

May 1, 2014

4:00 pm  
Door Prizes!



Accelerate  
Expansion and  
Improvement of  
Manufacturing and  
Engineering  
Capabilities

# 8<sup>th</sup> eChemExpo Solutions Marketplace

## 6<sup>th</sup> Technology Innovations Conference

Meadowview Convention Center, Kingsport TN  
**Emerging in 2014 as the #1 process industry event,  
for applied innovation at the plant level, in the Americas!**

### AGENDA *at a* GLANCE

7:30 am

Registration Opens

*"Accelerate Expansion and Improvement of Manufacturing and Engineering Capabilities"*

8:30 am - 9:45 am  
**KEYNOTE**

#### **Industrial Perspectives:**



**Cari Parker**  
Vice President,  
Corporate Technology,  
Eastman Chemical Company



**Ronald K. Dailey**  
Director of Engineering,  
Nuclear Fuel Services



**Bryan Suggs**  
Director of Global Procurement  
for Capital, Sourcing & Contracts,  
Eastman Chemical Company



**Jeff Pierson**  
Director of Engineering,  
BAE Systems



**Thomas Kastenberger**  
Head of Engineering,  
Wacker Polysilicon

#### **Supplier Perspectives (Gold Sponsors):**

· Emerson Process Management · Teikoku USA · RedGuard · Johnson Controls

#### **Innovation Snapshots (Silver Sponsor):**

· Xytel · Bentley Systems · Samson Controls · Endress+Hauser  
· AMACS Process Tower Internals · Rain for Rent · PAS

10:00 am - 4:15 pm  
**EXPOSITION**

### 8<sup>th</sup> eChemExpo Solutions Marketplace

**Over 150 solutions providers representing hundreds of products & services to improve:**

· Rapid Execution · Capital Intensity · Capability Enhancement  
· Energy Efficiency · Sustainable Development

10:15 am - 4:00 pm  
**CONFERENCE**

**42 PDH accredited "Meet the Experts" style seminars in four tracks:** *(see back for complete listing)*

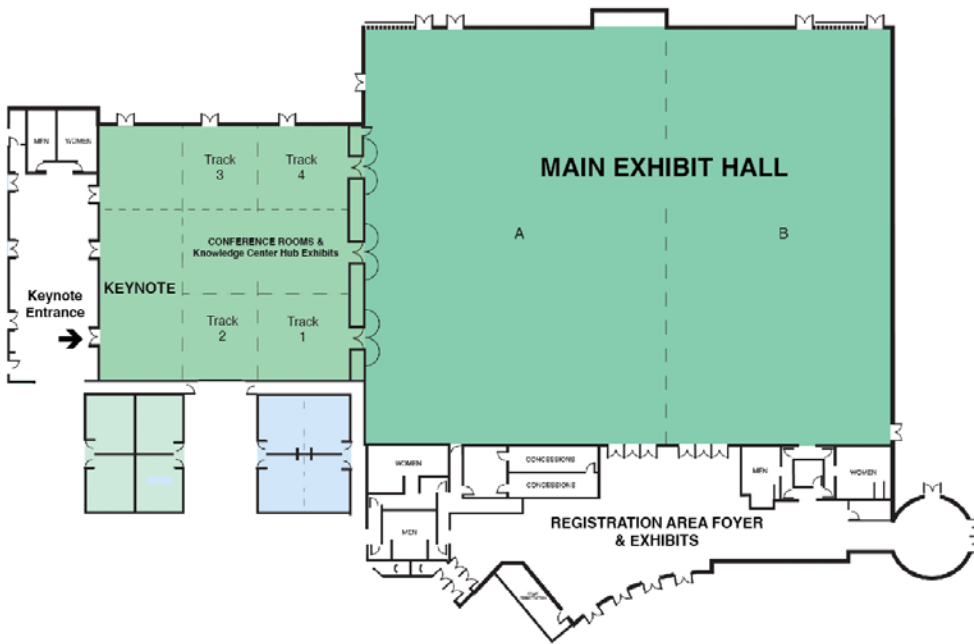
· Process, Mechanical and Advanced Heat Transfer  
· Wastewater, Environment and Corrosion Management  
· Plant Reliability, Energy Efficiency and Modular Design  
· Wireless, Instrumentation, Safety Systems and Modeling

