2019 AHR Expo Education Sessions

Session Title	Date and Time	Location	Type
Professional Development Seminar: Commercial Building Energy Audits (code 60)	01/12/2019 8:00 - 03:00	B302	ASHRAE Learning Institute Courses ($)
Professional Development Seminar: Effective Energy Management in New & Existing Buildings (code 61)	01/12/2019 8:00 - 03:00	B303	ASHRAE Learning Institute Courses ($)
Professional Development Seminar: Operations & Maintenance of High-Performance Buildings (code 62)	01/12/2019 8:00 - 03:00	B304	ASHRAE Learning Institute Courses ($)
Short Course: Advanced Designs for Net Zero Buildings (code 63)	01/13/2019 3:30 - 06:30	B302	ASHRAE Learning Institute Courses ($)
Short Course: Latest in High-Performance Dedicated Outdoor Air Systems (code 65)	01/13/2019 3:30 - 06:30	B303	ASHRAE Learning Institute Courses ($)
Short Course: Variable Refrigerant Flow Systems: Design & Applications (code 66)	01/13/2019 3:30 - 06:30	B304	ASHRAE Learning Institute Courses ($)
Short Course: Air-to-Air Energy Recovery Applications: Best Practices (code 64)	01/13/2019 3:30 - 06:30	B305	ASHRAE Learning Institute Courses ($)
New Deal Cybersecurity Summit	01/14/2019 7:00 - 11:00	B310	Free Industry Sessions
NATE Testing & Review	01/14/2019 8:00 - 05:00	C207	Certification Exams ($)
Short Course: Humidity Control I: Design Tips and Traps (code 67)	01/14/2019 8:30 - 11:30	B302	ASHRAE Learning Institute Courses ($)
Short Course: Solar PV & Thermal Analysis and Design (code 68)	01/14/2019 8:30 - 11:30	B303	ASHRAE Learning Institute Courses ($)
Short Course: Thermal Energy Storage Systems for Air Conditioning (code 69)	01/14/2019 8:30 - 11:30	B304	ASHRAE Learning Institute Courses ($)
Short Course: Understanding and Designing Chilled-Beam Systems (code 70)	01/14/2019 8:30 - 11:30	B305	ASHRAE Learning Institute Courses ($)
Low Cost Leads are Hurting Your Business	01/14/2019 9:00 - 10:00	B309	Free Industry Sessions
The Future of Building Automation Creating Our New Persona "Building Emotion"	01/14/2019 9:00 - 10:00	B311	Free Industry Sessions
Monetization of Intelligent Buildings	01/14/2019 9:00 - 10:00	B313a	Free Industry Sessions
Customer Service is Not a Department, it is a Mindset	01/14/2019 9:00 - 10:00	B313b	Free Industry Sessions
BACnet 101: From an HVAC Perspective	01/14/2019 9:00 - 10:00	Thomas Murphy Section 1	Free Industry Sessions
HVAC Duct Construction - Duct Design	01/14/2019 9:00 - 10:30	B315	Free Industry Sessions
Trends in the Global HVAC Market	01/14/2019 9:00 - 11:00	B312	Free Industry Sessions

Air Purification to Keep Ductless Mini-splits Free of Mold and Odors	01/14/2019 10:15 - 10:35	Theater A - room C101	Exhibitor Product & Technology Presentations
How Fieldpoint's Latest Solution Can Help Your Enterprise Achieve Field Service Management Goals	01/14/2019 10:15 - 10:35	Theater B - room C102	Exhibitor Product & Technology Presentations
TCOD-Clean; High Purity Filtration Selection & Design Software	01/14/2019 10:25 - 10:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Introduction to Building Automation Systems	01/14/2019 10:30 - 11:30	B311	Free Industry Sessions
Developing a Cyber Security Defense	01/14/2019 10:30 - 11:30	Thomas Murphy Section 1	Free Industry Sessions
Psychrometrics Without Tears	01/14/2019 10:30 - 12:30	B309	Free Industry Sessions
DOE Regulations and the HVACR Industry	01/14/2019 10:45 - 11:05	Theater A - room C101	Exhibitor Product & Technology Presentations
Intuitive Refrigerant Compliance Monitors for Commercial and Industrial Gas Leak Applications	01/14/2019 10:45 - 11:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Scalable Building Control Solutions from Trane	01/14/2019 10:55 - 11:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Low GWP Refrigerants: Components and System Designs	01/14/2019 11:00 - 12:00	B313a	Free ASHRAE Conference Sessions
