



Southern Alberta Section  
IAS-PES Chapter



## Project Electrical Best Practices

Tim Driscoll, OBIEC Consulting Ltd. and George Morlidge, Fluor Canada Ltd.

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Co-sponsored by AESO

The presentation will discuss some best practices from the perspective of an owner and an EPC, on today's projects with respect to electrical. Many difficulties are being encountered on today's projects, and have been for decades, especially in large projects in Alberta. In the keynote presentation by Mike McFadden of Independent Project Analysis at the 2010 IEEE ESTMP Workshop in Edmonton, he stated that the large Alberta projects were in the bottom 1/3 of comparable projects around the world (over the past decade). Has the situation improved – in the views of the authors; No. The opportunities for success on upcoming projects will be discussed including offering some best practices from both a project management and a technical basis. Although a number of issues and improvements in both areas are talked about, the focus on this presentation will be on the things that we, as electrical engineers, can control, that is the electrical areas. The discussion will cover technical items in the areas of design, equipment selection, electrical codes, variances, construction and inspection.

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

**Date:** Monday, May 25, 2015

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

**Agenda:**

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

**Register at:** <https://meetings.vtools.ieee.org/m/33709>

Advance registration closes May 20.

## Speakers:



Tim Driscoll

Tim Driscoll, F.IEEE, (BSc.'76) received his Bachelor of Science, Electrical Engineering degree in 1976 from the University of Calgary, Calgary, Alberta, Canada. Since graduation he has been employed at Shell Canada in various positions including control engineering, project management and electrical engineering. Responsibilities included electrical engineering support for all Shell Canada's facilities in the areas of operations, maintenance, safety, energy and capital projects. Currently retired from Shell, he runs a small engineering firm in Calgary, OBIEC Consulting. He has co-authored several papers and presentations at the IEEE PCIC Conference, the IEEE PCIC Europe Conference, the IEEE Electrical Safety, Technical & Mega Projects Workshop and the IEEE Electrical Safety Workshop. He is a member of the Association of Professional Engineers and Geoscientists of Alberta. He is also chair of the Canadian Electrical Code section 62 and the Technical Content Subcommittee on the CSA Objective Based Industrial Electrical Code, and participates on several other Alberta Codes, and CSA, API, IEEE and IEC standards.



George Morlidge

D. George Morlidge, P. Eng. is the Chief Electrical Engineer for Fluor Canada Ltd. He has thirty years experience in operations and consulting engineering in heavy industry in the petroleum, chemical, cogeneration, pipelines, automotive, lumber, mining and food processing sectors in both Canadian and international projects. He is a section subcommittee member for sections 2 and 10 and chairman of section 18 of the Canadian Electrical Code and a member of the Canadian Standards Association Technical Committee for Industrial Products and the Technical Committee for the Objective Based Industrial Electrical Code. He is a member and past chairman of the Energy Industry Electrical Engineers Association. He is chairman of PCIC 2017 to be held in Calgary.

Please contact Shan Pandher [shan.pandher@ieee.org] if you have any problems registering for the seminar, or if you have any questions.

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### Senior Membership drive

The IEEE Southern Alberta PES/IAS Chapter will be holding a Senior Membership drive in conjunction with the seminar.

The qualifications for IEEE Senior Grade Membership can be found here:

[http://www.ieee.org/membership\\_services/membership/senior/index.html](http://www.ieee.org/membership_services/membership/senior/index.html)

You may complete the online application form here:

[http://www.ieee.org/membership\\_services/membership/senior/application/index.html](http://www.ieee.org/membership_services/membership/senior/application/index.html)

Referees will be available at the event.