#### **Concurrent Featured Sessions:**

· *Industry Panel on Sustainability and Energy Efficiency* (sponsored by AEE)  
· *Reliability Metrics, Trends and Viewpoints* (sponsored by the UT Reliability & Maintainability Center)  
· *Best Applications for Wireless in Process Manufacturing* (sponsored by ISA 100 Wireless Compliance Institute)

12:20 pm - 12:50 pm



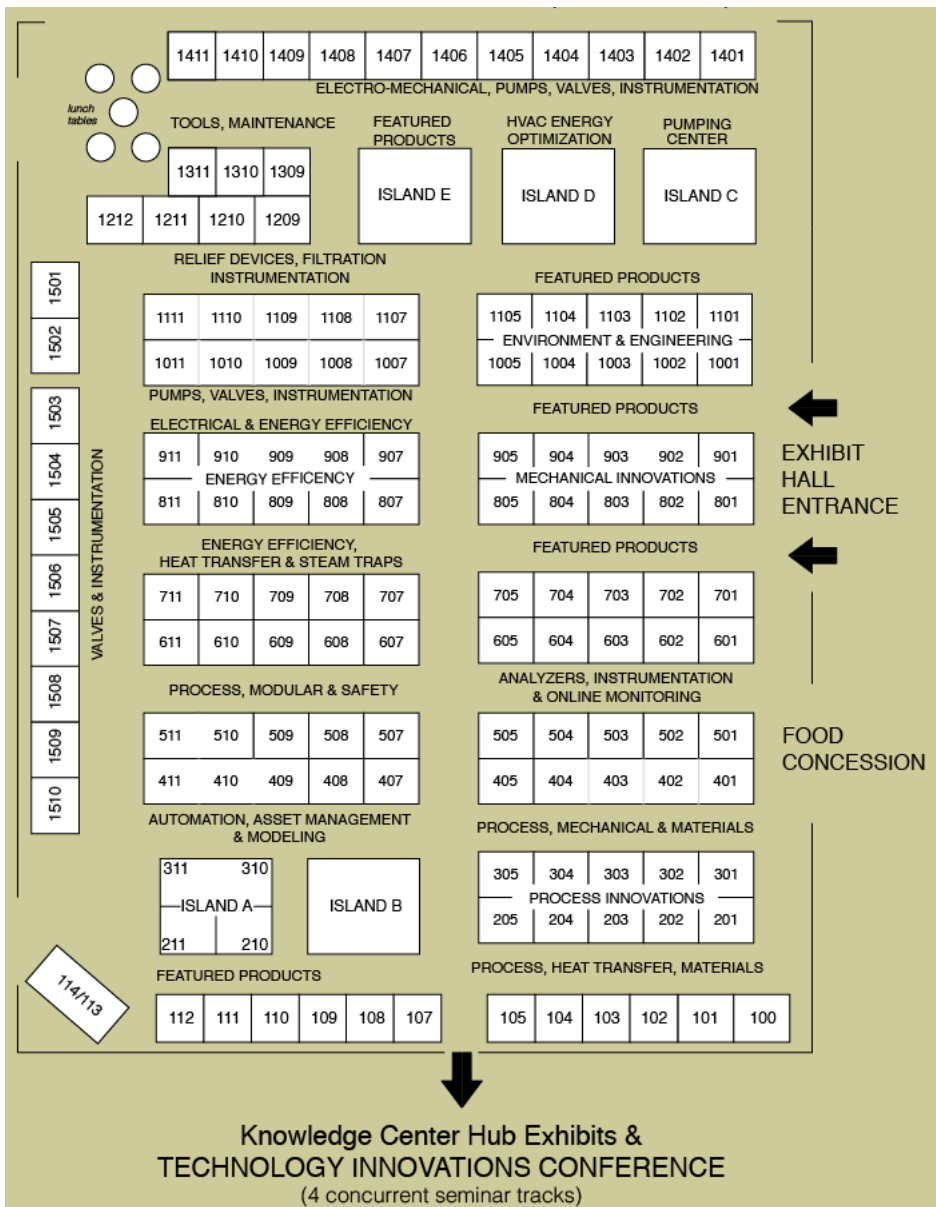


**The exposition highlights new sections on:**

- ✓ tools & maintenance
- ✓ electrical, electro-mechanical
- ✓ HVAC energy optimization
- ✓ energy efficiency
- ✓ pilot plants
- ✓ modular designs
- ✓ vacuum technologies
- ✓ safety & environment
- ✓ water & wastewater
- ✓ solids handling
- ✓ advanced heat transfer
- ✓ corrosion & materials

