



Pittsburgh, Pa.

AICHE-Pittsburgh April Dinner Meeting

April 23, 2015

Pittsburgh Airport Marriott, 777 Aten Road, Coraopolis, PA 15108-7749

Phone (412) 788-8800



ORDERS OF MAGNITUDE: A MEANS OF UNDERSTANDING & MANAGING RISK

Industrial loss events can be catastrophic. Process risk consequences can cover a spectrum of impacts – from minimal to disastrous – and understanding the risk factors can help manage those risks. Evaluating these risks using orders of magnitude or Layer of Protection Analysis (LOPA) can help us understand risk in everyday experience and in process safety and risk management work. Join us for dinner to learn more about understanding and managing risk.

Our speaker will be Robert Johnson of Unwin Company and The Ohio State University. After earning his BS and MS in Chemical Engineering from Purdue and marrying his college sweetheart, Bob took a job at a Hercules plant that made solid rocket propellant. It was a good place to learn the technical and analytical aspects of safety. He got charged up there (literally, with a Van de Graaf generator) and gathered data for his first published paper, "Ignition of Flammable Vapors by Human Electrostatic Discharge." He then got to work in large organizations (Du Pont and Battelle) before going to the other extreme and joining a process safety consultancy in Columbus, where he is now President & CEO. Bob has spent his entire career in loss prevention engineering. He is primary author of four CCPS

books and two sections of Perry's Chemical Engineers' Handbook, and has taught AIChE Continuing Education courses on vapor release mitigation, HAZOP Studies and chemical reactivity. Bob has also been involved in academic activities, being on the CCPS SACHE committee, preparing a web-based SACHE instructional module on chemical reactivity hazards and eLearning courses on HAZOP Studies and LOPA, and teaching loss prevention topics to senior chemical engineering students at the University of Cincinnati and The Ohio State University. He is a Fellow of AIChE and past chair of AIChE's Safety & Health Division. He earned the Bill Doyle Award for best paper at the Loss Prevention Symposium, and won a contest to design a new Symposium logo. Bob and his wife Sharon have five children and two grandchildren. He enjoys being a gentleman farmer on his six-acre property outside Plain City, Ohio when he is not traveling on business or doing volunteer work as part of Wycliffe Associates. His family has taken camping vacations as far away as Alaska.

The meeting agenda is as follows:

5:30 – 6:30 PM Reception and cash bar
6:30 – 7:30 PM Dinner
7:30 – 9:00 PM Presentation and Q&A

Marriott menu:

Fresh Rolls with Butter
Mixed Garden Salad
Chicken Toscana
Roasted Redskin Potatoes
Green Beans and Baby Carrots
Coffee and Tea

Dinner registration costs are as follows:

\$40 for AIChE-Pittsburgh local section members
\$50 for those who are not members of AIChE-Pittsburgh local section
\$15 for students

No shows will be billed

All registrations will be taken on line. If you have any questions, please contact [Dorothy Buckoski@Golder.com](mailto:Dorothy_Buckoski@Golder.com).
Registration will close at midnight on Sunday, April 19, 2015.