



# PROCESS Automation, Instrumentation and Control Expo 2011

24-26 May 2011  
Hall 5, JHB Expo Centre (NASREC)  
09:00 - 16:00 daily

TUESDAY, 24 MAY 2011

TIME	COMPANY	TRAINING ROOM	TOPIC
09:00 - 10:00	YOKOGAWA	A	Pressure - using differential pressure techniques for accurate repeatable measurement
09:00 - 09:45	SIEMENS	F	Gas Analysis - Presenter: Adriaan Stander
09:00 - 10:00	ENDRESS & HAUSER	B	Plant Performance Management
09:00 - 10:00	KROHNE	C	In-depth look at ultrasonic flow metering techniques, the difference between Doppler and Transit Time ultrasonic meters and the difference between wetted type vs. clamp-on type meters.
09:00 - 10:00	FOUNDATION FIELDBUS	D	Key features of the Foundation Fieldbus technology and its present status
09:00 - 10:00	COMTEST	E	Calibration of Platinum Resistance Thermometers
09:45 - 10:30	SIEMENS	F	Pressure & Temperature Measurement - Presenter: Kavi Naicker
10:30 - 11:15	SIEMENS	F	RADAR LEVEL MEASUREMENT LR560 - Presenter: Greg Smook
10:30 - 11:30	YOKOGAWA	A	SCADA - The latest systems enable a new and innovative approach to remote engineering and maintenance, deploying process applications & monitoring via web-based services
10:30 - 11:30	ENDRESS & HAUSER	B	Does precise level measurement exist?
10:30 - 11:30	HONEYWELL	C	Provides participants with a full understanding of a system network hierarchy & the given multiple business/process applications components that reside on each network layer
10:30 - 11:30	PROFIBUS	D	Functions of Profibus and hands on diagnosing of the different Profibus faults using a variety of Profibus tools
10:30 - 13:00	CBI	E	Reduce costs significantly in your automation projects, with the Mitsubishi Adroit Process Suite (MAPS)
11:15 - 12:00	SIEMENS	F	Magnetic Flow Measurement - Presenter: H O de Villiers
12:00 - 13:00	YOKOGAWA	A	Flow - AC vs DC excitation for best measurement results
12:00 - 13:00	ENDRESS & HAUSER	B	Are you getting the accuracy that you paid for with your current installed flowmeters?
12:00 - 13:00	MICROSEP	C	Intelligent Process Analytical Solutions - One Step Ahead of Sensor Maintenance with ISM Technology (Intelligent Sensor Management)
12:00 - 13:00	BLM SOFTWARE	D	Computer Aided Engineering: A hands-on workshop on efficiently creating documentation required in the process industry.
12:00 - 13:00	BLM SOFTWARE	D	Starting from an instrument list we will illustrate the workflow of creating Loop Drawings, Cable
14:00 - 15:00	YOKOGAWA	A	Safety Excellence in Operations - Developing a plant-wide alarm philosophy; the EEMUA 191 guidelines and safety commitment; alarm management, rationalisation and reporting, sequence of events reporting, safety monitoring & reporting.
14:00 - 15:00	ENDRESS & HAUSER	B	Introduction to Plant Asset Management using FDT/DTM framework technology
14:00 - 15:00	PHOENIX CONTACT	C	Intrinsically Safety and Systems.
14:00 - 15:00	FESTO DIDACTIC	D	Flow, Level, Pressure, Temperature including TC & RTD's, Control Valves + Actuators and Positioners
14:00 - 15:00	RITTAL	E	Coping with heat loads within Automation installations.
14:00 - 15:00	INSTROTECH	F	Weighing (Electronics and Load Cells): The use of load cells for process control and factory management. We will show you how to select, install and use load cells in conjunction with SCADA systems for complete factory management.
15:30 - 16:30	YOKOGAWA	A	Liquid Analysis - Next Generation 2-Wire pH/ORP analysis
15:30 - 16:30	ENDRESS & HAUSER	B	Wireless Technology quo vadis - where to now?
15:30 - 16:30	PHOENIX CONTACT	C	Wireless Technology
15:30 - 16:30	SEW EURODRIVE SA	D	Energy Efficient Automation