**Along with innovations in:**

- ✓ chemical & mechanical processing
  - ✓ wireless systems
  - ✓ plant reliability
  - ✓ cyber-security
  - ✓ safety and alarm systems
  - ✓ HVAC energy optimization
  - ✓ instrumentation
  - ✓ control & automation
  - ✓ pumps & valves
  - ✓ distillation & mixing
  - ✓ analytical equipment
  - ✓ on-line monitoring
- ... and much, much more!!



Gold Sponsors

Silver Sponsors

# DIRECTORY of EXHIBITORS

## KNOWLEDGE CENTER HUB

- 1 · AIChE East Tennessee Section, Engineers without Borders
- 2 · ASME Holston Section
- 3 · ISA100 Wireless Compliance Institute
- 4 · ISA and ISA Oak Ridge Section
- 5 · UT Reliability & Maintainability Center
- 6 · Association of Energy Engineers (AEE)
- 7 · NETS-ACS

## REGISTRATION FOYER

- 10 · Processing Magazine, Water/Waste Processing
- 11 · Gilbert Industries
- 12 · FLW Southeast
- 13 · Paxson Engineered Equipment, Watson Marlow, Biar
- 14-15 · Process Supply
- 16 · Liquid Handling Equipment

## EXHIBIT HALL

- 100 · Koch Glitsch
- 101 · Sandmeyer Steel Company
- 102 · Atlas Industrial Manufacturing
- 103 · Sulzer Chemtech
- 104 · JLS International
- 105 · Total Filtration Services (TFS)
  
- 107-08 · **eChemExpo Solutions Marketplace**
- 109 · RECO USA
- 110 · WEG Electric
- 111 · Mountain Air Compressors
- 112 · Training Solutions
- 113-14 · SIHI Pumps
  
- 201 · Nash Vacuum
- 202-03 · Carl Eric Johnson, Inc. Chemineer, Moyno, Grundfos, Tranter
- 204 · Koch Heat Transfer
- 205 · **AMACS Process Tower Internals**
  
- ISLAND B: Emerson Process Management**
- 210 · Mynah Technologies
- 211 · Alfa Laval
  
- 301 · ErgonArmor Corrosion Engineering
- 302 · Houston Polytank
- 303 · Flottweg Separation Technologies
- 304 · Busch Vacuum Pumps & Systems
- 305 · Komline Sanderson
- 310-11 · GE Measurement & Control

## Bushong Industrial Section

- 401 · Paul Mueller Company
- 402 · Enerquip
- 403 · Hooper Welding
- 404 · Mercen
  
- 405 · **PAS**
- 407 · NovaTech
- 408 · Chemstations
- 409-10 · P.O. DesMarais, Yokogawa
  
- 501 · Julabo
- 502 · Metrohm USA
- 503 · Thermo Fisher Scientific
- 504 · Mettler Toledo
- 505 · RVT Process Equipment
- 507 · Neuman & Esser
- 508 · Ekato
- 509 · United Electric Controls
- 510-11 · ASCO Numatics
  
- 601 · Ludeca
- 602 · Bar Environmental, JWC
- 603 · Regal-Brown
- 604 · Invensys, Foxboro
- 605 · Ariel Compressors
- 607 · Fike
- 608-09 · Wolseley Industrial Group
- 610 · UltraSafe
- 611 · Spirax Sarco
  
- 701-02 · **RedGuard**
- 703 · Sentry Equipment Corp.
- 704 · James Machine Works
- 705 · CEM Corporation
- 707 · National Heat Exchange Cleaning Corporation
- 708 · Armstrong International
- 709 · Fluid Flow Products, Flexim Americas Corp.
- 710 · QMax
- 711 · Forum-Quadrant Valve
  
