

ASME K-17 - 2003 Committee Meeting Agenda.
11:15 a.m. – 1:15 p.m.
Wednesday, November 19
Park Tower Suite 8223, Lobby Level/Marriott

1. General Business:

- Approval of Minutes from previous meetings (2002-2003). All were distributed by e-mail prior to meeting. No comments or changes noted. Meetings with K-17 presence included:

1. IMECE 2002 – 6 sessions?

2. SUMMER BIOENGINEERING – 3 sessions. Overall 620 papers at this meeting. This compares with 180 papers for BED at IMECE. Clear trend. People are voting with feet. The attendees of the meeting were 46% ASME, and the rest were from other societies. This suggests that the summer bioengineering meeting is reaching a wider audience than the IMECE.

3. SUMMER NHT – 3 sessions were offered and were well attended.

- Update addresses/e-mails etc. K-17 membership document hardcopy circulated. Excel spreadsheet to be distributed after the meeting.

- New attendees to K-17 welcome. Not many new faces, lots of the core membership present.

- Issues with Web-based management of IMECE 2003. Avraham Shitzer noted dissatisfaction with the current web tool (abstract submission, review and PDF paper submission). Tim Tong from HTD Exec Comm assured us that things were getting fixed. This was the first year with this tool. Things are expected to improve. One main reason for problems is that BED sessions are violating the rules of submission. Carol Griffin is the contact person at ASME who should be able to help with website issues.

- The ASME JBME journal is interested in papers on bioheat and mass transfer. We are one of the least well represented groups within the journal. We have been encouraged to send more of our papers to the journal.

2. Honors and Member Updates:

- Charles Lee (UNC-Charlotte) - promotion to Associate Professor with tenure.
- Rupack Banerjee - National Scientific Development Grant, AHA Grant, Faculty Fellowship at NASA-Glenn Research Center.
- Ramachandra Devireddy (LSU) - Whitaker Foundation Grant + ASME HTD Best Paper Award 2002 (With D. Smith and J.C. Bischof).
- Bumsoo Han (U of MN) - ARMY Breast Cancer Postdoctoral Fellowship Grant
- Gloria Elliot (UNC-Charlotte) - Accepted Assistant Professor position
- Sohi Rastegar – moving back to NSF full time.
- John Chato – Elected ASHRAE Fellow.

- Ken Diller to replace Lou Soslowsky on USNCB in future. This will be important for bioheat transfer to have visibility and to help with funding as well as research meeting directions in the future.
- Elaine Scott's student got second in the BS student paper competition at IMECE 2003. Elaine has also been appointed to the BED Executive Committee.
- Jens Karlsson. in collaboration with Altea Therapeutics Corporation was awarded a Georgia Research Alliance Innovation Grant for the project titled "Mechanism of Thermal Microporation of Skin Using a Hot-Filament Technology for Transdermal Drug Delivery"; the first year of funding is for \$116,327.

3. 2003 Sessions (summary):

BED-6B Novel Biopreservation and In Vivo Mass Transport
 BED-9B Modeling of Bioheat and Mass Transfer
 BED-7B Heat Transfer in Medicine and Biology
 HT-1A Experimental Bioheat and Mass Transfer
 HT-2A Thermal Therapy - I
 HT-4C Thermal Therapy - II
 HT-15A Thermal Imaging, Visualization, and Diagnosis (joint with K-22)

4. 2004 Meetings and Sessions.

- **NSF/NIH Bioheat Transfer Workshop**

TBA - possibly February 2004 - Ken Diller, Geert Schmid-Schoenbein, and Dick Smith (NSF) organizers. Possible AIMBE involvement also mentioned. Discussion of key areas for future emphasis. Workshop will be by invitation only.

- **2004 IMECE**

Anaheim Convention Center and Hilton Hotel
 November 14-19

SESSION SUGGESTIONS?

1. Joint session with bio-fluids group: Drug Delivery and Pharmacokinetics (Rupack Banerjee)
2. K-7 joint session on Thermophysical Properties (Neil Wright)
3. Imaged Guided Thermal Therapy (Moros? Other?)
4. Thermal Modeling (TBD)
5. Thermal Injury – (Ken Diller + Junior K-17 member)
6. Thermal Aspects of Bioelectrochemistry - (Rafael Davlos and Raphael Lee)

- **2004 ASME Heat Transfer/Fluids Engineering Summer Conference**

Westin Charlotte & Convention Center, Charlotte, North Carolina, USA
 July 11-15, 2004

The ASME heat transfer, bioengineering, fluid engineering divisions and AIChE will co-host SESSION: "HEAT & MASS TRANSFER IN BIOTECHNOLOGY"

- **2005 Summer Bioengineering Meeting**

TBA – Possible meeting place are (Homestead, VA and Vail, CO). Looking at late

June meeting date and will go to annual meeting format.

- **9th Int. Congress on Hyperthermic Oncology**

April 20-24, St. Louis, Missouri

<http://ICHO2004.org>

5. Future of K-17. Should we move to annual BED format?

BED - will go to annual summer meeting format in 2005.

HTD - will likely stay with IMECE and Summer HTD format.

K-17 needs to decide on course of action. Several options discussed:

1. Stay as we are (no one likes this)
2. Alternate between summer bioengineering and summer heat (problems with international heat transfer meeting every 4 years – NHT drops out – annual bioengineering meeting will take place every year).
3. Summer bioengineering and summer heat and IMECE are secondary meetings (co-sponsored sessions).

After much discussion it was decided that for us as a group we need to have one main meeting and that if bioengineering (BED) goes to the annual summer meeting format that we will make that our meeting of choice in the future. There were no votes against this. Very high voting percentage – most want this approach. Still very interested in maintaining connections to HTD and to TTTP (CTS) of the NSF. This will need to be worked out, but it is anticipated that some K-17 membership will populate IMECE and/or NHT meetings where connection to HTD will be possible. The following was what the committee decided on:

1. BED Summer meeting will be the main K-17 annual meeting. The main K-17 committee business will be conducted at this meeting.
2. K-17 will continue to attend the IMECE and NHT meetings but sponsor joint sessions only

6. HTD Exec Comm. Tim Tong report

- NHT 2003 Summer Meeting had 460 attendees – 4 K profit made. Many no-shows both there and at IMECE – need to do something about this in the future such as charge a fee for paper submission. 234 papers were offered at the NHT meeting.

- AMSE Board of Governors has recommended that ASME reorganize. Council of Engineers was removed. Each division will decide its reorganization structure. Institutes are typically formed by more than one division retain more profit from meetings, royalties, etc, but take on more responsibilities of finances. Usually institutes retain administrative staff members. Center formation is also an option with less financial responsibilities and thus less retention of profits. www.asme.org/change - see website and become informed about process for this Spring. Member input is encouraged

- Custodial account has 30 – 35 K in it.