

ISA Transactions Reviewer Expertise Form
ISA: The International Society for Measurement and Control

Name:	Job Title:
Company:	Address:
Phone:	
Fax:	
e-mail:	
Educ: HS Assoc BS/BA MS PhD/DE	Orientation: Theory Practice Both

Please check items that reflect your interest or expertise.

Sensors

- Classical F,T,P
- Analyzers
- Calibration/Policy
- Inferential/Soft/Virtual
- Intelligent
- * _____

Signal Transmission

- Classical i,p
- Optical fiber
- IR/microwave
- Status information
- * _____

Data Processing

- Filtering
- Reconciliation
- Fault/Analysis
- Forecasting
- Data Compression
- Information Technology
- * _____

Continuous Control

- Classical
- Modern Linear
- MPC
- Nonlinear
- Adaptive
- Robust
- Start-up/Shut down
- DOF/Constraints
- Fuzzy/Expert
- * _____

Batch Manufacturing Control

- Recipe Generation
- Adaptive
- Feedback
- SPC/SQC
- Optimization
- Sequencing/Scheduling
- * _____

Tuning

- Objectives
- Heuristic Methods
- Automated
- * _____

Control System Management

- Performance Evaluation
- Interface/Connectability
- Goodness Monitoring
- Plant-wide
- SPC/SQC
- Strategy
- Alarm Management
- Fault Tolerance
- Event Trapping
- * _____

Human Issues

- Man-Machine Interface
- Training/Education
- Sustainable Technology
- System Management
- Continuous Improvement
- * _____

Techniques

- Optimization
- Statistical
- ODE/PDE
- Linear
- Numerical
- Neural Network
- AI/ES/Fuzzy
- * _____

Modeling

- First-Principles
- Response Surface
- Neural Networks
- Simulation
- Validation
- * _____

Software

- Operating Systems
- Communications
- Reliability
- Documentation
- Maintenance
- Design/Structure
- Validation
- * _____

Hardware

- Distributed Control Systems
- Computers (personal, mini,...)
- PLC's
- System Architecture/Interfacing
- Smart Sensors/Field intelligence
- Valves
- Drives
- * _____

Unit Operations

- Water/Waste Treatment
- Batch Processing
- Distillation
- Solid/Fluid Separation Proc.
- Automation/Robotics/Vision
- Boiler/Furnance
- Heat Exchanger/Fluid Flow
- Power Gen./Cogen.
- Motor/Turbine/Drives
- Dryers/Kilns
- HVAC
- Reactor
- Neuralization/pH
- Mixing/Blending
- Pump/Fan/Compressors
- Grinding/Crushing
- Flight
- Edge Tracking/Guiding
- * _____

Industry

- Petrochem/Refining
- Plastics/Films/Fibers
- Chemical/Hydrocarbons
- Pulp & Paper Processes
- Aero-Space
- Food
- Specialty Chemical/Latex
- Pharmaceutical
- Glass & Ceramics
- Ore/Metal Refining/Treating
- Cement
- Semiconductors
- Ammonia/Urea/Fertilizer
- Natural Gas Processing
- Distribution (gas/water/elect)
- Polymer/Rubber
- Air Separation
- Mining/Production
- Utility/Electric
- Manufacturing
- Printing
- Bio
- * _____

Return to R. Russell Rhinehart
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