

Programs for the Louisville Meeting (June, 2009):

Seminar 13 (Intermediate)

Sunday, June 21, 11:00 AM - 12:30 PM

Guideline 1.1: What's New with this New Commissioning Guideline?

Sponsor: SGPC-0, 7.9 Building Commissioning

Track: Applications

Chair: Sarah E. Maston, P.E., Member, RDK Engineers, Andover, MA

Four presenters provide an overview of what recently-published ASHRAE Guideline 1.1-2008, HVAC & R Technical Requirements for the Commissioning Process, has to say about activities to support the HVAC&R commissioning process during each phase of the building acquisition process -- namely pre-design, design, construction, and occupancy and operations. Emphasis will be placed on what's new in Guideline 1.1 and how it relates to ASHRAE Guideline 0, The Commissioning Process.

1. Highlights of Guideline 1.1: Pre-Design Phase

Gerald Kettler, P.E., Member, AIR Engineering and Testing, Inc., Dallas, TX

2. Highlights of Guideline 1.1: Design Phase

Joseph R. Anderson, P.E., Member, Anderson Engineering, Germantown, TN

3. Highlights of Guideline 1.1: Construction Phase

Thomas Cappellin, P.E., Member, Hanson Professional Services Inc., West Palm Beach, FL

4. Highlights of Guideline 1.1: Occupancy and Operations Phase

Tim Corbett, P.E., Member, Social Security Administration, Baltimore, MD

Seminar 53 (Intermediate)

Wednesday, June 24, 9:45 - 10:45 AM

Sustainable Large Office Building Design and Commissioning

Sponsor: 9.8 Large Building Air-Conditioning Applications, 7.6 Systems Energy Utilization, 7.9 Building Commissioning, 9.1 Large Building Air-Conditioning Systems

Track: Large Building Systems

Chair: John Harrod, P.E., Member, Benham Companies, Oklahoma City, OK

This program focuses on sustainable design concepts and commissioning of a large office building constructed and occupied by a large health insurance company. The building is anticipated to achieve LEED Gold certification and achieve 30% less energy consumption than ASHRAE Standard 90.1. The owner has also incorporated a continuous commissioning program into BAS and CMMS systems to assure the building maintains its low energy consumption status through its lifetime.

1. Design and Commissioning of a LEED Gold Large Office Building

Robert L. Cox, P.E., Member, Jacobs Engineering, Cary, NC

2. Development and Implementation of a Continuous Commissioning Program for a Large LEED Gold Office Building

Michael Patrick, P.E., Member, Blue Cross Blue Shield of North Carolina, Chapel Hill, NC

Seminar 59 (Intermediate)

Wednesday, June 24, 11:00 AM - 12:30 PM

Using Cx to Improve Sustainability and IAQ of Existing Buildings

Sponsor: 7.9 Building Commissioning

Track: Operational Topics

Chair: Sarah E. Maston, P.E., Member, RDK Engineers, Andover, MA

In these case studies, the importance of commissioning and the role it plays in the increasing of sustainability and IAQ in existing buildings is investigated.

1. Using Cx to Manage IAQ and ATC for Two Existing Building Renovations on their Way to LEED

Joseph R. Anderson, P.E., Member, Anderson Engineering, LLC, Germantown, TN

2. Factors that Affect IAQ and the Lifespan of New and Existing Buildings

Harry J. Enck, Associate Member, Commissioning & Green Building Solutions, Inc., Buford, GA

3. Cx and the Three Builders: Bob the Builder, Joe Bob the Builder, and Robert Builders Inc.

Charles R. Snowden, P.E., Associate Member, Bureau of Building, Grounds, and Real Estate Property Management, Jackson, MS