Pairing Geothermal and Hydronic Systems in Residential Buildings	01/14/2019 11:00 - 12:00	B313b	Free ASHRAE Conference Sessions
Commissioning Based Energy Management: A High Impact, High Performance Approach	01/14/2019 11:00 - 12:00	B316	Free Industry Sessions
New Products and Solutions in a Changing Industry, an EU Perspective	01/14/2019 11:15 - 11:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Marley® MD Everest® Counterflow Cooling Tower	01/14/2019 11:15 - 11:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Redefining Modern Building Management with Latest Metasys® Release	01/14/2019 11:25 - 11:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Connected Multi-Dwelling Units and the Internet of Things	01/14/2019 11:30 - 12:30	B310	Free Industry Sessions
Building and Drinking Water – Managing the Emerging Risks	01/14/2019 11:30 - 12:30	B315	Free Industry Sessions
WebCTRL v7 Building Automation System – Advanced Reporting, Dashboards & Visualization	01/14/2019 11:45 - 12:05	Theater A - room C101	Exhibitor Product & Technology Presentations

Tackling New R-12 Insulation Requirements with a Single Layer of Insulation	01/14/2019 11:45 - 12:05	Theater B - room C102	Exhibitor Product & Technology Presentations
New Nonflammable, Reduced GWP Replacement for R-410A	01/14/2019 11:55 - 12:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Building Automation 101	01/14/2019 12:00 - 01:00	B311	Free Industry Sessions
Increasing Energy Efficiency in Air Handling Units with punker D-SERIES Diffuser Fan Wheels	01/14/2019 12:15 - 12:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Ethernet BACnet IP/ WIFI BACnet IP- Thermostats and VAV Controllers	01/14/2019 12:15 - 12:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Smarter Building Controller: The Cloud-based, Affordable, Portfolio-wide HVAC Management System	01/14/2019 12:25 - 12:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Addressing Risk In an IoT-Connected World	01/14/2019 12:45 - 01:05	Theater A - room C101	Exhibitor Product & Technology Presentations
The New RenewAire Slimline ERV	01/14/2019 12:45 - 01:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Why is Filtration Critical for Minimizing Legionella Growth	01/14/2019 12:55 - 01:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Necessity of Filtration on Open Cooling Systems	01/14/2019 1:00 - 02:00	B309	Free Industry Sessions
Airflow Testing Accuracy in the Field	01/14/2019 1:00 - 02:00	B315	Free Industry Sessions
Marketing through Engagement	01/14/2019 1:00 - 02:00	B316	Free Industry Sessions
Is HVACaaS (HVAC as a Service) in Your Future?	01/14/2019 1:00 - 02:00	Thomas Murphy Section 1	Free Industry Sessions
Cooling Tower and Water Treatment Fundamentals	01/14/2019 1:00 - 03:00	B312	Free Industry Sessions
The Array Boiler: High-efficiency Condensing Boiler with the Benefits of Redundant Heat Exchangers	01/14/2019 1:15 - 01:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Symphony: The Next Step in Intelligent Automation and IoT for the Hospitality Industry	01/14/2019 1:15 - 01:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Wireless Pressure Sensing for Refrigerant Monitoring in AC and Refrigeration Systems	01/14/2019 1:25 - 01:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Smart Environments for Humans	01/14/2019 1:30 - 02:30	B311	Free Industry Sessions

steamOvap is Introducing the First Smart Electric Steam Humidifier	01/14/2019 1:45 - 02:05	Theater A - room C101	Exhibitor Product & Technology Presentations
