



# IEEE Canada

## Northern Canada Section



### IEEE-NCS, IAS/PES Presents

Tuesday, January 21st, 2014, 6:00pm to 9:00pm, doors open at 5:30pm

## Medium Voltage Gas Insulated Switchgear

GOLD Guest Speaker

### Potential Contributions of Future Generation of Smart Meters to Fault Location

#### *Abstract:*

This Seminar will tell you what is Gas Insulated Switchgear. Why it is superior to Air Insulated Switchgear. Why a Gas insulated Switchgear is much smaller in size. What is SF6 Gas and why it's used in Gas Insulated switchgear. The fear of using SF6 Gas and its possibility of leakage and how harmless is SF6 Gas. A comparison of Gas Insulated verses Air Insulated Switchgear. Advantages of using Gas Insulated Switchgear. IEEE / ANSI requirements for Gas Insulated Switchgear. CSA standards for Gas Insulated Switchgear. Why SF6 gas Insulated Switchgear is widely becoming popular and the Utilities started using it. Why SF6 Switchgear is preferred in Oil & Gas, Mining and Wind Energy Projects. How earthing is achieved in a Gas Insulated Switchgear.

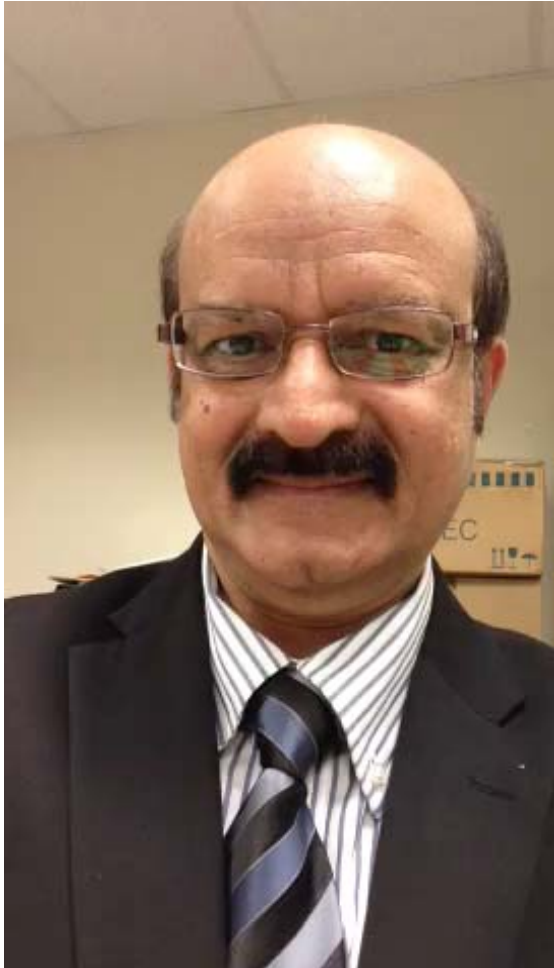


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**Speaker:** Sharif Ahmed



### Biography

**Sharif Ahmed is a Senior Manager Business Development in Siemens for Western Canada and based in Siemens Calgary office.**

He completed his Masters degree in Electrical Engineering with specialization in Power Systems from Oregon State University in Corvallis Oregon, USA. He started his career in AEG-Telefunken which was German company and a direct competitor of Siemens. After AEG he joined Pauwels International of Belgium which was one of the ten biggest manufacturers of Transformers in the world. He worked as a Resident Manager of Pauwels in the Middle East managing business in six countries. He moved to Canada and worked for VA-Tech of Austria. After this he joined General Electric. At present he works for Siemens Canada as a Senior Manager Business Development for Western Canada managing Siemens business in Alberta, British Columbia and Saskatchewan. He is a Senior Member of IEEE and a local committee member of Calgary chapter. He is also a member of CSA Standards committee. He has gone through multiple trainings in AEG-Telefunken Germany, Pauwels in Belgium, General Electric Cleveland Ohio in USA, Allan Bradley in Wisconsin USA and several trainings in Gas Insulated Switchgear in Germany. He is a Gold Medalist from the Association of Scientists and Scientific Professions and a Rotary Scholar. He has more than 25 years of experience in the Electrical Industry and has travelled to 31 different countries.



