

ASHRAE MEETING – June 23, 2019, Kansas, MO  
 ASHRAE TC 7.4 EXERGY ANALYSIS FOR SUSTAINABLE BUILDINGS  
 Meeting Agenda/Draft minutes

*TC 7.4 Exergy Analysis for Sustainable Buildings*  
*Sunday 8a.m. – 10a.m.*  
*Location: KCCC, 2208*

1. Call to order. (Chair)  
 Introduction of Members, Guest and Liaisons
2. Roll Call and Quorum Determination (Chair):

Name	Role	Present
Wangda Zuo	Chair, <b>VM</b>	Yes
Brian W. Meneghan	Vice-Chair, <b>VM</b>	No
William Kopko	Secretary, <b>VM</b>	Yes
Birol I Kilkis	Handbook Sub. Chair, <b>VM</b>	No
Zidu Ma	Research Sub. Chair, <b>VM</b>	Yes
Robert Bean	ALI Coordinator, Non-VM	No
Egils Dzelzitis	<b>VM</b>	<b>No</b>
Ongun Berk Kazanci	Program Sub. Chair, <b>VM</b>	Yes
Dolaana Khovalyg	Membership Sub. Chair, <b>VM</b>	Yes
S A Sherif	<b>VM</b>	<b>Yes</b>
Sen Huang	Webmaster, Non-VM	Yes

9 voting members and 6 were present.

3. Reading of the Title and Scope of TC 7.4 (Wangda Zuo)  
 TC 7.4 Exergy Analysis for Sustainable Buildings  
 TC 7.4 is concerned with all exergy aspects of energy and power utilization of systems and equipment for comfort and service, assessment of their impact on the environment, and development of analysis techniques, methodologies and solutions for environmentally safer, sustainable low-exergy buildings.
4. Review of Agenda (Wangda Zuo):
5. Review of Meeting Minutes of Atlanta (Wangda Zuo) approved with corrections 5/0 (Ongung was not present during the voting)
6. ASHRAE Liaisons Reports (5 minutes each. Written reports for distribution preferred)
7. Chair's Progress Report (Wangda Zuo)  
 Proposed reorganization of TCs: Based on the feedbacks, ASHRAE defers the reorganization to TC and sections. Need to create a vision statement in addition to the scope.
8. MEMBERSHIP S/C Chair Report (Dolaana Khovalyg): Interest continues to expand. Mike Trantham

will be taking over as the membership chair.

9. HANDBOOK S/C Chair Exergy Based Design Rules (Birol I Kilkis): Wangda will follow up on the status and deadlines for the handbook.
10. RESEARCH S/C Chair Report (Zidu Ma): Dolaana described a RTAR that she has drafted and distributed an example outline of analysis for a domestic hot-water system. Wangda described his experience with RTARs and the necessity to provide an output that direct use for ASHRAE such as an update to the handbook, software that can be sold, etc. Dolaana will update the RTAR based on the feedback and comments.
11. PROGRAM S/C Chair Report (Ongun Berk Kazanci) (Discussion occurred before item 8.)

Kansas City program:

*Seminar 51: Low Mass Radiant Systems*; Tuesday, 11:00-12:30PM; KCCC 2101 (co-sponsor)

*Seminar 67 An Alternative View of Radiant Heating and Cooling Systems via Exergy Analysis (sole sponsor)* Wednesday, 11:00 AM–12:30 PM; KCCC, 2203

Orlando 2020 conference 2-1 to 2/5

August 2 is the due date for seminar request. Possible presentations include: Distribution systems (Ongun), domestic hot water (Dolaana), envelope / heat recovery (Bill), applications (Mike). Possible title: Exergy analysis outside the central plant (suggestion from Bill).

Craig Messmer, section chair, visited and congratulated Wangda on his term as chair and provided an update.

12. Standards: No updates
13. Website (Sen Huang): Minutes have been uploaded.
14. New ideas: None discussed.