QuickVic™ SD: Most Efficient & Economical Way to Join Small Diameter Carbon Steel Pipe	01/14/2019 1:45 - 02:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Caleffi CONTECA™ Connect Made Easy	01/14/2019 1:55 - 02:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Overcoming Errors Associated with System Variations When Using Insertion Flowmeters	01/14/2019 1:55 - 02:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Boiling Down to the Best Boiler Solution	01/14/2019 2:00 - 03:00	B310	Free Industry Sessions
Reduce the Space Required for Your Evaporative Cooling Equipment while Saving Water and Energy	01/14/2019 2:15 - 02:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Single-tool Infrastructure for Connecting Systems that Takes Operational Efficiency to the Edge	01/14/2019 2:15 - 02:35	Theater B - room C102	Exhibitor Product & Technology Presentations
How Revisions to Standard 180 will Help Improve Maintenance Services	01/14/2019 2:15 - 03:45	B313a	Free ASHRAE Conference Sessions
Update on Global Policies and Programs for Best Use of Refrigerants	01/14/2019 2:15 - 03:45	B313b	Free ASHRAE Conference Sessions
Revolutionary Press Fittings for Air-conditioning and Refrigeration Applications	01/14/2019 2:25 - 02:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Quick Guide to Applying Fan and Pump Laws	01/14/2019 2:30 - 03:30	B315	Free Industry Sessions
A Review of HEPA Filters and Newer Purification Technologies for their Effectiveness and Health Impacts	01/14/2019 2:30 - 03:30	B316	Free Industry Sessions
Alexa Has Left the Building - Because Building IoT is So Much More	01/14/2019 2:30 - 03:30	Thomas Murphy Section 1	Free Industry Sessions
Controls Strategies for Maximizing Condensing Boiler System Efficiency	01/14/2019 2:30 - 04:00	B309	Free Industry Sessions
High Efficiency Plug & Plenum Fans for (Retrofit) AHU With Static Pressure of Up to 10″ WG	01/14/2019 2:45 - 03:05	Theater A - room C101	Exhibitor Product & Technology Presentations
Geothermal Heat Pumps Meet the Future	01/14/2019 2:45 - 03:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Short Course: Humidity Control II: Real-World Problems and Solutions (code 74)	01/14/2019 2:45 - 05:45	B302	ASHRAE Learning Institute Courses ($)
Short Course: Designing and Operating High-Performing Healthcare HVAC Systems (code 73)	01/14/2019 2:45 - 05:45	B303	ASHRAE Learning Institute Courses ($)
Short Couse: Design of Affordable and Efficient Ground-Source Heat Pumps Systems (code 72)	01/14/2019 2:45 - 05:45	B304	ASHRAE Learning Institute Courses ($)

Short Course: ASHRAE Guideline 0 – The Commissioning Process (code 71)	01/14/2019 2:45 - 05:45	B305	ASHRAE Learning Institute Courses ($)
Elevating the Occupant Experience	01/14/2019 2:55 - 03:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Grid Connected Buildings as a Transactive Hub	01/14/2019 3:00 - 05:00	B311	Free Industry Sessions
HVAPP! - Reinventing the Way We Access HVACR Industry Information	01/14/2019 3:15 - 03:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Keep Your Operations Flowing - Accurate Flow Metering without Cutting the Pipe or Shutting Down Your System	01/14/2019 3:25 - 03:45	Theater C - room C103	Exhibitor Product & Technology Presentations
The Benefits of Manifold Flow Meters in Design and Installation for Radiant	01/14/2019 3:30 - 04:30	B310	Free Industry Sessions
HVAC System Cleaning 101	01/14/2019 3:30 - 04:30	B312	Free Industry Sessions
The Final Evolution of Pressure Boosting Technology!	01/14/2019 3:45 - 04:05	Theater A - room C101	Exhibitor Product & Technology Presentations
