

ASHRAE TC 7.4 EXERGY ANALYSIS FOR SUSTAINABLE BUILDINGS
 ASHRAE MEETING – June 24, 2018, Houston, TX
 Meeting Minutes

TC 7.4 Exergy Analysis for Sustainable Buildings
Sunday 8a.m. – 10a.m.
Location: Hilton Floor 2: Room 230
Minutes Taker: William Kopko

1. Call to order. (Chair)
 Introduction of Members, Guest and Liaisons

2. Roll Call and Quorum Determination (Chair):

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

Seven of nine voting members are present for a quorum (including two by phone).

3. Wangda Zuo read of the Title and Scope of TC 7.4
 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): No changes to agenda.
5. Review of Meeting Minutes of Chicago, CA (Wangda Zuo)
 New members and officers were added in Chicago meeting; reviewed research proposals in Chicago. All seven members present voted to approve minutes.
6. ASHRAE Liaisons Reports (5 minutes each).
 Written reports for distribution preferred) TC committees are being reviewed.
7. Chair's Progress Report (Wangda Zuo)

- Wangda reviewed membership rules for adding corresponding and voting members.
- New research committee NTG.EBO committee multitask group. Zidu will represent TC7.4.
- New 90.1 portal in up.
- New ASHRAE technology portal including downloadable handbook information.
- 2019 conference ASHRAE reviews. Contact Tiffany Cox.

8. MEMBERSHIP S/C Chair Report (Dolaana Khovalyg):

9 voting members 41 nonvoting members. Wangda had already discussed membership rules.

9. HANDBOOK S/C Chair Exergy Based Design Rules (Biol I Kilkis)

- Extension to net zero and interactions with district systems. Draft was sent to members by email.
- Extension to include exergy effects of auxiliaries such as fans. New definitions need to be added to handbook.

10. RESEARCH S/C Chair Report (Zidu Ma)

Zidu and David Vernon presented RTAR ideas based on the summary that Zidu distributed at the beginning of the meeting. See attached description.

Work to demonstrate value of exergy analysis may be more explicitly described in RTAR#1. Wangda suggested developing draft with a review by the committee by phone before the next meeting.

11. PROGRAM S/C Chair Report (Ongun Berk Kazanci)

Update from last meeting. PVT solar forum was not accepted. Should we resubmit as similar topic as a seminar or workshop? “Thermodynamics Limits of Buildings” seminar was well attended even though at end of the conference. Possible follow-up in next meeting. Five potential speakers. Motion to approve to sponsor two seminars for next meeting approved by all seven voting members present.

12. Standards

13. Website (Wangda Zuo on behalf of Sen Huang):

Website has been updated.

14. New ideas:

IEA Annex “LowEx Communities - Optimised Performance of Energy Supply Systems with Exergy Principles” is completed. The report will be available soon and Wangda will send a link.

Meeting adjourned at 9:30am.