

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:

Hotel Leroy Grand
#44/1-3, Industrial suburb, Opp. Vaishnavi Mall,
Yeshwanthpur, Tumkur main road,
Bengaluru- 560022

Organized by:

ROSS CONTROLS India pvt Ltd

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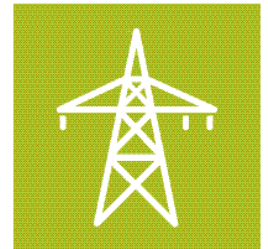
ISSA was founded 1927 with its headquarters in Geneva. Today it is active in 153 countries with 333 member institutions worldwide.

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 27th/ 28th,
2023

Bangalore, 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:

- Klaus-Dieter Becker, BGETEM, Cologne (D)
- Siddesh Dalal, MACSAFE, Pune (IN)
- Jens Juehling, BGETEM, Cologne (D)
- Abhijit Kulkarni, Pilz India Pvt Ltd, Pune (IN)
- Florian Spiteller, DKE, Frankfurt/M (D)
- Prakash K., Schmersal India Pvt. Ltd., Pune (IN)
- Otto Gornemann, Sick AG, Waldkirch (D)
- Gobinath R., Schmersal India Pvt. Ltd., Pune (IN)
- Dietrich Warmbier, ROSS Controls, Ferndale, MI (USA)

Sept. 27th, 2023, Wednesday

08.45 a.m.	Registration	Klaus-Dieter Becker
09.15 a.m.	Welcome Address	
09:30 am	Opening by BIS Guest General information about OTR and MED40	
10:00 am	Upcoming Omnibus Technical Regulation (OTR) on Machinery Safety in India	Prakash K.
10:45 am	Risk Assessment according to ISO 12100	Siddesh Dalal
11.30 a.m.	Information on ISO 13849-1 „Safety of Machinery – safety-related part of control systems; part 1: general principles for design“	Klaus-Dieter Becker
1:00 p.m.	Invitation to lunch	
2.00 p.m.	Fluid power safety	Dietrich Warmbier
3.00 p.m.	E-stop (ISO 13850) and two-hand-control devices (ISO 13851)	Otto Gornemann
3:45 p.m.	Information about the IEC 60204-1	Jens Juehling
4.30 p.m.	Cyber security in Industrial Automation – Standards & pragmatic approach	Florian Spiteller
5.15 p.m.	end	

Sept. 28th, 2023, Thursday

9:00 a.m.	Changes in Functional Safety Standard ISO 13849-1	Abhijit Kulkarni
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	Gobinath R.
12.15 a.m.	Practical application of machinery safety standards. Example: industrial robot systems – ISO 10218-2	Otto Gornemann
13:00 a.m.	Final discussion and conclusion	
13:15 p.m.	Invitation to Lunch	