

Minutes

ASME Heat Transfer Division K-7 Standing Committee on Thermophysical Properties

Friday, June 29, 2001
National Institute of Standards and Technology (NIST)
Building 2 - Conference Room 1019
Boulder, Colorado

Attending: Dan Friend, W. Mickey Haynes, Jim Holste, Richard Jacobsen, John Kincaid, Jim Olson, Tony Overfelt, Steve Penoncello (chair), Jan Sengers, Neil Wright

Guest: George Thomson (AIChE/DIPPR)

Absent: Rajat Basu, Jim Ely, Andreas Mandelis, Zhoumin Zhang

0. Steve Penoncello called the meeting to order at 9:00 am.
1. John Kincaid reported on the unexpected death of Tom Irvine just a few weeks ago.

Action Items

- John Kincaid will forward a copy of the SUNY obituary and Tom's curriculum vitae to Steve Penoncello.
- Richard Jacobsen and Steve Penoncello will develop a resolution from the K-7 committee. A copy of this resolution will be sent to the ASME and the Heat Transfer Division Executive Committee.

2. Steve Penoncello demonstrated the current K-7 web site. Steve volunteered to continue as K-7 webmaster.

Action Items

- Richard Jacobsen and Steve Penoncello will meet with K-5 committee and/or the HTD Executive Committee to get our web page linked to the HTD web page.
- K-7 members will review the current web page and email Steve with any corrections or edits that need to be made, especially concerning the membership roster

3. The minutes of the June 25, 2000 and June 30, 2000 meetings were considered. A correction was noted in the June 30, 2000 minutes in item 5.b. The year of the 15th Symposium will be changed to 2003.
4. John Kincaid reported on the proposed survey on the 14th symposium (Item 5.e in the minutes of June 30, 2000). To date, no survey has been drafted or circulated. There were several issues that the survey was intended to address including the need for poster sessions at the symposium. The committee discussed the pros and cons of poster sessions, but was unwilling to formulate a recommendation. After considering the success of the past symposia, it was decided to leave the decision on poster sessions to the discretion of the 15th Symposium organizers.

5. Dan Friend reviewed the status of the planning of the 15th symposium (a copy of Dan's slides and the 15th Symposium logo are attached). The committee spent some time discussing Dan's list of 'Major Decisions' including, optimal number of papers, poster sessions, and number of special sessions. Dan asked for input from the committee concerning these items. He also is soliciting input from the committee regarding session organizers for the 15th Symposium. The first announcement of the 15th Symposium will be mailed before the end of 2001.

Action Items

- K-7 Committee members will review Dan's slides and respond back to him with suggestions and comments concerning the 15th Symposium, especially concerning the list of 'Major Decisions' and session organizers.
- Richard Jacobsen will process the required paperwork with the ASME requesting permission to conduct the 15th Symposium.
- Dan Friend will forward the working link to the 15th Symposium to Steve Penoncello, who will add a hyperlink to the 15th Symposium on the K-7 web site.

6. Mickey Haynes proposed that in 2006, the 16th Symposium be a joint conference with the IUPAC Conference on Chemical Thermodynamics. He suggested that this joint conference would be a one-time event (possibly 800 attendees) to get these two groups together. The general consensus of the committee was that this would be a good idea, but it should be limited to a one-time event. *It was moved/seconded by Jim Holste/Richard Jacobsen that the K-7 committee approves of a joint conference with the 16th Symposium and the IUPAC Conference on Chemical Thermodynamics. The committee further authorizes Mickey Haynes to be the K-7 liaison with IUPAC.* The motion carried unanimously.
7. Richard Jacobsen reviewed the K-7 session at the IMECE meeting on November 15, 2001. The session is titled, "Engineering Property Needs and Solutions – Highlights of the 14th Symposium on Thermophysical Properties." Richard Jacobsen will chair the session with co-chair Steve Penoncello. Jan Sengers suggested that we consider organizing more sessions at the IMECE. Richard Jacobsen suggested that we consider participation in the National Heat Transfer Conference (NHTC).

Action Items

- Neil Wright will contact Zhoumin Zhang and determine the meetings and schedule for future NHTCs. Both Neil and Zhoumin are active participants in the NHTC.
- Richard Jacobsen will reserve a session slot for K-7 for the 2002 IMECE. The tentative topic is "Thermophysical Properties of Nano- and Micro- Materials." Neil Wright volunteered to chair the session. Neil will talk to Zhoumin Zhang about the possibility of co-chairing the session.