Infrared Sensors for Refrigerant Gas Leak Detection in the Commercial/Industrial HVACR Sector	01/14/2019 3:45 - 04:05	Theater B - room C102	Exhibitor Product & Technology Presentations
IAQ Management for Residential Single and Multi-family Construction	01/14/2019 3:55 - 04:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Assessing the Effectiveness of Economizers for De-Centralized Cooling Systems	01/14/2019 4:00 - 05:00	B313a	Free ASHRAE Conference Sessions
Using Air to Air Energy Recovery to Help Balance Comfort, IAQ and Energy	01/14/2019 4:00 - 05:00	B313b	Free ASHRAE Conference Sessions
Exposure Risk of Laboratory Fume Hoods	01/14/2019 4:00 - 05:00	B316	Free Industry Sessions
How Much Energy Can HVAC System Balancing Save?	01/14/2019 4:00 - 05:30	B315	Free Industry Sessions
Ask the Expert: Have Your BACnet Questions Answered	01/14/2019 4:00 - 05:30	Thomas Murphy Section 1	Free Industry Sessions
Why Use NSF Certified Pressure Gauges	01/14/2019 4:15 - 04:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Balancing in an IoT World - Kanomax Capture Hoods	01/14/2019 4:15 - 04:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Super-V: The World's Newest & Most Efficient Whole-house Air Cleaner	01/14/2019 4:25 - 04:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Virtual Reality Training for HVAC is Here	01/14/2019 4:30 - 05:30	B309	Free Industry Sessions

Smart Connected Actuators Making Systems Transparent	01/14/2019 4:45 - 05:05	Theater A - room C101	Exhibitor Product & Technology Presentations
Ventilation in a High Performance Home	01/14/2019 4:45 - 05:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Simplifying Solar Thermal Design: Solar Stations for Every Project Size	01/14/2019 4:55 - 05:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Hanging Ductwork Using Cable, Even in Restricted Spaces, Using DobyGrip Max	01/14/2019 5:15 - 05:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Find Parts in the Most Unexpected Place: Your Smartphone	01/14/2019 5:15 - 05:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Bearing Protection for HVACR Motors with Drives	01/14/2019 5:25 - 05:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Air Source Heat Pumps for Domestic Hot Water Generation in Cold Climates	01/14/2019 5:45 - 06:05	Theater A - room C101	Exhibitor Product & Technology Presentations
The Energy Wall Universal ERV: Innovation In Energy Recovery	01/14/2019 5:45 - 06:05	Theater B - room C102	Exhibitor Product & Technology Presentations
How to Deliver Smart and Open Building Applications for IoT	01/15/2019 8:00 - 09:15	B309	Free Industry Sessions
Commissioning Authority (CxA) Workshop & Exam (2 day program)	01/15/2019 8:00 - 05:00	C207	Certification Exams ($)
New Construction Commissioning and ACP Exam (2 day program)	01/15/2019 8:30 - 05:00	Thomas Murphy Section 1	Certification Exams ($)
Smart Building Automation Evolution from Ethernet to Emotion	01/15/2019 9:00 - 10:00	B311	Free Industry Sessions
Defining the Pathway to Building-to-Grid	01/15/2019 9:00 - 10:00	B313a	Free Industry Sessions
The Importance of Humidity in Modern Buildings	01/15/2019 9:00 - 10:00	B316	Free Industry Sessions
Fundamentals of Heat Metering in Hydronic Systems	01/15/2019 9:00 - 10:30	B313b	Free Industry Sessions
Providing Safety, Efficiency, and Value with Hydronic Snow Melting	01/15/2019 9:00 - 10:30	B315	Free Industry Sessions
Trends in the Global HVAC Market	01/15/2019 9:00 - 11:00	B312	Free Industry Sessions
Short Course: How Smart, Efficient, Sustainable Systems Lead to Improved Resilience (code 78)	01/15/2019 9:00 - 12:00	B304	ASHRAE Learning Institute Courses ($)
Short Course: Avoiding IAQ Problems (code 77)	01/15/2019 9:00 - 12:00	B305	ASHRAE Learning Institute Courses ($)

