

ASHRAE MEETING – June 26, 2016, St Louis, MO
ASHRAE TC 7.4 EXERGY ANALYSIS FOR SUSTAINABLE BUILDINGS
MEETING MINUTES

TC 7.4 Exergy Analysis for Sustainable Buildings
Sunday 8a.m. – 10a.m.

15 attendances

1. Call to order. by Stephen Treado (Chair)
Introduction of Members, Guest and Liaisons, ALI Coordinator is present: Robert Bean
2. Roll Call and Quorum Determination (Chair):
Quorum Present: Wangda Zuo, Robert Bean (ALI), Stephen Treado
3. Reading of the Title and Scope of TC 7.4 (Chair)
4. Review of Agenda (Chair):
 - Changes and additions : none
5. Review of Meeting Minutes of Orlando, FL (Chair)
Approved 3-0-0.
6. ASHRAE Liaison reports (R. Bean):
 - ASHRAE is interested in developing a course in Exergy course.
 - IEA Annex27 in heat pumps produce good resources
 - The TC agrees that this TC should
 - Translate the exergy book from Turkish to English (The Turkish organization can financially support the translation, an endorsement from ASHRAE is plus)
 - Develop a self-study course
 - Complete the ASHRAE handbook
7. ASHRAE Liaisons Reports (5 minutes each. Written reports for distribution preferred)
none
8. Chair's Progress Report (Chair)
 - Chair's report and notes from TC/TG Chair's Breakfast
 - TC can develop the publication from ASHRAE projects
 - RAC is prioritize research on residential buildings
 - Seminar for Las Vegas due August 8th, 2016
 - Two MTGs established
9. MEMBERSHIP S/C Chair Report : 3 VM to assure quorums
B. Kilkis, Egils Dzelzitis, S.A. Sherif, Brian Meneghan will roll in as a VM after the St. Louis meeting
Robert Bean will roll of as a Vm after the St. Louis meeting
10. HANDBOOK S/C Chair Exergy Based Design Rules (Stephan Treado)
 - B. Kilkis will serve as the new Chair
 - Target the Application for 2019. B. Kilkis will take the lead with the support of Ongun Kazanci.

Action: B. Kilkis will send W. Zuo an updated draft version of the handbook chapter and Zuo will then circulate it among the TC

11. RESEARCH S/C Chair Report (Treado)

- A special project for publication to translate the Turkish book into English
- Specify the data needs for exergy analysis for practice
- Develop a exergy book for practitioners
- WS (Treado will lead): Develop a method of using exergy for practice (not academic research) which may lead to an exergy usage guideline (methodology, how to incorporate into your system, case studies)

12. PROGRAM S/C Chair Report (B. Kilkis)

Las Vegas 2017 Meeting:

- Forum (Monitor Treado): Why exergy is important, why use Exergy in building design?
B. Kilkis Exergy usage for the applications
- Two Seminars (Chair: Zuo)

Recycle the previously submitted seminar Practical application of Exergy for Net Zero Building and get two more new presentations

TC voted in favor of the seminar.

Action: Treado and Zuo will develop the proposals by August 8th.

Long Beach

Seminar in Net Zero Exergy

13. Standards

No updates yet. May develop standard for how to apply exergy for sustainable buildings.

14. Website (Sen Huang):

15. New ideas