



Mary Kay O'Connor  
**PROCESS SAFETY CENTER**

*Making safety second nature.*

## **Safety Instrumented Systems Implementation**

September 21-23, 2010  
21 PDHs/2.1 CEUs

This 3-day course discusses the fundamentals of ANSI/ISA 84.00.01-2004 Parts 1-3 (IEC 61511 modified). The course content is designed to provide the student with an understanding of how to implement the requirements of the safety instrumented system (SIS) standards, to perform layers of protection analysis, to create a design to meet the safety integrity level (SIL), and to verify that the SIL has been achieved. It will also introduce the student to the guidance contained in technical report, ISA TR84.00.04, which concerns implementation of ANSI/ISA 84.00.01-2006.

**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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Early registration ends September 15<sup>th</sup>!

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