

ISA-POWID-INDIA Apr'09

Venue:-New Delhi at India Habitat centre

Dates :-24-25 Apr-09

Programme Coverage:-

- User forums in term of problem discussions
- Power plant systems/sub systems suppliers forum
- Case study presentation by users and suppliers
- Presentation of selected invited papers from last year POWID's
- Power Quiz for professional /students
- Panel discussions
- Conferring life time achievement award for distinguished services in power sector control & instrumentation

Programme outline;-

- ❖ **Plant Performance Optimization and Enterprise solutions**
 - Bench-marking, Identifications of deliverables, Audit procedures, Availability of Equipment
 - Enterprise management solution -integrating sensor to board room, Dash board of key performance indicators(KPI),
- ❖ **Innovate for Tomorrow - Emerging Technologies-**
 - Managing information explosion
 - Challenges of adaptable and effective expert systems
 - New and futuristic technologies
- ❖ **Field Instrumentation -Issues and challenges in the context of present business scenario**
- ❖ **Project Management, Operation and Maintenance (O&M) & Renovation and modernization (R&M)**
 - Benchmarking and adopting best practices of project management
 - Optimization of automation systems based on ROI. Risk based maintenance, asset management system and reliability centered maintenance through automation strategies
 - Addressing obsolescence-maintainability, Legacy systems to open architecture, scalability, Upgradeability, Interoperability and Life expectancy of the automation systems,
- ❖ **Environment, Comprehensive security of power plants, Skills development)**
 - Strategies and solutions for control and monitoring pollutants in flue gas and waste water, Ambient air monitoring solutions
 - Security concerns in integration of Plant controls with Enterprise systems, Technologies and solutions for surveillance and monitoring of critical plant assets
 - Efficacy of training simulators, operator trainings for full system utilization, Deployment of concurrent training simulator with control system for continuous improvement
- ❖ **Program for students**

Detailed Programme outline:-

Day-1

Registration:-09:00 A.M to 10:00 A.M. (08:30)

Inauguration:-10:00 to 11:00

- **Welcome address on behalf of ISA Delhi- 10:00-10:05**
- **Lighting of Lamp10:05-10:10**
- **ISA Delhi CD 10:10-10:15**
- **Key Note address-Technology expert 10-15- 10:45**
- **Inaugural address-Chief Guest 10-45-11:00**
- **Formal Vote of thanks 11-00-11:05**

Tea Break 11:05 to 11:30

■ **Technical session-1 11:30 to 01:00**

❖ **Plant Performance Optimization and Enterprise solutions**

- Bench-marking, Identifications of deliverables, sensor validation/data reconciliation, Audit procedures, Availability of Equipment data from OEM
- Enterprise management solution-integrating sensor to board room, Dash board of key performance indicators(KPI), Issues with integrating the Control systems with Enterprise systems

■ **Technical session-2 2:00 to 03:30**

❖ **Innovate for Tomorrow - Emerging Technologies-**

- Field bus and Wireless- Trend analysis and technology forecasting ,
- Managing information explosion
- Challenges of adaptable and effective expert systems
- New measurement techniques
- Other futuristic technologies like Nano, organic LED

■ **Technical session-3 4:00 to 05:30**

❖ **Field Instrumentation -Issues and challenges**

- Installation, commissioning, operation and maintenance of field instruments
- Field cables for instruments and communication cables including fibre optic and other special cables- Issues with selection, quality, laying, termination and standardization
- Bus compatible instrumentation - Interoperability, diagnostics, scalability

End of Day-1

Day-2

■ Technical session-5 09:30 to 11:00

■ Partnering for progress-1:-Project Management ,Operation and Maintenance (O&M)& Renovation and modernization (R&M) –

- Benchmarking of project deliverables
- Adopting best practices of project management
- Optimized specification for automation systems-Computing ROI (return on investment) on quantum of automation
- Standardization in automation solution
- Integrated and uniform automation platform.
- Open architecture in control system
- Predictive maintenance through on line diagnostics,
- Facilitate the risk based maintenance, asset management system and reliability centered maintenance through automation strategies
- Addressing obsolescence-maintainability, challenges to migrate from legacy systems to open architecture, scalability, Upgradeability, Interoperability and Life expectancy of the automation systems,

Tea Break 11:00-11:30

■ Technical session-6 11:30 to 01:00

■ Partnering for progress-2:-Environment, Comprehensive security of power plants, Skills development)

- Strategies and solutions for control and monitoring pollutants in flue gas and waste water, Ambient air monitoring solutions
- Security concerns in integration of Plant controls with Enterprise systems, Technologies and solutions for surveillance and monitoring of critical plant assets
- Efficacy of training simulators, operator trainings for full system utilization, Deployment of concurrent training simulator with control system for continuous improvement
- Integrated and uniform platform, uniform HMI across the whole fleet of generating fleet
- Operator training for system utilization, (Concurrent with operation, operator PMS).

■ Power –Quiz-3 2:00 to 03:00

Tea Break 03:00-03:30

■ Back to the board room- 03:30-4:30 Panel Discussion-Road map for the Future

■ Valedictory session (Awards and Honors) 04-30 to 5:00

