



IEEE Canada

Northern Canada Section



IEEE-NCS, IAS/PES Presents

Tuesday, September 22nd, 2015, 5:30 to 9:00pm, doors open at 5:00pm

“Medium Voltage Distribution”

Abstract:

This Seminar will tell you about Generation, Transmission, The Voltage levels in transmission, Why higher voltages are preferred in Transmission, HVDC Transmission, The concept of Electrical Distribution, Why distribution is Medium Voltage, What is Medium Voltage, What are the advantages of using Medium-voltage Distribution, Importance of Power factor correction, The Electrical Utilities, The Utilities in Canada, A brief outlook of types of protection in Medium Voltage Distribution, The Voltage levels in Canada, What Voltage Levels are used in Alberta, The use of Transformers in Medium Voltage Distribution, Voltage ratios and the importance of Transformer Impedance, types of Switchgear and Switching Devices used in Medium Voltage Distribution.

For more details for the event or registration questions or concerns please contact Blaine Larson at blaine@altelec.net or David Roth at davidroth@siemens.com



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Biography:



Sharif Ahmed is a Senior Manager Business Development in Siemens for Canada and based in Siemens Calgary office. He is a Rotary Scholar and a Gold Medalist from Association of Scientists and Scientific professions. Recipient of Pride of Performance.

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 of USA in Canada. At present he works for Siemens Canada as a Senior Manager Business Development for Canada managing Siemens business in Alberta, British Columbia, Saskatchewan, Manitoba, Quebec and Ontario. 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, Allen Bradley in Wisconsin USA and several trainings in Gas Insulated Switchgear in Siemens German. He has more than 30 years of experience in the Electrical Industry and has travelled to 31 different countries.



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Young Professional (YP) Speaker:

To promote IEEE's Affinity Group of Young Professionals (YP) we will have a 15 minute opening presentation from an YP Guest Speaker on:

Faulted Circuit Indicators for Power Utilities Applications by Colin Madsen

Being able to identify the location of problems on the distribution system is key to maintaining a reliable power system, and faulted circuit indicators (FCIs) are one of the principal tools utilities use for this purpose. This presentation will explain the differences between electromechanical and electronic fault indicators, also comparing the applications of traditional visual fault indicators with modern remote fault indicators.

Bio:

Colin Madsen is an EIT working for ATCO Electric in their Planning Technical Support group. He joined Tactalis (a technology start-up company) in 2011 as their product manager, developing their first proof-of-concept tactile display. In 2012 he completed his B.Sc. in electrical engineering from the University of Calgary, and in 2013 he joined ATCO Electric as an EIT. While working for ATCO, Colin has held a variety of roles including Line Design, Distribution Planning, Automation, and now, Distribution Planning Technical Support. Colin has been an active member of IEEE for the last 6 years, and in 2015 he joined the Edmonton chapter as an executive member.



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Agenda:

At the Door Registration, Cash Bar Social with Appetizers:	5:00pm
Announcements	5:40 – 6:00pm
YP Speaker Presentation with Q&A:	6:00 – 6:30pm
Main Speaker Presentation with Q&A:	6:30 – 9:00pm

Online Registration (August 20th – September 15th)

<https://meetings.vtools.ieee.org/m/35660>

Registration

IEEE Members: \$25
Non-IEEE members: \$30
IEEE Student Members: \$10
Non-IEEE Student: \$12.50
IEEE Life Members: Free

At the Door Registration - (Payable by cash or cheque)

IEEE Members: \$30
Non-IEEE members: \$35
IEEE Student Members: \$15
Non-IEEE Student: \$17.50
IEEE Life Members: Free

Please have your **IEEE membership card** ready to obtain the discount.



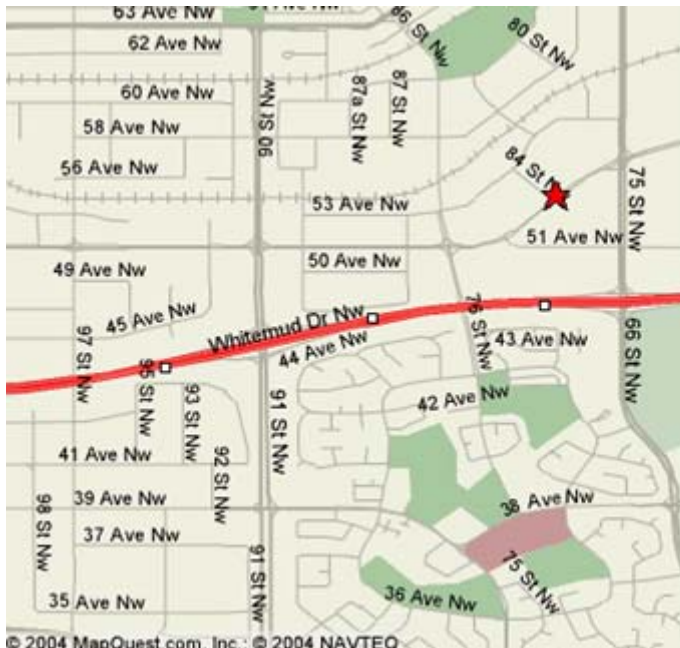
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Location:

German Canadian Cultural Centre
8310 Roper Road, Edmonton



Contact:

Blaine Larson, blaine@altelec.net
David Roth, davidroth@siemens.com

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