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### ***GOLD Speaker:***

**To promote the Graduates Of the Last Decade (GOLD) and the Women In Engineering (WIE) we have a 15 minute opening presentation from a GOLD & WIE Guest Speaker on “Potential Contributions of Future Generation of Smart Meters to Fault Location”**

### **Potential Contributions of Future Generation of Smart Meters to Fault Location**

The smart meters have been massively explored in the process of modernization of distribution systems and they are evolving to integrate multiple functions in a unique device. Therefore, the exploration of such technology to improve distribution system fault location may be operationally and economically viable. In this context, this work aims to investigate how downstream information provided by the smart meters may be used to support fault location in distribution systems.

### **Bio**

Fernanda C. L. Trindade received the M.Sc. and Ph.D. degrees in Electrical Engineering from the University of Campinas, Brazil, in 2009 and 2013, respectively. From 2011 to 2012, she was a Visiting Doctoral Scholar at the University of Alberta, Edmonton, AB, Canada, and currently, she is working as a Post-Doctoral Fellow at the same institution. Her research interests are power system automation, monitoring and protection.



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### **Agenda:**

Seminar Start Time: 6:00pm  
Doors Open: 5:30pm

### **Online Registration**

[https://meetings.vtools.ieee.org/meeting\\_view/list\\_meeting/22359](https://meetings.vtools.ieee.org/meeting_view/list_meeting/22359)

IEEE Members: \$20  
Non-IEEE members: \$30  
IEEE Student Members: \$10  
Non-IEEE Student: \$12.5  
IEEE Life Member: Free

### **At the door registration:**

IEEE Members: \$25  
Non-IEEE members: \$35  
IEEE Student Members: \$15  
Non-IEEE Student: \$17.5  
IEEE Life Member: Free

**\*\*\*\*Please note: Online registration closes one week before the event\*\*\*\***



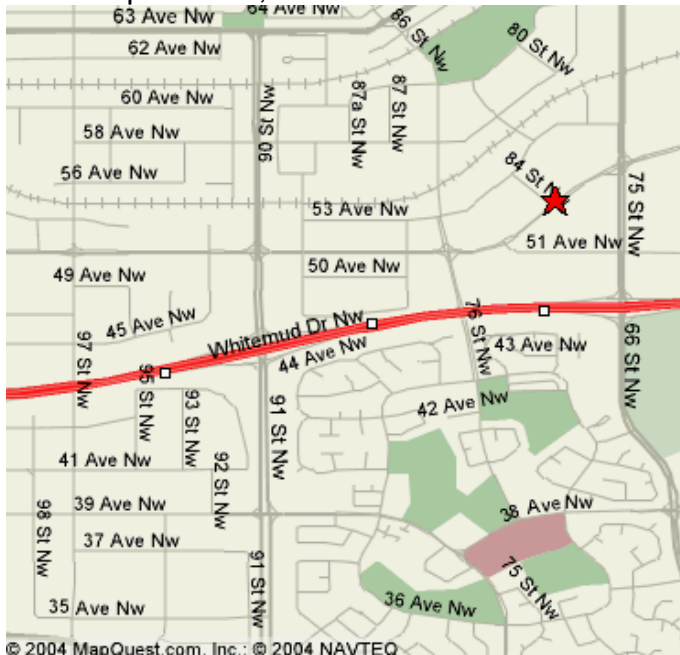
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### Location:

German Canadian Cultural Centre  
8310 Roper Road, Edmonton



For more details for the event or registration questions or concerns please contact the event coordinator Brett Matthiessen at [brett.matthiessen@atcoelectric.com](mailto:brett.matthiessen@atcoelectric.com).

Alternately, contact Peter Rothwell at [prothwell@igbtech.com](mailto:prothwell@igbtech.com).

### Event Sponsor:

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