8. The committee considered several Touloukian Award Items.
- a. The committee reviewed the current Rules of Award as approved by the ASME Committee on Honors. No formal change of rules is required at this time. However, an ad hoc change on the award timeline was proposed. The nominations deadline to the Touloukian Award Committee will be now be 10 months prior to the next symposium, rather than 18 months. **[Post meeting note: Jan Sengers and Dick Jacobsen are finalizing this timetable].**

- b. The committee discussed the election of officers for the Touloukian Award Committee. *It was moved/seconded by Mickey Haynes/Jim Holste that Jan Sengers be appointed as Touloukian Award Committee Chair.* The motion passed unanimously. The general consensus of the committee is that no vice chair is required.
- c. The committee discussed ASME's request to consider a \$1,000 honorarium to accompany the Touloukian Award. This is the minimum honorarium of all national-level ASME awards. Several committee members expressed concern about such an honorarium. Jan Sengers felt that an honorarium does not add much value to the award. John Kincaid asked if the endowment was sufficient to support two \$1,000 honoraria. Several members were concerned about the discrepancy between the value of the endowment reported in 1997 (\$17,700) and the total reported by ASME in the email from Leila Persaud to Steve Penoncello dated August 2, 2000 (\$25,000). Mickey Haynes reported that in the past, the symposium provided a \$500 honorarium, waiver of conference registration, and housing at the University Club to the Touloukian Award recipients. No decision was made at this meeting. The committee will take this up as an agenda item at the next meeting once more data are available (see action item below).

Action Items

- Richard Jacobsen will check with ASME to determine the exact value of the Touloukian Award endowment and determine what the rate of return on the principal has historically been for ASME award endowments. This information will be available at the next K-7 committee meeting to continue discussion on Item 8.c above.
- Jan Sengers will update the Touloukian Award information from the 14th Symposium first announcement brochure and forward the update to Dan Friend for inclusion in the first announcement of the 15th Symposium.

9. The K-7 committee considered the nomination of Rajiv R. Singh by Rajat Basu. It was moved/seconded by Richard Jacobsen/Jan Sengers to invite Dr. Singh to join the committee. The motion passed unanimously.

Action Item

- Richard Jacobsen will send a letter to Dr. Singh inviting him to join the committee.

10. After a lunch break, the committee reconvened to discuss the report by Jan Sengers concerning the formation of a joint ASME/AIChE Committee on Thermophysical Properties. Jan briefly reviewed his report, which was circulated with the meeting agenda. *It was moved/seconded by Mickey Haynes/Jim Holste that the K-7 committee proceeds with the development of a written proposal that will be submitted to ASME and AIChE for the establishment of such a joint committee.* The motion passed unanimously.

The following mission statement was developed for the joint committee: *The mission of the ASME/AIChE Joint Committee on Thermophysical Properties is to bring state of the art information concerning thermophysical properties of substances to the scientific and engineering communities. This is done primarily through dissemination of information at the triennial Symposium on Thermophysical Properties, which is organized by this committee.*

The joint committee structure was discussed. The general consensus was to have the joint committee as a 'parent' committee with the current structure of the K-7 committee remaining intact as a 'subcommittee' of the joint committee.

Many of the intricate details of the workings of the joint committee could not be developed in this meeting. Therefore, the K-7 committee appointed a task force of Jan Sengers and Richard Jacobsen to develop the first draft of the proposal for the joint committee. The goal is to have the first meeting of the joint committee at the closing meeting of the 15th Symposium (June 2003). The following tentative schedule was established as a guideline to meet this goal.

Item	Timeline
Informal discussions with the ASME and AIChE	November 2001 meetings
Draft of the proposal to the K-7 committee	March 2002
Editorial period by K-7 committee	March 2002 – May 2002
Final draft of the proposal to the K-7 committee	June 2002
Final editorial period	June 2002 – September 2002
Final draft of the proposal to the ASME and AIChE	October 2002
Formal action of the ASME and AIChE	November 2002
First joint committee meeting at the close of the 15 th Symposium	June 2003

11. The time for the next K-7 meeting will be on June 28, 2002 in Boulder.

12. The meeting adjourned at 2:40 pm.

Respectfully submitted,

Steven G. Penoncello, K-7 chair