

<b>In cooperation with</b>	<b>ACM Automation Inc.</b> , CDN - <b>Bernecker + Rainer Industrie Elektronik GmbH</b> , A - <b>Embex GmbH</b> , D - <b>Endress + Hauser GmbH &amp; Co. KG</b> , D - <b>GE Fanuc Automation Solutions Europe S.A.</b> , LUX - <b>HIMA Paul Hildebrandt GmbH &amp; Co. KG</b> , D - <b>ICS Triplex Technology Ltd.</b> , UK - <b>innotec GmbH</b> , D - <b>Invensys Systems GmbH</b> , D - <b>Metso Automation</b> , Finnland - <b>Phoenix Contact GmbH &amp; Co. KG</b> , D - <b>PILZ GmbH + Co. KG</b> - <b>Rockwell Automation</b> , USA - <b>Sick AG</b> , D - <b>Siemens AG</b> , D - <b>Yokogawa</b> , Japan/NL
<b>Scope</b>	<p>In the past years, the automation industry was able to realize development opportunities and to achieve major growth, both in the national and the international arena.</p> <p>The implementation of safety-related automation applications including programmable systems is a standard in most application areas. This includes programmable controllers, field devices, bus systems and their configuration and programming by the user. The functional safety of these devices in operation has to be guaranteed for the protection and safety of persons, environment and systems.</p> <p>International standards, as for example the IEC 61508, IEC 62061, IEC 61511, IEC 61131 und EN 954/ ISO 13849 describe requirements, which have to be fulfilled during development and use of systems. The safety management of the complete life cycle of complex applications and devices is gaining more and more importance.</p> <p>The Symposium will present the state-of-the-art of safety-related applications. The accompanying exhibition will show newest developments and trends. Detailed information will be imparted in workshops concerning special topics.</p>
<b>Target Groups</b>	Manufacturers and designers of safety-related systems; integrators of safety relevant installations; operating companies; testers, experts; approval authorities.
<b>Conference Language</b>	English and German (simultaneous translation).
<b>Exhibition/ Proceedings</b>	The international symposium will be accompanied by an exhibition. The proceedings include additional scripts, which will not be presented during the Symposium.
<b>Expert in Charge</b>	Heinz Gall TÜV Rheinland Industrie Service GmbH Automation, Software and Information Technology ASI, Cologne - Germany
<b>Venue</b>	TÜV Rheinland Group - Headquarters <b>Room:</b> Rheinland Saal Am Grauen Stein 51105 Cologne - Germany
<b>Date</b>	<b>Tuesday 2nd - Wednesday 3rd of September, 2008</b> Registration: 8.00 h - Start: 9:00 h
<b>Fee</b>	<b>€ 650 plus VAT</b> <i>For early registration until August 1, 2008:</i> <b>€ 550 plus VAT</b>
<b>Information/ Registration</b>	<b>TÜV Rheinland Industrie Service GmbH</b> Automation, Software and Information Technology ASI Veronica Gras, Am Grauen Stein, D - 51105 Köln +49 221 806 - 2981 Fax +49 221 806-1539 mailto: veronica.gras@de.tuv.com

**1st DAY - Tuesday, September 2, 2008**

<b>08:00 h</b>	<b>Registration and Welcome Coffee</b>	
09:00 h	Welcoming Address	<b>Peter Tolls</b> TÜV Rheinland Industrie Service GmbH – D
09:10 h	The Challenge of Integrating Safety: It Is About Mindset	<b>Walt Boyes</b> CONTROL Magazine – USA
09:30 h	Integrated Safety & Control: What Does it Mean and What Do We Need to Know to Use it Safely?	<b>Gerry Creech</b> ICS Triplex Technology Ltd. – UK
10:00 h	DCS-SIS Integrated, Simulation and OTS (Operator Training System)	<b>Tadaaki Ando</b> Yokogawa – JPN
<b>10:30 h</b>	<b>Coffee Break</b>	
11:00 h	A Practical Selection System for Safety-Related Systems	<b>Dil Wetherill</b> GE Fanuc - UK
11:30 h	The Replacement of Process Safety Systems on Live Plant	<b>Clive Timms</b> C & C Technical Support Services - UK
12:00 h	Theoretical and Practical Aspect of High/Continuous Demand Mode Systems	<b>Dr. Issam Mukhtar</b> Invensys PCS Premier Consulting Services - AUS
12:30 h	Improved Diagnostics with Partial Stroke Test to Extend the Test Intervals of Protection / Safety Equipment	<b>Volker Hirsch</b> Siemens AG - Competence Center Chemical, Cement, Glass Industry - D
<b>13:00 h</b>	<b>Lunch</b>	
14:00 h	COTS-Software in Safety-Related Systems	<b>Jens Uwe Schuster</b> infoteam Software GmbH - D
14:30 h	Hypervisor - A Separation Concept to Achieve Adequate Independence between Safety Functions of Different SILs by Using the Virtualization Layer of Modern COTS CPUs	<b>Andreas Buchwieser, Georg Doll</b> Wind River - D
15:00 h	Improve Reliability in Safety Software	<b>Karthikeyan Nagarajan, Karthik Rajagopalan</b> Invensys Development Centre - IND
<b>15:30 h</b>	<b>Coffee Break</b>	
16:00 h	Safety in the Industry with Coded Processing	<b>Bernard Mysliwiec</b> Siemens AG - D
16:30 h	Foundation for Safety Instrumented Functions - End User Enthusiasm for the Advantages Foundation SIF Offers	<b>Bill Tatum</b> Fieldbus Foundation - USA
<b>17:00 h</b>	<b>End of 1<sup>st</sup> Day</b>	
<b>18:00 h</b>	<b>Start of Evening Program</b>	<b>End approx. 22:30 h</b>

