



ASME/ISA LI Sections Technical Meeting and Seminar

Electrical Instruments in Hazardous Locations

Shane Filer, Neal Systems Inc.

Wednesday, May 6, 2015

New York Institute of Technology
David Salten Hall, Room SC2
Old Westbury, NY 11568

6:00 PM Sign-In and Refreshments
6:30-8:30 PM Presentation

- Cost:** Attendance is free of charge for all attendees, and includes light refreshments. There is, however, a cost if you wish to obtain PDH credits. See next.
- PDH Credits:** ASME has approved this seminar for two Professional Development Hour (PDH) credits. ASME will issue a two-credit certificate to attendees who pay a processing fee of \$35. Please let us know when you register that you wish to receive the PDH credits and bring a check, made out to ASME Long Island Section, to the seminar.
- Registration:** Please register by contacting Jerry Nardiello jerry.nardiello@ngc.com. Please provide your name, daytime phone number, company and society affiliation, and whether you are applying for PDH credits.
- Map/Directions:** http://www.nyit.edu/locations/old_westbury
<http://www.nyit.edu/images/uploads/about/Map-Old-Westbury.pdf>

Program Description

- Four main hazardous area electrical protection methods:
 - Explosion Proof, Intrinsic Safety, Purging, and Non-Incendive
- Guidelines for use of each of the four major protection methods.
- Typical applications found in Hazardous Locations.
- Factors driving decisions and solutions.
- Optimizing solutions for a given applications.
- Strengths and weaknesses to be considered when designing, installing, or maintaining each system type.
- Discussion, questions and answers.

About the Speaker –Shane Filer has been involved in industrial instrumentation and automation for the past 20 years. He has written many published technical papers and spoken at numerous conferences related to process measurements in the power, pharmaceutical, and semiconductor industries. He has held various roles of engineering, marketing, product management, sales, and management related to addressing the needs of process engineers in a variety of industries. Previous companies include Leeds and Northrup (L&N) and Honeywell, and his current company is Neal Systems Inc. a Manufacturers Representative (NSI, where his current position is Sales Manager). NSI is provider of industrial instrumentation and automation products. He has been working with customers for the past 15 years regarding correctly applying methods of hazardous area electrical protection for Division 1 and Division 2 areas. Most American customers are fairly familiar with the methods of applying explosion proof (XP) solutions to hazardous area electrical needs. Shane teaches companies how to understanding and apply intrinsic safety methods, which are preferred in Europe for their overall safer solutions in some lower-voltage applications. Shane holds an electrical engineering degree from Grove City College in Western Pennsylvania. He is married with three awesome kids.