

| Issue | Close & Materials Due | Features | Energy Efficiency/ Green Topic | PRODUCT SPOTLIGHT: NOTE: May include, but not limited to, the following product types: |
|--------------|-----------------------|---|---|--|
| JAN | 12/6/10 12/13/10 | <ul style="list-style-type: none"> • 2011 Executive Reports* • Integrated System-Design Strategies | Federal Energy Standards Revisited | AHR Expo Product Preview: New Product Introductions for 2011 |
| FEB | 1/10/11 1/17/11 | <ul style="list-style-type: none"> • IAQ: VOC Reduction in Manufacturing Facilities • IAQ Testing: What Makes a Building Healthy? | LEED Professionals: The Certification Process | Ventilation: Air Handlers, ERVs, Fans and Fan Systems, HRVs, Ventilation Hoods, Floor Ventilators, Roof Ventilators |
| MAR | 2/7/11 2/14/11 | <ul style="list-style-type: none"> • Heat Recovery: Discharge-Air Temperature (Part 1) • The Art of Energy Retrofits | Biofuel Applications | AHR Expo Product Review: Key Products for 2011 |
| APRIL | 3/7/11 3/14/11 | <ul style="list-style-type: none"> • Heat Recovery: Condensing Heat Recovery (Part 2) • Fan Selection: Belt vs. Direct-Drive | Calculating Pumping Energy Savings | Pumps: Centrifugal, Boiler Feed, Condensate, Condensate Return, Multistage, Reciprocating |
| MAY | 4/4/11 4/11/11 | <ul style="list-style-type: none"> • Liquid-Solar-Collector Performance: Cost vs. Efficiency • The Latest in Building Information Modeling Technology | Variable-Speed Technology & Its Role in Energy-Use Reduction | Air Conditioning: Central Station, Computer Room, Ducted Split, Ductless Split, Chillers, Evaporative, Fan Coil, Horizontal Package, Industrial, Packaged Terminal, Portable, VRF |
| JUNE | 5/2/11 5/9/11 | <ul style="list-style-type: none"> • Annual Info-Dex Directory • Spot-Cooling Solutions | Boiler-System Energy-Flow Analysis | Boilers: Electric Steam and Hot Water, Gas-fired, Condensing, Sealed Combustion, Direct Vent, Packaged Unit, Process, Waste-Heat Recovery, Commercial, Industrial |
| JULY | 6/6/11 6/13/11 | <ul style="list-style-type: none"> • 1st Annual HPAC Engineer of the Year Award • Radiant-Cooling Design Strategies | A Practical Look at ASHRAE 189.1 for High-Performance Green Buildings | Rooftop Units: Packaged with VAV/RH (Electric or Hydronic), Single Zone, Dual Fuel, Central Station AHU, Customized Built-Up |
| AUG | 7/5/11 7/11/11 | <ul style="list-style-type: none"> • Evaporative Chilling and Thermal Storage • Calculating Coil Performance | Peak Shaving Using Gas-Driven Chillers | Chillers & VRF Units: Chiller Barrels, Liquid, Packaged, Water, Heat-Recovery Water Chillers, Explosion-proof, Chiller-Heaters, Blast, VRF/VRV units |
| SEPT | 8/8/11 8/15/11 | <ul style="list-style-type: none"> • Controlling Water-Vapor Transmission & Condensation • Relative-Humidity Control | Zero Energy Footprint: Is It Even Possible? | Humidifiers/Dehumidifiers: Central Plant, Centrifugal, Direct, Evaporative, Steam, Room Unit, Humidistat: Building Humidity Control, Compressed Air, Electric, Indoor Swimming Pool, Process, Refrigerated, Desiccant, Sprayed Coil |
| OCT | 9/5/11 9/12/11 | <ul style="list-style-type: none"> • Why Calculate Higher Heat Values? • Control-Valve Selection Guide | Green HVAC-System Design in Government Buildings | Valves: Actuators, Fittings, Air Relief, Balancing, Butterfly, Globe, Check, Shutoff, Unloading, Constant Pressure, Expansion, Gas, Gate, Line, Metering, Flow, Hot/Cold Water Mixing, Needle, Pressure Independent, Purge |
| NOV | 10/10/11 10/17/11 | <ul style="list-style-type: none"> • Geothermal in Manufacturing Applications • Mold-Spore Testing in Hospital Environments | Supermarket Photovoltaic Systems | BAS/Controls: Automation, Direct Digital Controls, Energy Management, IAQ, Temperature, Occupancy, Life Safety, Facilities Management, Pneumatic, Temperature |
| DEC | 11/7/11 11/14/11 | <ul style="list-style-type: none"> • Building Pressurization Control • Trends in Motor and Drive Technology | Chilled-Water Flow: A Comparative Analysis | Motors & Drives: Variable Speed, Adjustable Speed, Cooling-Tower Fan, Electrical, Mechanical, Hermetic, Fractional |

*Executive Reports: The Health of the HVAC Industry. Top executives comment on what they see as the strengths and weaknesses of the upcoming year in their marketplace.

TECHNOLOGY & TRENDS

APPLICATIONS

| Air Conditioning | Building Automation/Controls | Fire & Smoke | Heating/Boilers | Humidification/Dehumidification | Motors & Drives | Plumbing/Piping/Pumping | Ventilation/Indoor Air Quality | Commercial & Office Buildings | Hospitals/Health Care | Industrial/Manufacturing | Schools & Universities | SUPPLEMENTS/SPECIAL SECTIONS | WEBINAR TOPICS |
|------------------|------------------------------|--------------|-----------------|---------------------------------|-----------------|-------------------------|--------------------------------|-------------------------------|-----------------------|--------------------------|------------------------|--|--|
| ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | Boiler Systems Engineering | Integrated System-Design Strategies |
| ● | ● | ● | ● | | | | ● | ● | ● | ● | ● | Fire Protection Engineering | Energy-Efficient Ventilation |
| ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | Intelligent Medical Buildings |
| | | ● | ● | | | ● | ● | ● | | ● | | Fire Protection Engineering | Intelligent Commercial Buildings |
| ● | | | ● | | ● | | ● | ● | | | ● | Techlit Selector | Intelligent School Buildings |
| ● | ● | | ● | | | | | | ● | ● | | Boiler Systems Engineering | Intelligent Industrial Buildings |
| ● | ● | ● | | ● | ● | | | ● | ● | ● | ● | Fire Protection Engineering | Fire-Safety-System Design |
| ● | | | | ● | | | | | ● | ● | | | Variable Refrigerant Flow |
| ● | | | ● | ● | | | ● | ● | | | ● | Fire Protection Careers | Relative-Humidity Control |
| ● | | | ● | | ● | ● | | ● | ● | | ● | Fire Protection Engineering | Making Geothermal Work in Health-Care Applications |
| ● | ● | | ● | | ● | | ● | ● | ● | | | Networked Controls Techlit Selector | Specifying the Right Building Controls |
| ● | | | ● | | ● | | ● | | ● | ● | | | Building Pressurization Control |