

Agenda
Summer Meeting 2008 (Salt Lake City)
ASHRAE TC 1.3 - Heat Transfer and Fluid Flow

General Meeting: 1:00 to 3:30 PM on Tuesday (June 24, 2008)

Research Review: 3:00-7:00 PM on Sunday (June 22, 2008)

Handbook Subcommittee: 1:00-3:00 PM on Sunday (June 22, 2008)

1. Introductions (S. Kulankara)
2. Confirmation of quorum (S. Kulankara)
3. Approval of Minutes from New York
4. Liaison Comments (S. Kulankara)
5. Report from Membership Chairperson (J. Hartfield)
 - a. Roster for 2008-2009
6. Report from Program Chairperson (A. Jokar)
 - a. Status of future program items
 - b. Future program ideas
7. Report from Handbook Chairperson (R. Couvillion)
 - a. Report from Handbook Subcommittee meeting
 - b. Schedule for next Handbook update
 - i. Vote on Chapter 3 (Fluid Flow)
 - ii. Vote on Chapter 4 (Heat Transfer)
 - iii. Vote on Chapter 6 (Mass Diffusion)
8. Report from Webmaster (D. Nutter)
9. Report from Research Chairperson (J. Huber)
 - a. Research Subcommittee Chair comments from research meeting
 - b. Current Research
 - i. RP-1280 (Measurement and Evaluation of Single-Phase Heat Transfer and Pressure Drop Inside Enhanced Tubes for Transition Flow, PI = J. Meyer, PMS Chair = P. Thors)
 - ii. RP-1270, (Performance Characterization of Selected Refrigerants in Flat Plate Microscale Condensers, PI = M. Ohadi, PMS Chair = J. Hartfield)
 - iii. RP-1352 (Evaporation in Corrugated Plate Heat Exchangers with Ammonia and Ammonia/miscible oil) (PI: S. Khan, PMS Chair: Z. Ayub)
 - iv. RP-1444 (Experimental Evaluation of Two-Phase Pressure Drop and Flow Patterns in U-bends for R134a, R410A, and Ammonia) (PI: J. Thome, PMS Chair: B. Nelson)
 - c. Long Range Research Plan from Long Beach Meeting
 - i. Vote on approving RTAR "Characterization of liquid refrigerant flow emerging from a flooded evaporator tube bundle" (J. Hartfield)
 - ii. CFD for use in air-side fin design
 - iii. Other topics of interest
 1. Two Phase flow fundamentals through Tees and orifices
 2. Nanofluids in HVAC
 3. Effect of duct on fouling of air side of heat exchangers
 4. Low temperature correlations for CO₂ and NH₃
10. New business (S. Kulankara)
11. Announcements from TC chairperson meeting (S. Kulankara)
12. Adjourn