**2nd DAY - Wednesday, September 3, 2008**

<b>08:00 h</b>	<b>Welcome Coffee</b>	
08:30 h	Certification of Safety-Related Systems according to IEC 61508	<b>Prof. Dr. Josef Börcsök</b> HIMA Paul Hildebrandt GmbH & Co. KG - D
09:00 h	Safety-Add-On - an Efficient Way to Make Development SIL-Compliant	<b>Dr. Zaijun Hu, Carlos Bilich</b> ABB Corporate Research Center - D
09:30 h	Functional Safety Management for European Power Stations	<b>Bernhard Hoffmann</b> RWE Power Aktiengesellschaft - D
10:00 h	Achieving TÜV Accredited Certification for Functional Safety Management within a Global Safety Organisation	<b>Stuart Nunns</b> ABB Ltd. - UK
<b>10:30 h</b>	<b>Coffee Break</b>	
11:00 h	Safety Combination of Mechanical and Electronic Components and Systems	<b>Dr. Peter Wratil</b> Innotec GmbH - D
11:30 h	Experiences in the Application of EN ISO 13849-1:2006 and EN/IEC 62061:2005	<b>Stephan Häb</b> TÜV Rheinland Industrie Service GmbH - D
12:00 h	Functional Safety on a Machinery Application based Perspective	<b>Haïthem Mansouri</b> Rockwell Automation - Europe, Middle East & Africa
12:30 h	New Solution for Outdoor Safety-Related Area Safeguarding	<b>Harald Schmidt</b> Sick AG - D
<b>13:00 h</b>	<b>Lunch</b>	
<b>14:00 h</b>	<b>Workshops</b>	
<b>I</b>	Standardized Safety-Related Bus Communication acc. to IEC 61784-3 with the Example of PROFISafe	<b>Wolfgang Stripf</b> Siemens AG - D
<b>II</b>	Certification of Safety-Related Components and Systems and Safety Instrumented Functions	<b>Heinz Gall</b> TÜV Rheinland Industrie Service GmbH - D
<b>III</b>	10 ways to Determine Safety Integrity Levels, Their Advantages and Disadvantages	<b>Robert Adamski</b> R A Safety Consulting - USA
<b>IV</b>	Development of the Functional Safety for ATEX-Certification	<b>Dr. Zaijun Hu, Klaus-Georg Müller, Hans-Peter Merkel</b> ABB Corporate Research Center - D
<b>V</b>	EN ISO 13849-1 and EN / IEC 62061 Safety Calculation Tool PAScal	<b>Thomas Kramer</b> PILZ GmbH + Co. KG - D
<b>16:00 h</b>	<b>End of Symposium</b>	

**Copy example**

not later than three weeks before begin of symposium to:

**TÜV Rheinland Industrie Service GmbH  
Am Grauen Stein · D-51105 Cologne / Germany**

- I will attend the  
**8<sup>th</sup> International Symposium  
„Programmable Electronic Systems in Safety-Related Applications“  
September 2 - 3, 2008 in Cologne, Germany**

Surname

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Christian name/Title

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Company

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Address

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Email

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I wish to register for

- Workshop I**
- Workshop II**
- Workshop III**
- Workshop IV**
- Workshop V**

- Evening programme and buffet dinner, September 2, 2008, 6 p.m.

- I agree to the conditions of participation.**

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Date, Signature