



Southern Alberta Section
IAS-PES Chapter



Protective Relays: Principles of Applications

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Co-sponsored by AESO

Since the inception of industrial and power distribution electrical systems, coordination tasks were performed to ensure that protection systems would operate with the necessary reliability, security and speed. Meanwhile, protective devices have also gone through significant advancements from the electromechanical devices to the multifunctional, numerical devices of present day. As the protected components of the electrical systems have changed in size, configuration and their critical roles in the power system supply, some protection aspects need to be revisited (i.e. the use of protection systems to reduce arc flash energy in distribution systems).

This presentation reviews the established principles and the advanced aspects of the selection and application of protective relays in the overall protection system, multifunctional numerical devices application for power distribution and industrial systems, and addresses some key concerns in selecting, coordinating, setting and testing of smart relays and systems.

Location: Events Center C
(University of Calgary Downtown Campus)
906 - 8th Avenue SW
Calgary, Alberta

Date: Monday, November 21, 2016

Time: 6:30PM to 8:30PM (2 hours) All times are: Canada/Mountain

Agenda:

5:30pm: Doors open
5:30pm-6:25pm Networking and Light meal
6:30pm Presentation

Register at: <https://meetings.vtools.ieee.org/m/37501>

Advance registration closes November 16.

Speaker:



Rasheek Rifaat is an IEEE Fellow – He received a B.Sc. from Cairo University in 1972 and a M.Eng. from McGill University in Montreal in 1979 in Electrical Engineering. In 1975, he worked for Union Carbide Canada Ltd. in Quebec. In 1981, he joined Monenco Consultants Limited in Calgary, Alberta, and Saskmont Engineering Limited in Regina, Saskatchewan. He has been involved in thermal power-generating plant projects with special interest in generator protection systems and power-plant systems. Since 1991, he has been working for Delta Hudson Engineering Ltd. (Now Jacobs Engineering) in Calgary. Mr. Rifaat is a registered professional engineer in three Canadian provinces. Mr. Rifaat has published more than 25 papers on cogeneration plant protection, operation and economics and he is the current Chair of the Protection & Coordination Work Group for the revision of the Buff Book into Standard 3400 Series.

Please contact Eric Yu [yu.y.h@ieee.org] if you have any problems registering for the seminar, or if you have any questions.