Target Group:

Occupational health and safety managers and experts. designers of control systems, machine/production line builders, robot system designers and any kind of engineers. Test and certification bodies concerned about the risks associated with machines.

Participation:

Participation will be free of charge. Languages: English

Registration by QR-code:



Place of the seminar:

HYATT REGENCY PUNE HOTEL & RESIDENCES Weikfield IT Park, Nagar Road Pune. India. 411014

Organized by:

ROSS CONTROLS India pvt Ltd

Sponsored by:

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The **Special Commission on Prevention** is the body of ISSA dealing with work-related risks. It has 13 international Sections as members.

The Section Machine and System Safety is committed to improving safety and health at work in the field of machine and system safety.

The mission of the Section for Electricity, Gas and **Water** is the protection of workers against electrical accidents and occupational diseases due to electricity and ionizing radiation.

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Seminar

Functional Safety and Validation

September 25th/ 26th, 2023

Pune, India

Foreword:

Considering the upcoming Omnibus Technical Regulation (OTR) the objective of the seminar is to give an overview about mandatory standards and their application. With these standards the manufacturers of machines have the basic technical regulations at their disposal. This seminar communicates to the participants the basic knowledge of these standards and their application in the industrial area. This is done also by means of practical examples. The speakers give information as experts in standardization and machinery safety.

Moderator:

Klaus-Dieter Becker, BGETEM

Speakers:

- Girish Alawe, Schmersal India Pvt. Ltd., Pune (IN)
- Amol Bari, Pilz India Pvt Ltd, Pune (IN)
- Klaus-Dieter Becker, BGETEM, Cologne (D)
- Siddesh Dalal, MACSAFE, Pune (IN)
- Otto Görnemann, Sick AG, Waldkirch (D)
- Gaurav Gore, Schmersal India Pvt. Ltd., Pune (IN)
- Jens Juehling, BGETEM, Cologne (D)
- Florian Spiteller, DKE, Frankfurt/M (D)
- Dietrich Warmbier, ROSS Controls, Ferndale, MI (USA)

Sept. 25th, 2023, Monday

08.45		
a.m.	Registration	Klaus-
00.45		Dieter
09.15	Welcome Address	Becker
a.m.	O a series de BIO O a serie	
09:30 am	Opening by BIS Guest General information about	
alli	OTR and MED40	
	OTT and WEB+0	
10:00	Upcoming Omnibus	Girish
am	Technical Regulation	Alawe
	(OTR) on Machinery Safety	
40.1-	in India	
10:45	Risk Assessment according	Siddesh
am	to ISO 12100	Dalal
11.30	Information on ISO 13849-1	Klaus-
a.m.	"Safety of Machinery –	Dieter
	safety-related part of	Becker
	control systems;	
	part 1: general principles	
4.00	for design"	
1:00	Invitation to lunch	
p.m. 2.00	Fluid power safety	Dietrich
p.m.	l luid power salety	Warmbier
3.00	E-stop (ISO 13850) and	Otto
p.m.	two-hand-control devices	Görnemann
'	(ISO 13851)	
3:45	Information about the IEC	Jens
p.m.	60204-1	Jühling
4.30	Cyber security in Industrial	Florian
p.m.	Automation – Standards &	Spiteller
	pragmatic approach	
5.15	end	
p.m.		

Sept. 26th, 2023 Tuesday

9:00 a.m.	Changes in Functional Safety Standard ISO 13849-1	Amol Bari
10:00 a.m.	Validation of ISO 13849-2	Klaus-Dieter Becker
10:45 a.m.	Break	
11:15	Machine Guarding as per BIS & ISO standard	Gaurav Gore
12.15 a.m.	Practical application of machinery safety standards. Example: industrial robot systems – ISO 10218-2	Otto Görnemann
13:00 a.m.	Final discussion and conclusion	
13:15 p.m.	Invitation to Lunch	