TC 1.5 Computer Applications

TC 1.5 Public Web site: http://tc15.ashraetcs.org/

TC 1.5 ListServ (mailing list) : tc105_all_lst@listman.ashrae.org   (Contact chair or vice chair to be added)

TC 1.5 Members-only Site: https://sites.google.com/site/ashraetc15/   (Contact chair or vice chair for access)

Main Committee Meeting   **Monday 6:30-9:00 p.m.**   **(CC) 006B (R)**

> Sponsoring: Seminar 06: ASHRAE Guideline 20 and Better HVAC Software: A
> BIM Perspective – Sunday 8:00 AM, Room (CC) 103B

1. **Call to Order –** Meeting called to order at 6:00 PM.

2. **Welcome – Introductions**

    a. **Roll Call** – Bhandari, Billedeaux, Bornside, Bourassa, Branson, Crosby, Dwyer, Galler, Gayesie, Gottshall, Kennedy, Penar, Pouchak, Rau, Rosen, Roth, Sheen, Welle

    b. New Vice Chair- Ben Welle volunteered to be Vice Chair

3. **Review of Agenda**- agenda was reviewed

4. **Approval Of Minutes from 2012 Winter Conference in Chicago**

    a. Minutes from 2012 Winter Conference in Chicago were not available

5. **Review Action Items from 2012 Winter Conference in Chicago**

Responsible Member	Description	Due Date	Completion Date	Status
Galler	Reserve San Antonio Room locations	Feb 2012	Feb 2012	Completed.
Galler	Letter to president about room assignments			
Other action items.				

6. **Subcommittee Reports**
    a. Handbook – *Steven Rosen*
        i. The chapter was recently reviewed by a few volunteers.
        ii. The committee at large is asked to review the chapter.
        iii. There is a new handbook liaison.
        iv. The Online version of the handbook and the Online Plus version will be combined.
    b. Research – *John Kennedy*
        i. Art Geisler is still the Section 1 research liaison
            1. There is a "Drought" of RTAR's- encouraging submissions.
            2. Research is spending $2.7 mil this year.
            3. Tech week is Aug 15.
            4. Keep Art in the loop on any RTAR's.
            5. 1468- ongoing, but in closing stages-
                a. "DEVELOPMENT OF REFERENCE BUILDING INFORMATION MODEL (BIM) FOR THERMAL MODEL COMPLIANCE TESTING".
                b. No cost extension requested thru August 31- vote approving extension is unanimous,
                c. Timeline for deliverables is in August.

    d. Last phase of comments in next two weeks.

    e. PI will have it finished for Dallas meeting.

  ii. 4 ideas from Research Subcommittee meeting:

    1. Pouchak- RTAR Rewrite- HVAC system performance and thermal comfort control using work and data exchange processes- rewrite to be more focused on scope.

    2. Bourassa- with TC 4.2- move ASHRAE content to electronic delivery method.

    3. Galler- hardware security- SCADA systems.

    4. Kennedy and Branson- Develop list of possible RTAR topics based on 1468.

  iii. Welle- Writing a RTAR to create data model to integrate data models – concept and write-up will be refined.

  iv. Research training:

- 19 awarded, 28 completed
- 62 active, 11 closing soon
- 5 proposals were reviewed in the spring, all were rejected.
- 6 conditionally approved
- No backlog of research
- Research Liaison should review proposals before they are submitted.

  v. Mini conference in Denver

c. Emerging Applications – *Norm Bourassa*

  i. Controls security – Galler.

  ii. Modernizing ASHRAE methods of delivering content- TC 4.2 is discussing topic too.

    1. How to take advantage of online methods to deliver content.

d. Program – *Stephen Roth*

  i. Submitted 2 for San Antonio, as sponsors, one was accepted:

    1. Seminar 6- Hitchcock, Barnaby, and Welle spoke, attendance was 75.

    2. Interoperability schemas for building design- not accepted, resubmitting for Dallas.

    3. Program co-submitted with TC 7.1- not accepted, not resubmitted.

  ii. August 13 deadline for submitting new seminars.

  iii. Sept 14- notification of acceptance.

  iv. Agenda uploaded to Google.

  v. New topics:

    1. Emerging BIM apps outside standard AE practice- Branson.

    2. Emerging computer tech for HVAC- Pouchak 3 speakers signed, will submit.

    3. Optimized HVAC data consumption …. No lead, done.

    4. Security for HVAC automation – BACnet, NIST security. Branson will lead, Billedeaux, Pouchak- NIST wifi security

    5. Interoperability schemas for building design- gbXML, how it progressed. 3 speakers, resubmitting.

    6. Capturing design intent in BIM- hold till Denver.

    7. New mobile apps for fieldwork- Roth- needs speakers.

      a. TC 2.7 had discussion on mobile apps- Roth will contact.

    8. BIM for dummies- Roth – Cosponsor with TC 7.1.

    9. Dwyer- 3 speakers, info on Google docs bit.ly/tc15idea:

      a. Practical deficiencies of current BIM models- Branson.

      b. Difficulties in producing useful BIM objects- Rau.

      c. Looking for someone with case studies- Rosen has a connection.

    10. Billedeaux- Gayesie mentions RP 1613 is similar.

            vi. Stats- 50% of proposals for San Antonio were accepted.
- e. Web Page – *Steven Rosen*
  - i. Rosen is not updating it, Galler will take over website.
  - ii. Billedeaux- minutes are the most important thing on the website.
  - iii. TPS and minutes- Galler will add.
- f. PMS 1468– *Dave Branson*
  - i. No cost extension until August approved by TC 1.5.
- g. T&P – *Dave Branson*

7. **Chair's Report**
   - a. Dinner plans:
     - i. Branson- Me Tierra?
   - b. Announcements – none.
   - c. Step-up-to-the-plate awards- Welle for stepping up to be VC.

8. **Liaison Reports**
   - a. GPC-20 – Welle- discussed Sunday morning presentation:
     - i. Working group for web page.
     - ii. Working on article for January issue of ASHRAE journal.
     - iii. Group to develop additional content.
     - iv. Group to work with Lewis's RTAR.
     - v. Discussed possibly making BIM's more user friendly- putting template on website. Would increase accessibility of BIMs.
     - vi. Problem is people won't pay for standard- accessibility issue. Billedeaux will help. Notes that board approval that SGPC 20 will be free is in the minutes.
   - b. IAI/BIM Society Subcommittee Report – *Steven Rosen*
     - i. ASHRAE would like BIM development to define definitions.
   - c. Others- none.

9. **Old Business-** none.

10. **New Business-** none.

11. **Next Meeting Times** – ASHRAE Winter Conference, Dallas, TX January 26-30, 2013
    - a. 1468 not needed at next meeting.

12. **Adjournment**
    - a. Branson moved, Rosen seconded. 8:45 PM

New action items

   1- Galler: reserve rooms for Dallas

   2- Galler: write letter complaining about PMS scheduling.

   3- All- review Handbook chapter.