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WEDNESDAY, 25 MAY 2011

TIME	COMPANY	TRAINING ROOM	TOPIC
09:00 - 09:45	SIEMENS	F	Gas Analysis - Presenter: Adriaan Stander
09:00 - 10:00	YOKOGAWA	A	Pressure - advantages of ISA 100 WIRELESS Technology
09:00 - 10:00	ENDRESS & HAUSER	B	Flow - Are you getting the accuracy you paid for with your current installed flowmeters?
09:00 - 10:00	PROFIBUS	D	Functions of Profibus and hands on diagnosing of the different Profibus faults using a variety of Profibus tools
09:00 - 10:00	MECOSA	E	PH Measurement in the Process Industry
09:00 - 10:00	KROHNE	C	In-depth look at ultrasonic flow metering techniques, the difference between Doppler and Transit Time ultrasonic meters and the difference between wetted type vs. clamp-on type meters.
09:45 - 10:30	SIEMENS	F	Weighing Technology - Presenter: Kavi Naicker
10:30 - 11:15	SIEMENS	F	RADAR LEVEL MEASUREMENT LR560 - Presenter: Greg Smook
10:30 - 11:30	YOKOGAWA	A	SCADA - high-level system integration capabilities facilitate evermore intuitive and advanced system deployment, significantly reducing costs
10:30 - 11:30	ENDRESS & HAUSER	B	Introduction to Plant Asset Management using FDT/DTM framework technology
10:30 - 11:30	HONEYWELL	C	Provides participants with a full understanding of a system network hierarchy & the given multiple business/process applications components that reside on each network layer
10:30 - 11:30	EXTECH	D	Cyber Security is an increasingly important component within today's process control market. We will answer the the questions, "Why, how and what do I need to implement a Network Security Strategy?"
10:30 - 11:30	MECOSA	E	Turbidity and Colour Measurement in fluids
11:15 - 12:00	SIEMENS	F	Mass flow Measurement - Presenter: H O de Villiers
12:00 - 13:00	YOKOGAWA	A	Flow - Coriolis different measurement techniques and applications
12:00 - 13:00	ENDRESS & HAUSER	B	Energy Monitoring and Targeting. Discover the potential cost savings in your plant
12:00 - 13:00	ADROIT	C	SCADA Intelligence: Real world data will be shown and then analysed. A demonstration will then be shown.
12:00 - 13:00	FOUNDATION FIELDBUS	D	Key features if the Foundation Fieldbus technology and its present status
12:00 - 13:00	MECOSA	E	Nuclear Level Measurement Principles
14:00 - 15:00	YOKOGAWA	A	Breaking the barriers to Business Information flow and Production Execution ISA - 95 as a framework for continuous improvement ; solutions and Real Time Production Organiser for Adaptive manufacturing.
14:00 - 15:00	ENDRESS & HAUSER	B	Wireless Technology quo vadis - where to now?
14:00 - 15:00	ADROIT	C	SCADA Intelligence: Real world data will be shown and then analysed. A demonstration will then be shown.
14:00 - 15:00	FESTO DIDACTIC	D	Flow, Level, Pressure, Temperature including TC & RTD's, Control Valves + Actuators and Positioners
14:00 - 15:00	RITTAL	E	Coping with heat loads within Automation installations.
14:00 - 15:00	INSTROTECH	F	Process Calibrators: This course will teach you the use of process calibrators for analogue circuit measurement, sourcing and simulation.
15:30 - 16:30	YOKOGAWA	A	Gas Analysis - Oxygen measurement techniques & applications.
15:30 - 16:30	ENDRESS & HAUSER	B	Take the guess work out of analytical sensor commissioning with digital sensors
15:30 - 16:30	DESSOFT	C	Asset Management
15:30 - 16:30	SEW EURODRIVE SA	D	Energy Efficient Automation