Professional Development Seminar: Commissioning Process in New & Existing Buildings (code 76)	01/15/2019 9:00 - 04:00	B302	ASHRAE Learning Institute Courses ($)
Professional Development Seminar: Choosing the Right Energy Code for Your Project – IECC 2018 or ASHRAE 90.1-2016 (code 75)	01/15/2019 9:00 - 04:00	B303	ASHRAE Learning Institute Courses ($)
Synergies Between BACnet and LON	01/15/2019 9:30 - 10:45	B309	Free Industry Sessions
NAFA Best Practice Guideline for Hospital & Healthcare Facilities – Updated to Include the Impact of SSPC 170 Updates	01/15/2019 10:00 - 11:00	B310	Free Industry Sessions
Hot Water Recirculation for Tankless Heaters with & without Built-in Pumps: Indoor/Outdoor Installation, On Demand Option, Code Compliant	01/15/2019 10:15 - 10:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Increase Your Sales & Earn Your Customer's Trust with HVAC Surge Protection	01/15/2019 10:15 - 10:35	Theater C - room C103	Exhibitor Product & Technology Presentations
Air Curtains - Clean Air Series	01/15/2019 10:25 - 10:45	Theater A - room C101	Exhibitor Product & Technology Presentations
Semantic Tagging Passes an Inflection Point - Understanding Project Haystack	01/15/2019 10:30 - 11:30	B311	Free Industry Sessions
CRUSH Your Numbers: What You Need to Know to Grow	01/15/2019 10:30 - 11:30	B313a	Free Industry Sessions
Global Market and Policy Trends for CO2 and Ammonia in Refrigeration	01/15/2019 10:30 - 11:30	B316	Free Industry Sessions
Daikin Fit™ Residential Inverter HVAC System for Ducted Furnace Applications	01/15/2019 10:45 - 11:05	Theater B - room C102	Exhibitor Product & Technology Presentations
NEW NexusPremier™ 25-50T Packaged Rooftop	01/15/2019 10:55 - 11:15	Theater A - room C101	Exhibitor Product & Technology Presentations
The BEST Way to Compare HVAC Systems in the Early Project Design Phase	01/15/2019 11:00 - 11:45	B315	Free Industry Sessions
Design for High Performance Air Distribution Systems	01/15/2019 11:00 - 12:00	B313b	Free Industry Sessions
Fire Resisting Ductwork - Test Standards, Regulations & Applications	01/15/2019 11:15 - 11:35	Theater B - room C102	Exhibitor Product & Technology Presentations
The Future of Hydronic Pumps: Self Optimizing Pre-packaged HVAC Pump Systems	01/15/2019 11:15 - 11:35	Theater C - room C103	Exhibitor Product & Technology Presentations
VFD Trends and Time Savers	01/15/2019 11:25 - 11:45	Theater A - room C101	Exhibitor Product & Technology Presentations
La Mejor Guia de NAFA para Hospitales y Centros de Salud - Actualización que Incluye el Impacto de Cambios del Standard ASHRAE SSPC 170	01/15/2019 11:30 - 12:30	B310	Free Industry Sessions
Improving Organizational Productivity with Building Automation Systems	01/15/2019 11:30 - 12:30	B312	Free Industry Sessions

Fluke's Professional HVAC Toolkit - Keeping Your World Up and Running	01/15/2019 11:45 - 12:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Brand-New iManifold Pulse: Versatile, Low-cost HVAC/R Installed Monitoring & Diagnostics Platform	01/15/2019 11:45 - 12:05	Theater C - room C103	Exhibitor Product & Technology Presentations
Next Generation HVAC Controls: Open Hardware – Open Software	01/15/2019 12:00 - 01:00	B311	Free Industry Sessions
There are No Secrets to Success	01/15/2019 12:00 - 01:00	B316	Free Industry Sessions
New High Temperature Heat Pump Series WWB (Water/Water Booster)	01/15/2019 12:15 - 12:35	Theater B - room C102	Exhibitor Product & Technology Presentations
New Applications of High-lift, Oil-free Centrifugal Compressors	01/15/2019 12:15 - 12:35	Theater C - room C103	Exhibitor Product & Technology Presentations
