

ASME International  
Minutes of K-18 Low Temperature Committee of Heat Transfer Division  
At 2005 International Mechanical Congress and Exposition (IMECE), Orlando, FL  
November 10, 2005

Attendees: Zhixiong Guo, Pat Phelan, Muhammad Rahman, Yong Tao (current chair), Wei Tong

1. The meeting started at 2:00 pm.
2. Dr. Chang Oh from HTD Executive Committee reported a number of current issues as follows:
  - K-committees are required to submit the mission statement to Dick Smith. K-18 Committee responded that no email from Dick had been received on this.
  - Yogesh Jaluria is the new editor for J of Heat Transfer. There will be a sub committee on issue of applied research paper publications. One suggestion is to publish a special issue every 3 months on applied research. Muhammad commented that the latest annual science index showing 20% drop in impact factor for JHT and wondering why. The International Heat Transfer Communications has received a better impact factor than JHT.
  - Conference management issues: IMECE 05 seems to have the worst meeting management problems. For example, many sessions were not included in the program. HTD revenue is now \$95,000, up \$45,000. Suggestions on how to spend the money are being sought. A few suggestions were brought up by K-18 such as
    - Boost the post session prestige by offering best paper competition with awards;
    - No standup session during post session periods.
    - Offer food to post sessions.
    - Low registration fees for summer conferences.
    - Promote tutorial sessions.
  - The result of the nominations will be announced later on. The selected nominees will be contacted. Muhammad suggested that HTD should post the nomination procedure including how the selections were made on the web.
  - 2007 JSME/Interpack/HTC will be in Vancouver, B.C., Canada. Rod Douglas of Las Alamos ([rwd@lanl.gov](mailto:rwd@lanl.gov)) will be the technical chair. Any nomination for keynote speakers, tutorial should be directed to him.
  - 2006 IMECE will be in Chicago. Tim Tong is the technical representative. Abstracts are due in March 6.
  - 2006 IHTC will be in Australia.
3. Brian was the KCR for the 2005 IMECE. K-18 sponsored one session, "Phase Change Materials for Energy Storage and Cooling," in Orlando, and Yong is the chair and Brian is the co-chair of that session which was on Friday after the K-18 meeting. There are one technical paper and two presentations in this session. Because the

schedule conflict for Yong who attends the K-5 meeting, Brian chaired the session. The following is the report from Brian after the conference:

*With regard to a report on our Friday session at the 2005 IMECE (HT-15C):*

*Two of the three presenters showed up at the session. The author that did not show was a presentation-only paper and was from outside of the U.S. From talking with others and attending other sessions, this trend of presentation-only authors not showing up for the 2005 IMECE was fairly common. Approximately 15 people attended this session and their was a good, healthy discussion at the conclusion of each presentation. Several attendees of the session were interested in joining or learning more about the K-18 committee.*

*-Brian*

Thanks to Brian for the job well done.)

4. KCR for IMECE 06 is again Brian Williams. The following are the sessions

Freezing and melting in low temperature (co-sponsor with K-19)

Chair: Yong Tao

Co-chair: Sherif

Transport Processes in Nano-Fluids

Chair: Pat Phelan

Co-Chair: Muhammad Rahman

Tutorial session on application of constructal theory in refrigeration

Instructor: Adrian Bejan (Duke)

Contact: Yong Tao

5. The meeting adjourns at 3:55 pm. The next K-18 meeting will be in San Francisco, CA, 2005.

(Yong's note: After IMECE 05, Yong received the application for K-18 membership from Jorge L. Alvarado, whose research interests are in the areas of nanotechnology, micro-scale heat transfer, electronic cooling and phase change materials, solid and liquid desiccant regeneration, energy conservation and renewable energy in buildings, and microcasting. He has worked and collaborated with the U. S. Army Corps of Engineers and the University of Puerto Rico at Mayagüez, among others. Recent work involves characterization of microencapsulated phase change material slurry and nanoparticles in heat transfer fluids. Here is his contact information. I will update the roster and the web page:

Jorge L. Alvarado, Ph.D, P.E.

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Welcome on board, Jorge.)

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The minutes was scribed and prepared by Yong Tao