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THURSDAY, 26 MAY 2011

TIME	COMPANY	TRAINING ROOM	TOPIC
09:00 - 10:00	YOKOGAWA	A	Pressure - cost saving using multi-sensing technology
09:00 - 10:00	ENDRESS & HAUSER	B	Wireless Technology quo vadis - where to now?
09:00 - 10:00	FOUNDATION FIELDBUS	D	Key features of the Foundation Fieldbus technology and its present status
09:00 - 10:00	SCHNEIDER ELECTRIC	E	High Performance Integrated Solutions for the Water Industry
09:00 - 10:00	SIEMENS	F	Gas Analysis - Presenter: Adriaan Stander
09:00 - 10:00	KROHNE	C	In-depth look at ultrasonic flow metering techniques, the difference between Doppler and Transit Time ultrasonic meters and the difference between wetted type vs. clamp-on type meters.
09:45 - 10:30	SIEMENS	F	Positioners for valves - Presenter: Kavi Naicker
10:30 - 11:15	SIEMENS	F	RADAR LEVEL MEASUREMENT LR560 - Presenter: Greg Smook
10:30 - 11:30	YOKOGAWA	A	SCADA - latest technologies and web-based architecture for management and maintenance personnel providing easy and secure access to their assets
10:30 - 11:30	ENDRESS & HAUSER	B	Take the guess work out of analytical sensor commissioning with digital sensors
10:30 - 11:30	HONEYWELL	C	Provides participants with a full understanding of a system network hierarchy & the given multiple business/process applications components that reside on each network layer
10:30 - 11:30	EXTECH	D	Taking a look at the origins and principles of Intrinsic Safety, including hazardous area zoning and the implications for dusts. We will then examine and compare the use of zener barriers and galvanic isolators including how loop approvals are done and how cable lengths are calculated
10:30 - 11:30	SCHNEIDER ELECTRIC	E	We deliver value for our Mining customers managing their most important Process variable - Energy
11:15 - 12:00	SIEMENS	F	Clamp-on Flow Measurement - Presenter: H O de Villiers
12:00 - 13:00	YOKOGAWA	A	Flow - multi variable transmitter technology
12:00 - 13:00	ENDRESS & HAUSER	B	Radiometric - unlock the hidden potential
12:00 - 13:00	MICROSEP	C	Intelligent Process Analytical Solutions - One Step Ahead of Sensor Maintenance with ISM Technology (Intelligent Sensor Management)
12:00 - 13:00	PROFIBUS	D	Explanation on how PROFIBUS functions giving trainees the opportunity to diagnose different PROFIBUS faults using a variety of PROFIBUS diagnostic tools, focusing on practically teaching people how to diagnose and fix PROFIBUS errors.
12:00 - 13:00	SCHNEIDER ELECTRIC	E	Healthy Food for more people using less energy
14:00 - 15:00	YOKOGAWA	A	Production Management Solutions- Agile production and operations using KPI metrics based analysis for continuous improvement
14:00 - 15:00	ENDRESS & HAUSER	B	Energy Monitoring and Targeting - Discover the potential cost savings in your plant
14:00 - 15:00	EXTECH	C	Cyber Security is an increasingly important component within today's process control market. We will answer the the questions, "Why, how and what do I need to implement a Network Security Strategy?"
14:00 - 15:00	FESTO DIDACTIC	D	Flow, Level, Pressure, Temperature including TC & RTD's, Control Valves + Actuators and Positioners
14:00 - 15:00	RITTAL	E	Coping with heat loads within Automation installations.
14:00 - 15:00	COMTEST	F	The Digital approach to pressure calibration.
15:30 - 16:30	YOKOGAWA	A	Tunable Diode Laser analysis for gas applications
15:30 - 16:30	ENDRESS & HAUSER	B	Introduction to Plant Asset Management using FDT/DTM framework technology
15:30 - 16:30	SEW EURODRIVE SA	D	Energy Efficient Automation