Distribution Efficiency: The Often Overlooked Advantage of Hydronics Technology	01/15/2019 12:30 - 01:30	B313b	Free Industry Sessions
NAFA CAFS Testing and 2-Hour Tutorial; NCT Testing	01/15/2019 12:30 - 04:30	C204	Certification Exams ($)
How to Maintain the Right Humidity and Dewpoint without the Mess and Hassle	01/15/2019 12:45 - 01:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Co-branding Tools for Contractors to Drive Visibility and Business	01/15/2019 12:45 - 01:05	Theater C - room C103	Exhibitor Product & Technology Presentations
Recruiting and Retaining Women in the HVACR Industry	01/15/2019 1:00 - 02:00	B310	Free Industry Sessions
The Power of the Billable Hour, and How to Get it Right	01/15/2019 1:00 - 02:00	B313a	Free Industry Sessions
Existing Building Cx: What’s New	01/15/2019 1:00 - 02:00	B315	Free Industry Sessions
LonMark Technology Updates	01/15/2019 1:00 - 02:15	B309	Free Industry Sessions
What it Takes to Get an Installed HVAC System to Operate at Equipment Rated Capacity	01/15/2019 1:00 - 02:30	B312	Free Industry Sessions
Advancing Lower-GWP Alternatives in Air-Conditioning Sector in the Middle East	01/15/2019 1:00 - 03:00	B305	Free Industry Sessions
Short Course: High-Performance Building Design: Applications and Future Trends (code 79)	01/15/2019 1:00 - 04:00	B304	ASHRAE Learning Institute Courses ($)
Using the New and Improved Building Efficiency System Tool™ (BEST) for Early-stage HVAC System Evaluation	01/15/2019 1:15 - 01:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Eliminate the Hassle of High Volume Duct Liner Adhesives – Mix On-demand Easily	01/15/2019 1:15 - 01:35	Theater C - room C103	Exhibitor Product & Technology Presentations
Exploring Our Human Connection: 7th Annual Connection Community Collaboratory	01/15/2019 1:30 - 02:30	B311	Free Industry Sessions

Compounding Pharmacy Certification for Compliance	01/15/2019 1:30 - 02:30	B316	Free Industry Sessions
2019 U.S. Department of Energy (DOE) Energy Conservation Standards	01/15/2019 1:45 - 02:05	Theater B - room C102	Exhibitor Product & Technology Presentations
All About Oil Separators	01/15/2019 1:45 - 02:05	Theater C - room C103	Exhibitor Product & Technology Presentations
HVAC Microbial Growth	01/15/2019 2:00 - 03:00	B313b	Free Industry Sessions
GeneralAire Touch Screen & Wi-Fi Control Dehumidifiers	01/15/2019 2:15 - 02:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Ethernet I/O Module with Router Function	01/15/2019 2:15 - 02:35	Theater C - room C103	Exhibitor Product & Technology Presentations
Reducing Your System Operating Costs by 40% with Closed Circuit Cooling Towers	01/15/2019 2:30 - 03:30	B310	Free Industry Sessions
Safety, Innovation, and Other Benefits of CSST in Residential and Commercial Applications	01/15/2019 2:30 - 03:30	B313a	Free Industry Sessions
Best Practices for Designing Large Systems Using LON Open Protocol	01/15/2019 2:30 - 03:45	B309	Free Industry Sessions
Low GWP Alternative Refrigerants for Cooling - Skills Needs and Solutions	01/15/2019 2:30 - 04:30	B315	Free Industry Sessions
HEEZ: Connected Efficiency with Today’s Technology for Uncompromised Performance in Refrigeration	01/15/2019 2:35 - 02:55	Theater A - room C101	Exhibitor Product & Technology Presentations
POWERTWIST Drive Link Belts Eliminate the Need to Re-tension	01/15/2019 2:45 - 03:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Reaching New Heights in Fan Coil Applications	01/15/2019 2:45 - 03:05	Theater C - room C103	Exhibitor Product & Technology Presentations
The Future of the “Super” Master Systems Integrator	01/15/2019 3:00 - 04:00	B311	Free Industry Sessions
Fan Sizing and Selection: Basics and Fine Points	01/15/2019 3:00 - 04:00	B312	Free Industry Sessions
