

ASME International
Minutes of K-18 Low Temperature Committee of Heat Transfer Division
At 2005 Heat Transfer Conference, San Francisco, CA, July 19, 2005

Attendees: Brain Williams, Muhammad Rahman, Vijay Chakravarthy, Eric Ratts, Yong Tao (current chair)

1. The meeting started at 4:00 pm. Yong mentioned that this meeting was the first in last couples of years that K-18 had in the summer meeting, partly because of the meeting location in SF but largely due to the continued involvement of and supports from K-18 members.
2. Chang Oh from HTD Executive Committee reported a number of current issues as follows:
 - The ASME web has been revised to allow the session chairs to review the final version of the submitted papers;
 - 2005 IMECE will be in Orlando, and HTD sessions go from Wednesday through Friday (Nov. 9-11). Rod Douglass is the HTD program chair. In 2006, HTD sessions at IMECE will start on Monday through Wednesday;
 - 2006 AIAA/ASME Thermophysics and Heat Transfer Conference will be in San Francisco, June 5-8. Nov. 3 will be the deadline for abstracts;
 - In August 13-18, 2006, International Heat Transfer Conference will be held in Australia. US has a slot of 110 papers and only 30 abstracts were submitted so far. More abstract submissions are requested. The deadline for the abstracts is July 31, 2005;
 - Nominations for K-18 chair and other HTD committee positions are open now. Please submit them to Russ;
 - HTD continues to solicit the feedback on the long-term planning. Please forward the comments to Dick Smith;
 - HTD needs to increase the participation from industries and makes itself more relevant to them. Offering tutorials to industrial attendees will be one of the effective ways to attract industrial members;
 - The idea of forming an Institute of Heat Transfer is not feasible because there are no sufficient custodial funds available for such an organizational change;
 - ASME International staff responsible for HTD has been reduced. Right now, Richard Ulvila is the contact person who also takes care of other divisions and groups as well;
 - HTD's JHT profit sharing from ASME is no longer on the agenda because ASME International will not do it.
2. Brian, as the KCR for the 2005 IMECE after attending the KCRs meeting, reported that in the future, each K-committee would propose a general paper session such that any paper submitted to the general paper category will be first redistributed to the K-level general session rather than into a poster session. K-18 sponsors one session, "Phase Change Materials for Energy Storage and Cooling," in Orlando, and Yong is the chair of that session which will be on Friday. There are one technical paper and two presentations in this session. Brian will contact Rod to see if the session can be allocated in the morning. August 12 will be the last day when authors will be notified for acceptance of their papers, and August 19 will be the deadline for the final version of the paper.

3. Eric reported that the attendance of the K-18 sponsored session, “Advance in Low Temperature Heat Transfer,” in this Heat Transfer Conference was good.

4. The following sessions are proposed:

a. 2006 AIAA/ASME Thermophysics and Heat Transfer Conference (SF):

KCR: Brian Williams.

Fundamentals and applications in low temperature heat transfer

Chair: Brian Williams

Co-Chair: Eric Ratts

b. 2006 IMECE (Chicago):

KCR: TBD

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

Chair: Yong Tao

Co-chair: TBD

Micro-scale low temperature heat transfer (need to confirm with Pat)

Chair: Pat Phelan

Panel on heat transfer issues in crycoolers

Chair: Vijay Chakravarthy

Co-chair: TBD

Tutorial session on application of constructal theory in cryogenic engineering

Instructor: Adrian Bejan (Duke)

Contact: Yong Tao

Tutorial session (Topic pending)

Instructor: Ray Radebauh (NIST)

Contact: Vijay Chakravarthy

An email will be sent to the K-18 membership again to solicit session topics.

5. The meeting then focuses on the nomination of K-18 committee chair who will start in summer 2006. Yong expressed the desire to have a chair from industry in line with HTD’s intention to increase the involvement from industrial members. There were two nominations submitted to Yong before the meeting:

Vijay Chakravarthy from Praxair, and

Wei Tong from Danaher Motion

Both are from the industry. Yong suggested send an email to all the K-18 members, especially those who could not come to the meeting, to have an email vote to narrow down to one nomination and submit it to HTD EC. The suggestion was approved by all the members at the meeting.

6. The following motions on the nominations for the other HTD committees were approved:

- Muhammad Rahman to be nominated for the K-3 Honors and Award Committee;
- Yong Tao to be nominated as the Technical Program Representative for 2009 Summer Heat Transfer Conference;
- Zhuoming Zhang to be nominated for K-2 Long Range Planning Committee. Also, either Vijay Chakravarthy or Wei Tong will be nominated for the K-2 opening depending on the outcome of who assumes the Chairmanship of K-18 resulting from the email vote.

Also, Pat expressed his interest in serving on any HTD committees. It was suggested that he would be asked to specify which committee he would like to serve and K-18 would then submit the nomination.

Yong will email the nominations to the K-18 membership for further solicitation and discussion. If the nominees agree with the nominations and no objections received, the list will be submitted to HTD EC before the 2005 IMECE. In the meantime, Yong will also consult with HTD EC on the nomination process to ensure the compliance with the HTD rules and bylaws. The deadline for submitting the nomination is October 28, 2005.

7. Vijay will represent K-18 to attend K-5 Coordinating Council meeting on Wednesday, July 20, 2005, because Yong leaves on Wednesday morning.
8. The meeting adjourns at 5:55 pm. The next K-18 meeting will be in Orlando, FL, 2005.

The minutes was scribed and prepared by Yong Tao