



## ■ Evaluating Control System Safety and Reliability

This course gives you qualitative and quantitative methods you can use to evaluate the safety and reliability of your control systems from relays to microprocessor-based systems, including sensors and actuators.

<b>Contents</b>	<ul style="list-style-type: none"> <li>• Safety and Reliability Evaluation</li> <li>• Rules of Probability</li> <li>• Stress-Strength</li> <li>• Safety/Reliability Terms</li> <li>• Failure Modes and Effects Analysis</li> <li>• Fault Tree Analysis</li> <li>• Reliability Block Diagram Analysis</li> <li>• Markov Models</li> <li>• Software Safety and Reliability</li> <li>• Fault Tolerance Systems</li> <li>• Safety/Reliability Checklist</li> <li>• Safety Instrumented Functions</li> </ul>	
<b>Provider</b>	Instrumentation, Systems, Automation Society 67 Alexander Drive Research Triangle Park, NC, 27709, USA Phone (919) 549-8411, Fax (919) 549-8288 email:info@isa.org, or online: www.isa.org	
<b>Application sector</b>	ANSI/ISA-84.00.01-2004 Part 1 (IEC 61511-1 Mod)	
<b>Target group</b>		
<b>Prerequisites</b>		
<b>Duration</b>	2 Days	<b>Comments</b>
<b>Seminar schedule</b>	8:00am – 4:00 pm	
<b>Number of participants</b>		
<b>Lecturer</b>		
<b>Seminar fee</b>	\$910 Members, \$995 Non-members, \$895 Group	
<b>Dates/Location</b>	<ul style="list-style-type: none"> <li>• 7/21/2005 ISA Training Institute Research Triangle Park, NC, US</li> <li>• Course is also available as onsite training</li> </ul>	
<b>Seminar descriptor</b>	ES35	