>
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<td>JIM POLLARD – Canadian Sales Manager, Oberon</td>
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<td>Personal Protective Equipment such as clothing, gloves, footwear, head</td>
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<td>gear and eyewear are critical parts of a safety program. This workshop</td>
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<td>will guide you through the different classifications, types, care of,</td>
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<td>maintenance and testing for PPE with specific examples on the latest</td>
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<td>equipment.</td>
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<td>10:30 – 12:00</td>
<td><strong>PLENARY PANEL – QUESTION AND ANSWER SESSION WITH THE EXPERTS</strong></td>
<td><strong>AN UPDATE ON CSA Z460-12 THE CONTROL OF HAZARDOUS ENERGY – LOCKOUT AND OTHER METHODS</strong></td>
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<td>12:00 – 1:00</td>
<td><strong>LUNCH</strong></td>
<td><strong>Len Cicero – Principal, Safety Expert, Lenco Training &amp; Technical Services</strong></td>
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<td>1:00 – 2:00</td>
<td><strong>NAVIGATING SOLAR PV INSTALLATION STANDARDS</strong></td>
<td><strong>Arc Flash PPE – Applying Risk Management Principles</strong></td>
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<td>STEVE DOUGLAS – Senior Technical Codes Specialist, QPS Evaluation Services Inc.</td>
<td><strong>Daniel Roberts – Safety Manager, Schneider Electric</strong></td>
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<td>In addition to Section 50 and 84 in the Canadian Electrical Code, there</td>
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<td>are a number of performance, safety and installation standards that</td>
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<td>pertain to solar energy products in Canada. This presentation will</td>
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<td>walk you through important and emerging elements of Solar PV installation with specific references and industry examples.</td>
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<td>RICHARD TEMBLADOR – Director, Field Product Research, Southwire</td>
<td><strong>Mike Doherty – Health &amp; Safety Consultant – Prevention Specialty Services, Infrastructure Health &amp; Safety Association</strong></td>
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<td>Learn about the latest wire and cable innovations and installation</td>
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<td>details that can increase safety, reduce costs, and increase</td>
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<td>productivity. Additionally participants will gain a better</td>
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<td>understanding of the CEC and CSA requirements and the ground path</td>
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<td>performance requirement.</td>
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<td>3:30 – 4:45</td>
<td><strong>WHAT’S NEW IN LIGHTING – TECHNOLOGIES AND INSTALLATION</strong></td>
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<td>KENNETH SIDERIUS – Utility Segment Manager, Cooper Lighting</td>
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<td>The presentation will review current trends in energy efficient lighting technologies for indoor and outdoor applications. Highlights will include new products and updates on the current technologies and performance testing requirements.</td>
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<td>4:45 – 5:00</td>
<td><strong>CLOSING REMARKS</strong></td>
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<td>MISSISSAUGA, ON – OCTOBER 18-19, 2011</td>
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CANCELLATION/SUBSTITUTION AND TRANSFER POLICIES: Cancellation requests received more than 14 calendar days before start date of the event will receive a full refund less a $100 administration fee. Cancellation requests received within the 14 calendar days prior to the event start date will be non-refundable.

Substitution of event attendee will be permitted at any time prior to the start date. Please ensure that the substitute has met any prerequisite requirements.

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