

# IEEE Southern Alberta Control Systems & Instrumentation



Next Event **Functional Safety & CSA B149.3 Compliance**

Organized By IEEE Control Systems & Instrumentation

Date Thursday, March 2nd, 2017, Start at 5:30 PM

Speakers Duane Svenson, C. Tech, FSE (TÜV Rheinland, SIS)  
B149.3 Field Evaluation Services, Program Manager, Stantec

Location 110 – 12 Ave SW, Calgary, AB  
TransAlta Building, Atrium 1

Fees Member: \$15, Non Member: \$25, Full time Student: Free

Registration [Click here to register](#)

## Abstract

In the Alberta Oil and Gas sector the 58 year old B149 series of codes has experienced a shift, with the expiration of the 13 year old Variance (VAR-GAS) towards B149.3. With a lack of consistent interpretation and clarity of the code there is still confusion in the industry on what is required to be compliant. This can lead to a prescriptive approach resulting in higher equipment costs and a system wrought with spurious trips and operability issues. By following performance based processes found in the Functional Safety world we can ensure that the safety and reliability targets are met for the burner management system and fuel train, and that the equipment continues to operate safely for the entire planned life expectancy. By examining the parallels that exist between the B149 series of codes and the IEC-61508 / IEC-61511 standards, we may find that with the correct guidance, compliance may be right at our fingertips.





## Duane Svenson, C. Tech, FSE (TÜV Rheinland, SIS), Program Manager, Stantec

Duane is the Program Manager of the Field Evaluation Services team at Stantec Consulting Ltd. With over 15 years in the Oil and Gas Industry in such roles as an Instrumentation Technician, Operations Technician and Process Controls specialist. Having attained his Functional Safety Engineering certification in Safety Instrumented Systems by TÜV Rheinland through ACM, Duane often finds himself relating his learnings to every aspect of his life, both at work and at home.



### Program for Thursday, March 2<sup>nd</sup>, 2017:

- » 5:15 Registration
- » 6:00 Introduction
- » 6:15 Presentation
- » 7:00 Break and a Quick Snack
- » 7:30 Presentation Resumes
- » 8:15 Q&A
- » 8:30 Networking
- » 9:00 Doors close

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IEEE Control Systems and Instrumentation chapter committee has opening for two new committee members. If you are interested, please contact Matt Eskandar, Chair at [matt.eskandar@mrcsi.com](mailto:matt.eskandar@mrcsi.com).

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