Programs for the Las Vegas Meeting (January, 2017):

Seminar 19
Sunday, January 29, 2017, 3:15 PM-4:45 PM

Walking the Walk: Delivering a Truly High Performance Building
*Sponsor:* 7.3 Operation and Maintenance Management, 7.9 Building Commissioning, 7.6 Building Energy Performance
*Track:* Building Operation and Performance
*Chair:* Alyse Falconer, P.E., Interface Engineering, San Francisco, CA

The lifecycle of a new construction project can last several years. Initial goals are set by the team with high aspirations but are often deviated from as the process continues. Tracking and monitoring the project’s energy goals through design deliverables, energy analysis and commissioning reports is crucial for adhering to objectives. However, what happens when unforeseen issues occur? Does the team achieve the owner’s aspirations? This presentation reviews achieving client goals while working through obstacles, from design inception through occupied building. Working together as a high performance team, performance goals can be achieved and confirmed through post-occupancy measurement and verification.

1. Architect and Engineer: An Evolving Relationship Required for Synergy within Sustainable Design
Evan Jacob, AIA, Interface Engineering, San Francisco, CA

2. HVAC Design Options: Navigating Owners and Architects through HVAC Systems to Provide Client Specific Solutions
Alyse Falconer, P.E., Member, Interface Engineering, San Francisco, CA

3. Commissioning: Why Designers, Owners and Operators Should Care
Michael Flemming, P.E., Associate Member, Interface Engineering, San Francisco, CA

4. Integrating Energy Analysis into Design: How to Ensure Predicted Energy Utilization Index Values Are Achieved
Anna Brannon, P.E., BEMP, Interface Engineering, San Francisco, CA

Seminar 53
Tuesday, January 31, 2017, 11:15 AM-12:45 PM

Commissioning a Central Chilled Water Plant
*Sponsor:* 6.1 Hydronic and Steam Equipment and Systems, 7.9 Building Commissioning
*Track:* HVAC&R Systems and Equipment
*Chair:* Thomas E. Cappellin, P.E., Cappellin Consulting Services, Springfield, IL
Preparing equipment and assemblies for final check-out verification, start-up procedure and proper operation requires a coordinated activity of testing, adjusting, measurement and documentation that will ensure a successful result. This session describes how the commissioning process would be applied to achieve a successful chilled water plant operation needed to comply with the owner's project requirement and the design documents.

1. Commissioning Chilled Water and Condenser Water Pumps
   David Cohen, P.E., Member, Grumman/Butkus Associates, Evanston, IL

2. Commissioning a Cooling Tower
   Stephen Wiggins, Member, Newcomb & Boyd, Atlanta, GA

3. Commissioning a Water-Cooled Chiller
   Stephen Wiggins, Member, Newcomb & Boyd, Atlanta, GA