



Mary Kay O'Connor
PROCESS SAFETY CENTER

Making safety second nature.

Safety Integrity Level Verification

November 3-4, 2009

14 PDHs/1.4 CEUs

A two-day course on the performance verification of safety instrumented functions. While the safety integrity level is an important design parameter, the spurious trip rate is also critical parameter for operational reliability. This course discusses the fundamentals of quantifying the probability of failure on demand and the spurious trip rate, including the failure rate data, key factors affecting performance, and the calculation methodology. The course presents a series of examples as workshops to illustrate the calculations.

Dr. Angela Summers is president of SIS-TECH in Houston. Dr. Summers received her Ph.D. in Chemical Engineering from the University of Alabama, Master of Engineering, Environmental Engineering, Clemson University and Bachelor of Science, Chemical Engineering, Mississippi State University. She is a licensed professional engineer in Texas and is a member of AIChE, ISA, IEC, and ANSI.

Dr. Summers has 20 years of experience in safety instrumented systems (SIS), process engineering, and environmental engineering. She is an active participant in standard's committees and has published over 50 papers on topics related to process safety and instrumented system design. She recently completed the technical editing of a new Center for Chemical Process Safety book, *Guidelines for Safe and Reliable Instrumented Protective Systems*.

Dr. Summers is widely recognized for her expertise, and was given the 2005 ISA Albert F. Sperry Award and inducted into the 2007 Process Automation Hall of Fame for her contributions to the process automation industry.

Established in 1995, the Mary Kay O'Connor Process Safety Center conducts programs and research activities that enhance safety in the chemical process industries. The center's educational activities promote safety as second nature to everyone in the industry. In addition, the center develops safer processes, equipment, procedures and management strategies to minimize losses within the processing industry.

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Register online at: <http://engrevent.tamu.edu/event/100479>

Early registration ends October 6th!

<http://process-safety.tamu.edu>