Your Best Marketing Is Only As Good As Your Total Customer Experience	01/15/2019 3:00 - 04:00	B316	Free Industry Sessions
Forane® R-32 Refrigerant: Its Use Today and a Bridge to the Future in HVAC Applications	01/15/2019 3:05 - 03:25	Theater A - room C101	Exhibitor Product & Technology Presentations
Not Just Another Wheel: The New CR Series Brings Innovation to Forward-curved Blower Wheels	01/15/2019 3:15 - 03:35	Theater B - room C102	Exhibitor Product & Technology Presentations
HLR Technology: Superior HVAC Systems at Lower CAPEX	01/15/2019 3:15 - 03:35	Theater C - room C103	Exhibitor Product & Technology Presentations

Clean IAQ Essential for a Healthy Lifestyle	01/15/2019 3:30 - 04:30	B313b	Free Industry Sessions
Powerful Energy Analytics with Automated Fault Detection	01/15/2019 3:35 - 03:55	Theater A - room C101	Exhibitor Product & Technology Presentations
BACnet Manager for Standard Packaged Equipment	01/15/2019 3:45 - 04:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Leveraging IIoT to Boost Process Efficiency	01/15/2019 3:45 - 04:05	Theater B - room C102	Exhibitor Product & Technology Presentations
New Low GWP Centrifugal Chiller & Commercial Packaged Rooftop Fan Technology	01/15/2019 3:45 - 04:05	Theater C - room C103	Exhibitor Product & Technology Presentations
Variable Frequency Drives: Method of Laboratory Test and a Case Study	01/15/2019 4:00 - 05:00	B313a	Free Industry Sessions
Panel Session: Convergence of Building Automation and IoT Applications	01/15/2019 4:00 - 05:15	B309	Free Industry Sessions
Pre-insulated INCOTHERM® Pipe for the Conduction of Chilled and Hot Water	01/15/2019 4:05 - 04:25	Theater A - room C101	Exhibitor Product & Technology Presentations
Technology Update	01/15/2019 4:15 - 04:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Introducing the New SmartServer IoT Edge Server for Building Management Systems	01/15/2019 4:15 - 04:35	Theater C - room C103	Exhibitor Product & Technology Presentations
Innovative Sedona Open Control with BASpi-BCC (BACnet Client Controller) Powered by Raspberry Pi3	01/15/2019 4:35 - 04:55	Theater A - room C101	Exhibitor Product & Technology Presentations
Solutions for Common Venting High Efficiency Appliances	01/15/2019 4:45 - 05:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Technology Connecting Solutions	01/15/2019 4:45 - 05:05	Theater C - room C103	Exhibitor Product & Technology Presentations
Using Smart Edge Controllers to Easily Manage a Flat and Open Network (BACnet IP, MS/TP, REST API)	01/15/2019 5:05 - 05:25	Theater A - room C101	Exhibitor Product & Technology Presentations
Air Curtains and Heaters, New Generation Devices, Innovation with Modern Industrial Design	01/15/2019 5:15 - 05:35	Theater B - room C102	Exhibitor Product & Technology Presentations
Jobber App: New Team, Scheduling, and Customer-focused Features Provide a Competitive Service Experience	01/15/2019 5:15 - 05:35	Theater C - room C103	Exhibitor Product & Technology Presentations
BIM Technology Workflow	01/15/2019 5:35 - 05:55	Theater A - room C101	Exhibitor Product & Technology Presentations

Maximize ROI in Construction through BIM	01/15/2019 5:45 - 06:05	Theater B - room C102	Exhibitor Product & Technology Presentations
Zero-Maintenance, Zero-Visibility Solid State Micro-Climate Control	01/15/2019 5:45 - 06:05	Theater C - room C103	Exhibitor Product & Technology Presentations
ASHRAE Certification Exams	01/16/2019 8:00 - 12:30	C213	Certification Exams ($)
Commissioning Authority (CxA) Workshop & Exam (2 day program)	01/16/2019 8:00 - 05:00	C207	Certification Exams ($)
New Construction Commissioning and ACP Exam (2 day program)	01/16/2019 8:30 - 05:00	Thomas Murphy Section 1	Certification Exams ($)
