

ASHRAE 2015 Annual Meeting – Atlanta, GA

TC 7.1 Integrated Building Design

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

IBD Attendance June 29, 2015				
Name	Email	Affiliation	Self Reported Membership	YEA Member
Suzanne LeViseur	sleviseur@haddadeng.com	Haddad Engineering	Voting, Chair	No
David Norvell	david.norvell@ucf.edu	UCF	Provisional Corresponding Member	No
Krishnan Gowri	krishnan.gowri@autodesk.com	Autodesk	Voting, Research Chair	No
Dennis Knight	dknight@wholebuildingsystems.com	WBS	Voting	No
Mitchell Swann	swann@mdcsystem.com	MDC Systems	Voting	No
William Chadwick	william.c.chadwick@utc.com	UTC - Advantec	Guest	No
Jason Atkisson	jatkisson@aeieng.com	Affiliated Engineers	Voting	No
Rachel Romero	rachel.romero@nrel.gov	NREL	Corresponding	Yes
Michel Tardif	mitardif@nrcan.gc.ca	NRCAN	Voting, Vice-Chair	Yes?
Kevin Amende	kamende@me.montana.edu	MSU	Corresponding	No
Andrew Windham	windham@appstate.edu	Appalachian State University	Guest	Yes
Elyse Malherek	elysem@twqi.com	The Weidt Group	Voting, Webmaster	Yes
Russell Taylor	taylorrd@utrc.utc.com	United Technologies	Provisional Corresponding Member	No
Thursten Simonse	thursten@simonsens.net	McKinstry	Provisional Corresponding Member	No
Jaya Mudhopadley	jayamuklopadyoy@tcccs.tamus.edu	Energy Systems Lab	Guest	No
Stephanie O'Dea	stephanie.i.odea@jci.com	JCI	Guest	Yes
Jonathan Olsen	jon.olsen@bigassans.com	Big Ass Fans	Guest	Yes

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*
 - *Strategies for IPD to increase business value. Determine the benefits of the IPD process and strategies for evaluating effectiveness. Michel Tardif to champion.*
 - *Key performance processes for high performance building design. **Zhia** from ESL to champion.*

3. **Programs** –

- *Orlando*
 - *Submission deadline is August 10th*
 - *BIM Case Studies*
 - *Design Build vs Design Bid Build*
 - *Energy Efficiency in O&M through Integrated Design for Building Assets*

4. **Specifications:**

- None
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*
 - b. SPC 209 – *Dobbs - Energy Simulation Aided Design for Buildings Except Low-Rise 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 Facilites - Atkinson (LeViseur as back-up)*
 - *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*
 - *Lab design guide will be available in July*
 - *TC9.11 – Clean Spaces- Swann*
 - *RFPs for particle generation rates in pharmaceutical and semi conductor*
 - *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.*
 - *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 Simonsens 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**

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