



Grounding and Bonding

Grounding and bonding in residential, commercial, industrial, and institutional buildings is essential. Grounded circuits of machines and equipment need to have an effective return path from the machines to the power source in order to function properly. In addition, non-current-carrying metallic components of electrical equipment in a facility, such as equipment cabinets, enclosures, and structural steel, need to be electrically bonded to the ground so voltage potential cannot exist between them.

Topics to be covered:

- Fundamentals and importance of grounding and bonding
- Requirements of grounding conductors, electrodes, and equipment grounding
- Importance of grounding in relation to system faults and ground-fault protection
- Requirements of grounding for lightning protection
- Difference between functions of bonding and grounding conductors
- Essentials of High Voltage grounding

Speaker: Arkady (Ark) Tsisserev, P.Eng.

Ark has been in the electrical industry for almost 50 years. He started to work on tools as a construction electrician in 1962. Ark is a registered professional engineer with a master's degree in electrical engineering and is the Chair of the Technical Committee for the CE Code, Part I; former Chief Electrical Inspector for the City of Vancouver, Past President of the BC Electrical Inspectors Association; and Past President of the Canadian Section of the International Association of Electrical Inspectors. He is also a Principal with Stantec Consulting and the Leader of the Stantec Electrical Discipline for the company's North American operations.

Date: Thursday, April 5, 2012

Time: 3:00 pm – 6:00 pm (Credit: 3 Professional Development Hours)

Cost: ICBA Members: \$100.00 + \$12.00 HST = \$112.00

Non-members: \$150.00 + \$18.00 HST = \$168.00



Location: Executive Hotel and Conference Centre, 4201 Lougheed Hwy, Burnaby, BC V5C 3Y6

Please register before March 28, 2012 to avoid cancellation of this course.

Company: _____

Address: _____

Phone: _____ Fax: _____

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Registrants: _____

Total Payment Enclosed (including HST): \$ _____

Payment: Cheque Credit Card VISA / MASTERCARD (circle one)

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- To guarantee registration, fax form to ICBA @ 604-298-2246 or email to info@icba.ca
- Send cheques payable to ICBA, 211 - 3823 Henning Drive, Burnaby, BC V5C 6P3
- No cancellations/refunds after March 28, 2012 (substitutions only)

For more information contact 604-298-7795

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