Scope:
TC 7.1 is concerned with facilitating interaction among all building disciplines, from earliest concept development throughout the building life cycle, in order to achieve integration of design efforts and operation of the total building.

Subcommittee Meetings:
Research - Sunday, June 28, 2015 5:00-6:00p, Room 305, 3rd floor, Atlanta Hilton, Atlanta, GA
Program - Sunday, June 28, 2015 6:00-7:00p, Room 305, 3rd floor, Atlanta Hilton, Atlanta, GA

Program Activity:
Sponsored or Co-Sponsored by TC7.1: none

Main Committee Meeting: Monday, June 28, 2015 8:15-10:30 AM Room 210, 2nd floor, Atlanta Hilton
A. Call to Order – LeViseur – 8:15 AM
B. Roll Call – LeViseur
  • Quorum achieved
C. Introductions – LeViseur

<table>
<thead>
<tr>
<th>IBD Attendance June 29, 2015</th>
<th>Affiliation</th>
<th>Self Reported Membership</th>
<th>YEA Member</th>
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D. Review of Agenda – LeViseur
E. Approval of Minutes from Winter Meeting 2015 Chicago Meeting – LeViseur
  • Krishnan Gowri moved to approve. Elyse Malherek seconded. Unanimous approval
F. Roster Review – LeViseur
  • Greg Dobbs was not added as a non-quorum voting member. Suzanne LeViseur to revise roster to recognize Greg Dobbs as non-quorum voting member.

G. Subcommittee Reports
1. Handbook – LeViseur
   • TC 7.1 is responsible for the Integrated Building Design, currently Chapter 58 in the 2015 Applications handbook
   • The handbook chapter was a full rewrite and was accepted for publication
2. Research – Gowri
   • Two RTARs in development, to be ready by the next meeting
     o Strategies for IPD to increase business value. Determine the benefits of the IPD process and strategies for evaluating effectiveness. Michel Tardif to champion.
     o Key performance processes for high performance building design. Zhia from ESL to champion.
3. Programs –
   • Orlando
     o Submission deadline is August 10th
     o BIM Case Studies
     o Design Build vs Design Bid Build
     o Energy Efficiency in O&M through Integrated Design for Building Assets
4. Specifications:
5. Special Publications:
   - None
6. Webmaster
   - TC website now listed on main ASHRAE website
   - Google Groups to be replaced by Base Camp
   - Invitations will be sent to all TC members and interested parties when available.

H. Old Business
1. CSI CSI/ASHRAE UniFormat Collaboration
   - None
2. TC 7.1 Liaisons to Other Committees:
   a. BIM MTG – Malherek
      - Dennis Knight will roll off as BIM MTG chair. Krishnan Gowri will roll on as chair and
        Elyse Malherek to be vice-chair. As a result, Dennis would like to stay involved and will
        become our TC liason to BIM MTG some time next year
      Residential Buildings
      - Background: PURPOSE: Define minimum requirements for providing energy design
        assistance using building energy simulation and analysis.
        Draft has advanced. Unsure on the status
   c. TC 7.2 Design Build
      - Mitchell Swann indicated they have some
   d. Section 9: TC7.1 liaisons to the indicated TC of Section 9:
      - Krishnan is the incoming section 9 head.
        - TC9.1 –Large Building Air-Conditioning Systems- Rachel Romero to take over liason duties
        - TC9.2 – Industrial Air Conditioning - NONE
        - TC9.4 – Justice Facilities - LeViseur
        - TC9.6 – Healthcare Facilities - Austin
        - TC9.7 – Educational Facilities - Atkinson (LeViseur as back-up)
          o Dwindling participation
        - TC9.8 – Large Building Air-Conditioning Applications - Austin
        - TC9.9 – Mission Critical Facilities Data Centers, Technology Spaces, and Electronic
          Equipment - NONE
        - TC9.10 – Laboratory Systems - Atkinson
          o Lab design guide will be available in July
        - TC9.11 – Clean Spaces- Swann
          o RFPs for particle generation rates in pharmaceutical and semi conductor
          o There are rules of thumb for air change rates, but initial studies show that the air
            change rates are higher than they need to in order to meet the particulate limits.
            Additional air changes results in excessive energy use.
          o Research may be complete next May, pending some scope creep
        - TC9.12 – Tall Buildings - NONE
   e. MTG, EAS –Simmons
   f. MTG.BPM –Dobbs
      MTG O&M EE Operations and Maintenance Activities That Impact Energy Efficiency
      - MTG formed based on impetus of California incentive program for operations and
        maintenance. Some people are calling to remove the O&M incentive program because
        it’s not cost effective. MTG developed to get member support for this and other O&M
        issues.
      - Thursten Simonsen to chair the MTG
      - Elyse Malherek to act as liason to MTG to represent TC 7.1
3. ALI IBD Course – Gulledge
   - None

I. New Business
1. TC 4.1 published “Method of Test for Determining Heat Gain of Office Equipment Used in Buildings”
   - Just released standard
   - Intent is to have manufacturers test their own equipment and publish the actual performance
     to replace the every 5 year equipment load research.
2. Energy Modeling Conference
• Whole week in Atlanta in August.
• 5th energy modeling conference with 200 to 400 attendees.
• Next year to coordinate with IBPSA
• The Lowdown Showdown this year will incorporate teams doing energy models to get as close to net zero as possible.

J. **Next Meeting:** Monday, January 25, 2016, Orlando, FL
K. **Adjournment 9:20**