UL 1738 (non-metallic vent standard for Categories II, III & IV) and the Introduction of System 1738 Flue Gas Venting	01/16/2019 10:15 - 10:35	Theater A - room C101	Exhibitor Product & Technology Presentations
The All-new APCO-X Air & Coil Treatment System, Designed with the Contractor in Mind	01/16/2019 10:25 - 10:45	Theater B - room C102	Exhibitor Product & Technology Presentations
High Performance Radiant Chilled Sails: Combining Aesthetics and High Energy Efficiency	01/16/2019 10:25 - 10:45	Theater C - room C103	Exhibitor Product & Technology Presentations
The Concealed Air Conditioning Revolution	01/16/2019 10:45 - 11:05	Theater A - room C101	Exhibitor Product & Technology Presentations
Using 3M™ VHB™ Tape In Place of Conventional Fastening Methods	01/16/2019 10:45 - 11:05	Thomas Murphy Section 1	Exhibitor Product & Technology Presentations
Hot Water with an IQ: On-demand Water Heaters & IoT Innovations	01/16/2019 10:55 - 11:15	Theater B - room C102	Exhibitor Product & Technology Presentations
BoilerMag Air, Dirt, and Magnetite Separator - The Best Value Option	01/16/2019 10:55 - 11:15	Theater C - room C103	Exhibitor Product & Technology Presentations
Refrigerant Pressure Transducer Specifically Designed for Hermetically Sealed HVAC/R without O-rings	01/16/2019 11:15 - 11:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Integration of DX 1x1 Air Conditioning Units into BACnet IP/MSTP or Modbus TCP/RTU	01/16/2019 11:25 - 11:45	Theater B - room C102	Exhibitor Product & Technology Presentations
A “Mobile First” Approach to Operations Management Software Will Change Your Contracting Business	01/16/2019 11:25 - 11:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Utilizing SMART Tools to Optimize Leak Testing, Processing, and Manufacturing	01/16/2019 11:45 - 12:05	Theater A - room C101	Exhibitor Product & Technology Presentations
Changing the Pollen Data Landscape	01/16/2019 11:55 - 12:15	Theater B - room C102	Exhibitor Product & Technology Presentations

The World’s First Embeddable Flat Rate Engine from the Pricing Experts	01/16/2019 11:55 - 12:15	Theater C - room C103	Exhibitor Product & Technology Presentations
NEW E500 - Combustion Gas Analyzer for Residential HVAC Installation & Maintenance	01/16/2019 12:15 - 12:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Facility Analytics [FDD, BI Engines & Analytical Dashboards]: Focus Resources on High Impact Tasks	01/16/2019 12:25 - 12:45	Theater B - room C102	Exhibitor Product & Technology Presentations
Yuston - The Pipe's Revolution	01/16/2019 12:25 - 12:45	Theater C - room C103	Exhibitor Product & Technology Presentations
Overwhelmed with Attracting Customers? Introducing Journey 360 & Thriving in a Digital Marketing Age	01/16/2019 12:45 - 01:05	Theater A - room C101	Exhibitor Product & Technology Presentations
The Future of Field Service Management with IoT	01/16/2019 12:55 - 01:15	Theater B - room C102	Exhibitor Product & Technology Presentations
Payzerware: Expand Your Maintenance Agreements	01/16/2019 12:55 - 01:15	Theater C - room C103	Exhibitor Product & Technology Presentations
New Motor & Drive Solutions for the HVAC Industry	01/16/2019 1:15 - 01:35	Theater A - room C101	Exhibitor Product & Technology Presentations
Legend Connect	01/16/2019 1:25 - 01:45	Theater B - room C102	Exhibitor Product & Technology Presentations
Automatic Balancing Solutions	01/16/2019 1:25 - 01:45	Theater C - room C103	Exhibitor Product & Technology Presentations
The Dirty Little Secret Associated with High Turndown	01/16/2019 1:45 - 02:05	Theater A - room C101	Exhibitor Product & Technology Presentations