- 801 · **Teikoku USA**
- 802 · Hagler & Associates
- 803 · Ward Tank Company
- 804 · Edwards Vacuum
- 805 · Parker
- 807-11 · **ONE WESCO PAVILLION** Eaton Electrical, Siemens Industry
  
- 901 · **Xytel**
- 902 · Titan Metal Fabricators
- 903 · VSP Technologies
- 904 · Tricor Metals
- 905 · **Bentley Systems**
- 907 · UE Systems
- 908-09 · Rexel
- 910 · Siemens Process Automation
- 911 · Siemens Building Technologies

- 1001 · **Rain for Rent**
- 1002 · Festo Corporation
- 1003 · Berndorf Belt Technology
- 1004 · Victaulic

## CAROTEK PAVILION

- 1005 · **Samson Controls**
- 1007 · **Endress+Hauser**
- 1008 · Ashcroft
- 1009 · AMRI, Pepperl+Fuchs
- 1010 · DFT
- 1011 · Viking Pump, Warren Rupp
  
- 1101 · Mesa Associates
- 1102 · PSA
- 1103 · Little John Engineering
- 1104-05 · Moore Industries

## ABERNATHY THOMAS ENGINEERING PAVILION

- 1107 · Farris
- 1108 · Zook
- 1109 · Western States Centrifuge
- 1110 · Van Air
- 1111 · Eaton Filtration
- 1209 · ITT Engineered Valve
- 1210 · Jacoby Tarbox
- 1211 · BLS Safety Showers
- 1212 · Diversified Heat Transfer

## ISLAND C – Tennessee Process Pumps

## ISLAND D – Johnson Controls

## ISLAND E – George C. Paris Company

K-Patents, TOSHIBA, FCI, Promecon, APIX, Novus Automation

- 1401 · Flowserve
- 1402 · Cole Parmer Instrumentation
- 1403-04 · Tencarva
- 1405 · AZBIL North America
- 1406 · MRC Global Valves & Fittings
- 1407-08 · EMS, Texwell Services

## TOOLS & MAINTENANCE SECTION

- 1309 · ACE Industrial
- 1311 · Howden North America
- 1411 · MSA Safety
- 14-15 · Process Supply (*in foyer*)
- 809 · Morse Cutting Tools (with Rexel)
  
- 1501-02 · PICO, Mogas, Vega
- 1503 · Control Equipment Corp.
- 1503 · Clark Reliance
- 1503 · TLV
  
- Cross Instrumentation Section**
- 1506 · Cross Instrumentation
- 1507 · Brooks Instrument
- 1508 · Continental Disc/Groth
- 1509 · Metso Automation
  
- 1510 · Ridge Valve & Fitting

# 6<sup>TH</sup> TECHNOLOGY INNOVATIONS CONFERENCE

## Track #1

**Process, Mechanical,  
and Advanced  
Heat Transfer**

## Track #2

**Wastewater, Environment  
and Corrosion  
Management**

## Track #3

**Plant Reliability, Energy  
Efficiency and  
Modular Design**

## Track #4

**Wireless,  
Instrumentation, Safety  
Systems and Modeling**

10:15 am

Design for Effective  
Liquids Removal  
in Suction Drums  
*AMACS Process Tower  
Internals*

Temporary Capabilities in  
Waste Reduction,  
Wastewater, Solid Waste and  
Storage Management  
*Rain for Rent*

Instrument Calibration Life  
Cycle Management Best  
Practices  
*Endress+Hauser*

Improving Manufacturing  
Capabilities while Reducing  
Capital Investment  
with Wireless HART  
*Emerson Smart Wireless*

10:40 am

10:45 am

Plug & Play Modular  
Construction  
*Xytel*

Latest Innovations with  
Grinding Technologies  
*Bar Environmental,  
JWC Environmental*

Why Vibration Analysis?  
Understanding How Vibra-  
tion Can Help Your Machines  
Last Longer  
*Ludeca*

ISA Wireless Vibration  
Monitoring  
*GE Measurement & Control*

11:10 am

11:15 am

Rotating Element Monitoring  
in Sealless Pumps  
*Teikoku USA*

Reducing Risks & Costs in  
Wastewater Treatment with  
Analytical Instrumentation  
*Endress+Hauser*

