

EBCx Services Presentations, Publications & Awards

Presentations

- Mechanical Contractors Association of South FL (MCASF) “Introduction of Energy Auditing for HVAC Professionals” Miami, FL. November 29, 2017
- Mechanical Contractors Association of South FL (MCASF) “Energy Auditing for HVAC Professionals” Miami, FL. February 22, 2018
- National Environmental Balancing Bureau (NEBB) “Retro Commissioning Training Seminar”. Portland/June 2013, Atlanta/April 2014, DC/June 2014, Honolulu/April 2015, Gaithersburg/September 2016
- National Environmental Balancing Bureau (NEBB) “Commissioning Technician Training Seminar”. Dallas, TX, April 2017
- ICMA Conference, Case Study of Energy Audit at Tri Cities Regional Airport, October 2015 in Seattle
- Society of Military Engineers Mid-Atlantic Regional Joint Engineer Training Symposium, “Retro Commissioning” Chantilly, VA, November 2014
- Johnson Controls “Developing Energy Projects-Asia Rotation Program” Milwaukee / March 2013
- Johnson Controls Service Sales University (SSU), “Energy” / six presentations over 2011-2013
- GreenBiz Webcast “Ongoing Commissioning”, November 2013 (co-presented)
- Johnson Controls, Energy Bootcamp for Service Sales, Los Angeles / April 2010
- Association of Energy Engineers (AEE) “Effective Energy Management Controls”, Knoxville / June 2013
- Refrigeration Service Engineers Society (RSES) “Energy Conservation for HVAC System Optimization”, Boston/June 2009, Chicago/March 2010
- South Florida Contractors, “Energy Conservation for HVAC Professionals”, Miami / September 2010
- South Florida Building Engineers, “Air Conditioning for the Maintenance Professional”, Miami / April 2007
- National Association of Power Engineers (NAPE), “Energy Conservation for HVAC System Operation, Maintenance and Optimization”, Fort Lauderdale / May 2006
- National Association of Power Engineers (NAPE), “Indoor Air Quality and HVAC System Interaction”, Fort Lauderdale / September 2005

Publications

- ASHRAE Guideline 0.2 “The Process to Commissioning Existing Buildings and Assemblies”, (co-authored as a voting member of the committee). Published October 2015.
- ASHRAE Guideline 1.2 “The Process to Commission Existing HVAC&R Systems”, (co-authored as a voting member of the committee). Expected publish date is late 2018.
- NEBB/ANSI S120 Technical Retro-Commissioning (RCx) of Existing Buildings Procedural Standard, (co-authored as a voting member of the committee). This Standard was developed as an ANSI document, and approved by ANSI in December 2016.

- NEBB/ANSI S110 Whole Building Technical Commissioning of New Construction Procedural Standard, (co-authored as a voting member of the committee). This Standard was developed as an ANSI document, and approved by ANSI in February 2018.
- NEBB Handbook for Energy & Water Calculations, (co-authored as a special project of the Building Systems Commissioning Technical Committee). Published October 2015.
- ASHRAE Journal, “Technical vs. Process Commissioning, Ongoing Commissioning”, November 2014, pgs. 26-35, (co-authored).
- ASHRAE Journal, “Technical vs. Process Commissioning, Measurement and Verification”, August 2014, pgs. 32-37, (co-authored).
- Canadian Journal of Green Building & Design, “Retro Commissioning Optimizes Building Systems to Meet Operational Requirements” September-October 2011, pgs. 48-50.
- HPAC Magazine, “Targeting Energy Savings with RCx”, February 2012.
- RSES Journal, “Commissioning Existing HVAC Systems”, January 2008.
- RSES Journal, “IAQ, Retuning Commercial Buildings”, February 2012.
- RSES Journal, “Technical Retro-Commissioning”, April 2017.
- RSES Journal, “TAB for the HVAC&R Professional”, September 2017.
- RSES Journal, “Energy Audits”, February 2018.
- HVACR Business, “Improve Building Performance through Retro Commissioning”, February 2007.
- Condo Management Magazine, “Energy Conservation for HVAC Systems” May 1998.

Awards

- Contracting Business Magazine, 2001 Design Build Award for New Construction, Swiss Caps Pharmaceutical Plant, Miami, FL
- Contracting Business Magazine, 2003 Design Build Award for Retrofit, Second Place, NOAA Ice Storage Plant, Miami, FL
- Johnson Controls, Outstanding Achievement Team Member Award, for obtaining LEED Existing Building Operations & Maintenance Certification at Miller Park in Milwaukee, WI (2013). First stadium to achieve LEED Certification with a retractable roof.