

## **Programs for the Nashville Meeting (June, 2004):**

### **Seminar 22**

Monday, June 28, 8:00-10:00 AM

#### **Impact of Commissioning on Today's Systems**

*Sponsor: GPC 1; TC 07.09 Building Commissioning*

*Chair: Carl N. Lawson, Member, PWI Commissioning Services, Durham, NC*

Now that commissioning has taken on a new look as “business as usual,” and with some people still saying that it adds cost to the building, speakers show how commissioning has impacted systems and facilities with better systems, from an operational and maintenance perspectives and given owners what they had envisioned.

#### **1. Impact of Commissioning from a Provider's Viewpoint**

Paul Tseng, P.E., Member, Advanced Buildings Performance, Potomac, MD

#### **2. Impact of Commissioning from an Engineering Viewpoint**

Robert Cox, P.E., Member, Farnsworth Group, St. Louis, MO

#### **3. Impact on Commissioning from Construction Manager Viewpoint**

Thomas Killian, Bovis Lend Lease, Durham, NC

#### **4. Impact of Commissioning from an Owner's Viewpoint**

Kimball Ferguson, P.E., Duke University Health Systems, Durham, NC

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### **Seminar 55**

Wednesday, June 30, 10:15 AM - 12:15PM

#### **Retro Commissioning**

*Sponsor: TC 07.09 Building Commissioning*

*Chair: Andrew P. Nolfo, P.E., Member, National Environmental Balancing Bureau, Sun City West, AZ*

The requirements for retro-commissioning differ from commissioning a new facility. Speakers discuss the differences involved and present case studies that identify these requirements.

#### **1. Retro-Commissioning Training**

Charles H. Culp, Ph.D., P.E., Member, Texas A&M University, College Station, TX

#### **2. Airport Terminal Retro-Commissioning**

David Claridge, Ph.D., P.E., Member, Texas A&M University, College Station, TX

### **3. Lessons Learned from Retro Commissioning Federal Building**

Timothy Corbett, Member, Social Security Administration, Baltimore, MD

### **4. Just How Good Is Our Best Building?**

Stephens R. Wiggins, Member, Newcomb & Boyd, Atlanta, GA

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#### **Seminar 9**

Sunday, June 27, 10:15 AM - 12:15 PM

#### **Green Buildings: Practical Experiences with Commissioning**

*Sponsor: TC 02.08 Building Environmental Impacts and Sustainability*

*Chair: Stephen C. Turner, P.E., Member, P. Eng, CIAQP, Brown University, Providence, RI*

Speakers' experiences with commissioning LEED buildings ranging from certified to platinum are discussed, including a review of systems used in buildings and issues raised in their commissioning. Lessons learned are summarized, and conclusions drawn on the impact of the LEED rating process on the successful commissioning of each project. Practical benefits of integrating the management of LEED certification with the commissioning process are presented. All speakers were contributors to the recently published ASHRAE GreenGuide.

#### **1. Six LEED Buildings: Certification and Commissioning Experiences**

Malcolm Lewis, P.E., Member, CTG Energetics, Inc., Irvine, CA

#### **2. Making High- Performance Buildings Work**

Paul A. Torcellini, Ph.D., P.E., Member, National Renewable Energy Laboratory, Golden, CO

#### **3. Integrating LEED Certification with Commissioning**

H. Jay Enck, Member, Commissioning and Green Building Services, Commerce, GA

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#### **Forum 16**

Monday, June 28, 11:15 AM - 12:05 PM

#### **How Do We Compile a Statistical Sampling for the Commissioning Process?**

*Sponsor: Guideline Project Committee 0 – The Commissioning Process*

*Moderator: Walter T. Grondzik, Member, Florida A&M University, Tallahassee, FL*

*Co-Moderator: Charles E. Dorgan, Ph.D., P.E., Fellow, Life Member, University of Wisconsin - Madison, Madison, WI*

This forum addresses the requirement for effective verification during all phases of the commissioning process from pre-design through occupancy using random and statistically based sampling of the total population. The goal is a discussion of how commissioning authorities and owners are achieving statistical based sampling and whether there are any requirements for research.

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**Forum 20**

Tuesday, June 29, 11:15 AM - 12:05 PM

**Test and Balance and Commissioning: Can Both Be Done by the Same Agency?**

*Sponsor: TC 07.07 Testing and Balancing*

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

Testing, adjusting and balancing is a prerequisite for commissioning. Some agencies provide both test and balance and commissioning services. Others believe that the services must be provided separately due to potential conflicts of interest. This forum discusses both options with the intent of providing guidance to the technical and project committees on future programs and publications.