

## **Programs for the Long Beach Meeting (June, 2007):**

### **Seminar 63**

Wednesday, June 27, 9:15 - 10:45 AM .

#### **Commissioning Sustainable Buildings**

*Sponsor: TC 07.09 Building Commissioning*

*Chair: Gerald J. Kettler, P.E., Member, AIR Engineering and Testing, Inc., Dallas, Texas*

Commissioning is a quality process that ensures that buildings perform to owners' project requirements. Much attention has recently been focused on sustainable buildings, which often include new technologies and integrated design features. This seminar discusses several aspects of sustainable buildings and how important that commissioning is in ensuring maximum performance. Topics include planning and design phase goals, getting full value, and achieving optimum indoor environmental quality.

#### **1. Planning and Design Phase Commissioning to Achieve Sustainability Goals**

Jeff J. Taylor, Member, Emcor, Durham, NC

#### **2. Getting Full Value from Your Green Building Investment**

Henry J. Enck, Member, Commissioning and Green Building Services, LLC, Buford, GA

#### **3. Commissioning for Indoor Environmental Quality**

Elia M. Sterling, Member, Theodore D. Sterling & Assoc. Ltd, Vancouver, BC, Canada

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### **Forum 18**

Wednesday, June 27, 11 AM - 12 PM

#### **What Topics Should be Included in the Credentialing Program on Commissioning?**

*Sponsor: Certification Committee; TC 07.09 Building Commissioning*

*Moderator: Gerald J. Kettler, P.E., Member, AIR Engineering and Testing, Inc., Dallas, TX*

This forum discusses the focus of an ASHRAE initiative to develop a certification program for building commissioning professionals. The certification program is being developed as part of the ASHRAE Strategic Plan. Attendees discuss the specific body of knowledge needed by commissioning professionals to ensure that the building systems will operate as intended by owners.

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### **Seminar 78**

Wednesday, June 27, 12:15 - 1:45 PM

#### **Measurement and Verification for Retro-commissioning**

*Sponsor: TC 07.09 Building Commissioning*

*Chair: Kristin H. Heinemeier, Ph.D., P.E., Member, Portland Energy Conservation, Inc., Davis, CA*

Measurement and verification, which has been a cornerstone of energy efficiency for some years, is a more difficult proposition for retrocommissioning projects and programs. The broad number of possible interventions and vague definition of the impact of those interventions provides significant challenges. On the other hand, retro-commissioning is a data-rich endeavor, and it is possible to assess the impacts of retro-commissioning interventions in ways that are not possible for some other measures. This seminar explores experience with measurement and verification for retro-commissioning in several types of programs, and identifies activities underway to develop better methods.

**1. Measurement and Verification Methods Applied to Retrocommissioning Projects**

Mark Stetz, P.E., Member, Nexant, Boulder, CO

**2. The Retrocommissioning Process with an Emphasis on Measurement and Verification**

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

**3. Benefits of Integrating M&V in RCx Projects**

David A. Jump, Ph.D., P.E., Member, Quantum Energy Services and Technologies, Inc., Berkeley, CA

**4. M&V for Determining ESCO Payments: A Case Study**

Tarek Bou-Saada, Member, Texas - Human Health Services Commission, Richmond, TX