



To: **Electrical Engineering Consultants, Utilities, Firms, etc.**

**Attention:** Managers, Principals, etc.

RE: **Institute of Electrical and Electronics Engineers, Industrial Applications Society  
- Industrial and Commercial Power Systems (I&CPS) Conference May 6-11, 2007  
Sutton Place Hotel, Edmonton, Alberta**

Did you know that the IEEE IAS I&CPS was, and still is, the force behind the development and update of the ANSI/IEEE Color Book Standards? That is the Red, Brown, Gold, White, Bronze, Emerald, Green, etc. books which deal with the practical aspects of design, power system and reliability analysis, protection, and maintenance of various types of industrial and commercial power systems. The I&CPS is much more than standards, and has several committees, Power Systems Engineering, Power System Protection, and Energy Systems which advance the analysis and the design of industrial and commercial power systems.

This conference provides engineering staff involved in the design, engineering and maintenance of industrial and commercial facilities, or electric utility staff dealing with customers who have those facilities, an opportunity to learn about emerging issues, equipment trends, or how others tackled problems related to industrial and commercial power systems. Below is just a sample of the papers that have been accepted by the various I&CPS committees for presentation at the conference:

#### Codes & Standards

- NFPA 70B Recommended Practice for Electrical Equipment Maintenance
- Panel Discussion – 2008 NEC (National Electric Code) Changes

#### Power Systems Engineering:

- Decision making process for selecting reliable and efficient substations for industrial customers
- Investigation of input harmonic distortions of variable frequency drives

#### Power System Protection

- -Power System Blackouts – Minimizing their impact at industrial co-generation facilities
- Fault Detection Techniques for Power Transformers

#### Energy Systems

- Design of under voltage relay for an Industrial plant with cogeneration units to enhance power quality of critical loads
- PEA guidelines of Impact Study and Operation of DG (Distributed Generation for Islanding Operation)



The conference also features 4 half day tutorials (which immediately follow the conference) and some exhibits.

The tutorials are:

- 1) Dynamic Parameter Based Tuning Base on System Transient Response
- 2) Comprehensive Design of Electrical Installations Integrating System Configuration and Operational Safety Aspects
- 3) Electrical Safety and Arc Flash in the Industrial & Commercial environment
- 4) Application guidelines on current transformer (CT) and potential transformers (PT) for both metering and protection

To find out more details about the conference and to register visit the conference web site:  
[www.ieee.org/icps2007](http://www.ieee.org/icps2007)

The IEEE is the largest electro-technical volunteer organization in the world dedicated to the advancement of electro technology. The IAS is one of the technical societies within the IEEE, and part of its vision is to:

*...the advancement of the theory and practice of electrical and electronic engineering in the development, design, manufacture and application of electrical systems, apparatus, devices and controls to the processes and equipment of industry and commerce; the promotion of safe, reliable and economical installations; industry leadership in energy conservation and environmental health and safety issues; the creation of voluntary engineering standards and recommended practices; and the professional development of its membership.*

I hope you and your staff will take advantage of the learning opportunities that this conference presents, and we look to seeing you in Edmonton, Alberta May 6-11, 2007.

Sincerely,

D.O. Koval,  
Chairman  
2007 ICPS Conference Organizing Committee