Modular Blast Resistant  
Building Design, Part 1  
*RedGuard*

Groundbreaking Technology  
for Safety System Migration  
*United Electric Controls*

11:40 am

11:45 am

Enhanced Engineering  
Efficiency in Sealless Pump  
Specification  
*Teikoku USA*

Optimizing Wastewater  
Treatment Design Using Agi-  
tators and Static Mixers  
*Chemineer*

Modular Blast Resistant  
Building Design, Part 2  
*RedGuard*

Implementing Real-Time  
Alarm Management  
*PAS*

12:10 pm

12:20 pm

### **Concurrent Featured Sessions:**

**Track 2** · *Industry Panel on Sustainability and Energy Efficiency* (sponsored by AEE)

12:50 pm

**Track 3** · *Reliability Metrics, Trends and Viewpoints* (sponsored by the UT Reliability & Maintainability Center)

**Track 4** · *Best Applications for Wireless in Process Manufacturing* (sponsored by ISA 100 Wireless Compliance Institute)

1:00 pm

Distillation and Absorption  
using the Latest Generation  
Random Packing  
*Koch-Glitsch*

Enhanced Valve Sealing with  
Metal Bellows Technology  
*Samson Controls*

Energy Savings and  
Optimization, Part 1: Beyond  
the Algorithm... Ensuring  
Persistent Success  
*Johnson Controls*

Streamline Automation  
Modernization Projects  
*Emerson Process Solutions*

1:25 pm

1:30 pm

Agitation Improvement in  
Vessels  
*Ekato*

Comparison of chilled water  
optimization strategies -  
Traditional to the Latest  
*Siemens*

Energy Savings and Opti-  
mization, Part 2: The Near  
Future ... Minimizing Cost,  
Not Just Energy  
*Johnson Controls*

Bridging the OPEX CAPEX  
Divide with Advanced  
Engineering Information  
Management  
*Bentley Systems*

1:55 pm

2:00 pm

Welded Compact Heat  
Exchanger Technology  
*Alfa Laval*

Durable Corrosion  
Protection for Concrete  
Structures: Comparing  
Cost, Service Life,  
Turnaround Time  
*ErgonArmor Corrosion  
Engineering*

Best Practices in Servicing  
Rotating Equipment  
*Neuman & Esser*

Predictive Analytics &  
Diagnostics  
*GE Measurement & Control*

2:25 pm

2:30 pm

Using Conductive Heat  
Transfer to Gain Efficiency  
and Effectiveness  
*QMax*

Structural Extruded  
Plastic Tanks  
*Houston PolyTank*

DCS Best Practices in  
Factory Acceptance Testing  
*Siemens Process Automation*

Cyber Security:  
Modern Day Threats  
*Mesa Associates*

2:55 pm

3:00 pm

Advanced Application of  
Static Mixer Technology in  
Heat Transfer and Reaction  
*Sulzer Chemtech*

Enhancing Fall Protection  
*UltraSafe*

Dry Vacuum for Improved  
Process Efficiencies  
*SIHI Pumps*

Demonstration of ISA  
100.11a Wireless  
Technology  
*Yokogawa*

3:25 pm

3:30 pm

Choosing the Right Mass  
Flow Controller for your Gas  
Application  
*Brooks Instrument*

To Be Announced

Liquid Ring Vacuum Pumps:  
Innovations & Design  
*Nash Vacuum*

Life Cycle Dynamic  
Simulation  
*MYNAH Technologies*

3:55 pm

## Supporting Organizations

**EASTMAN**

**ASME**  
SETTING THE STANDARD

**ISA**  
**100**  
WIRELESS

**BAE SYSTEMS**

**Processing**  
SOLUTIONS FOR THE PROCESS INDUSTRY

Water/Waste  
**Processing**  
SOLUTIONS FOR WATER PROCESS PROFESSIONALS

**ACS**  
Chemistry for Life™

**AICHE**

**ISA** Oak Ridge  
Section

**QEE**

**ASQC** Northeast Tennessee  
Section  
The Global Voice of Quality™