

WORKSHOP CHARGES

BASIC CHARGES

- WORKSHOP-I Rs. 30,000/- Per Participant
- WORKSHOP-II & III Rs. 15,000/- Per Participant

SPECIAL DISCOUNT (For Workshop II & III only)

- 10% for more than 2 participants from one organization.
- 25% for ISA Members and ACADEMIC INSTITUTIONS.

CONTACT PERSONS

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ISA (D) EXPO 2007

A TOTAL TECHNOLOGY EXPOSURE

In Partnership with

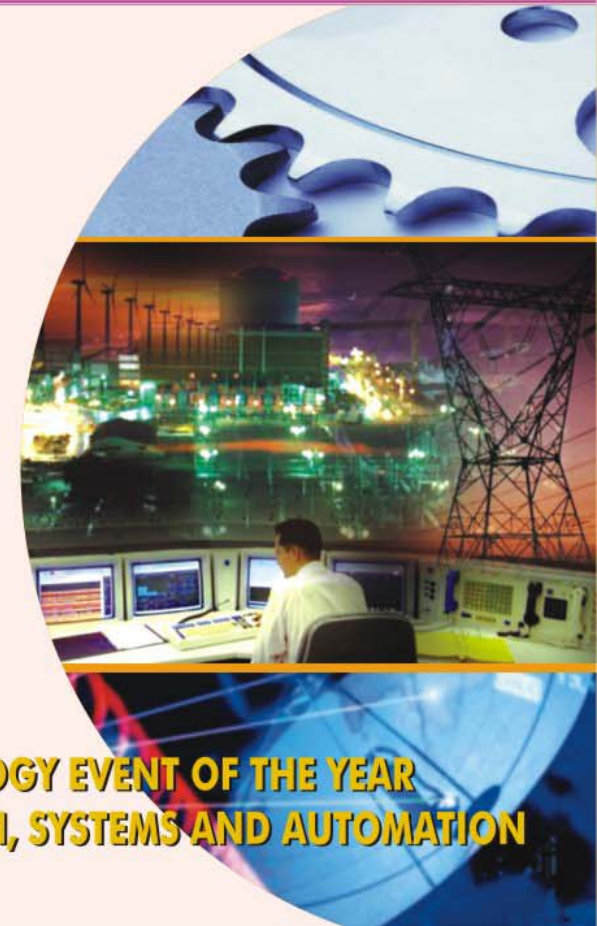
Confederation of Indian Industry

30th November - 2nd December, 2007
Hall No. 7, Pragati Maidan, New Delhi

WORKSHOP GUIDE

**TECHNOLOGY TO
ITS LIMIT**

**A TECHNOLOGY EVENT OF THE YEAR
INSTRUMENTATION, SYSTEMS AND AUTOMATION**



WORK SHOP - I

EVALUATION AND VALIDATION OF SAFETY INSTRUMENTED SYSTEMS AS PER IEC- 61508/ 61511 (A CERTIFIED PROGRAM)

Instructor - Dr. Bert Knegtering
Honeywell Safety Management Systems
The Netherlands

ABOUT THE WORKSHOP

This workshop is a certified training program which is being conducted by internationally known expert Dr. Bert Knegtering who is a TUV Rheinland and TUV Sud Certified Functional Safety Expert (CFSE) and member of Technical Advisory Board for process industries of CFSE Organization.

This four (4) day long workshop (from 30th Nov- 3rd Dec, 2007) shall cover IEC- 61508/ 61511 standard in detail including:

- Risk Analysis and SIL Classification
- Safety Requirement Specifications
- Reliability Analysis Techniques
- SIS Design Concepts
- FMEA and Markov Presentation
- Reliability Data Collection and Data Bases
- SIL Validation Techniques

The performance of the participants shall be evaluated on the conclusion of this workshop and the successful participants shall be issued CFSE Certificates.

WHO SHOULD ATTEND

This workshop has been designed to provide complete information on IEC- 61508/ 61511 and their applications in Industry and shall provide a unique opportunity to instrumentation/ process/ operation/ safety personnel in understanding safety requirements in process plants. Being a certified course, the successful participants shall be honoured with CFSE Certificate issued on behalf of TUV. This workshop is highly recommended for professionals engaged in consultancy, detailed engineering, plant operation, and process and safety designers.

WORK SHOP II

FOUNDATION FIELD BUS - BEST PRACTICES AND CONCEPT TO COMMISSIONING FUNDAMENTALS

Instructors - Mr. Ian Verhappen, MTL
&
Mr. Augusto Pereira, MTL

ABOUT THE WORKSHOP

This two days long work shop (30th Nov-1st Dec,2007) shall be conducted by two internationally known system professionals with extensive foundation fieldbus application development and installation experience . This work shop shall cover the following in details:

- Introduction to field bus technology
- Foundation fieldbus topology
- Field bus in hazardous area concepts, types, and requirements (entity/FISCO/FNICO)

- Fieldbus power supplies
- System integration and testing requirements
- Performance evaluation techniques
- Site installation, testing and pre commissioning
- Fieldbus cabling
- Fieldbus power supplies
- System commissioning
- Operators , trouble shooting, tuning of loops and documentation

On the conclusion of this workshop each participant shall be honoured with a certificate from ISA (D) duly authenticated by the workshop instructor/instructors for attending this workshop.

WHO SHOULD ATTEND

This workshop has been designed to provide complete information related to foundation fieldbus technology and shall essentially cover standard and best practices used while implementing fieldbus project. This workshop shall provide a unique opportunity to instrumentation / process/ marketing engineers and highly recommended for professionals engaged in design/ consultancy/detailed engineering/operations/marketing and contracting companies.

WORK SHOP III

ANALYSERS AND ANALYSER SYSTEMS FROM CONCEPT TO COMMISSIONING

Instructors - Mr. Andreas Udvard - Siemens
Mr. Robert wright - Thermo process
Mr. Mike Landers - Thero process
Mr. Gregory Shashnov, Modcon
Mr. Mukesh Thakur

ABOUT THE WORKSHOP

This two days long workshop (30th Nov - 1st Dec, 2007) shall be conducted by internationally renowned analyser specialists with extensive analyses and analyzer system experience. This work shop shall cover the following in detail.

- Online analysers- Fundamentals and Advanced Techniques
- Process gas chromatograph
- Online mass- spectrometer
- Process Analysers sulphur measurement, trace oxygen analysers, thermal conductivity analysers etc.
- Critical success factors in process technology
- Analyser maintenance and trouble shootings

On the conclusion of the workshop, each participant shall be honoured with a certificate from ISA(D) duly authorised by the experts for attending the workshop.

WHO SHOULD ATTEND

This workshop has been designed to provide complete information as various standards and their applicability on-line analyser. This work shop shall provide a unique opportunity to Instrumentation / process / marketing personnel and is highly recommended for professionals engaged in design, consultancy, detailed engineering, operating, marketing and contracting.