

MINUTES OF K10 HEAT TRANSFER EQUIPMENT COMMITTEE

*Meeting on Thursday November 20, 2003, Washington, D.C.
ASME IMECE*

Members Present	Cerza, Cho, Fakheri, Jensen, Kedzierski, Khounsary, Manglik, Muley, Rudy, Shah, Strumpf, Sunden, Swanson
Members Absent	(Notified Chair or Secretary) B. Bryan, Conklin, Tekriwal, Trewin, Wann, F. Yang, W. Yang J. Bryan, Chenoweth, Ravi, Sernas
Guest Attendance	Charles Bemisderfer (York International), Kevin Farrell (HTRI), Eric Ratts (Univ. Michigan Dearborn)
Opening & Welcome	The meeting was called to order by the K-10 Chairman Larry Swanson at 2:00 PM with minutes taken by Mark Kedzierski and Larry Swanson.
Minutes	Minutes of the K-10 meeting at the 2003 ASME Summer Heat Transfer Conference in Las Vegas, NV were corrected and approved.
Executive Committee Report (M. Jensen)	<p>More than 234 papers in 63 sessions published for 2003 IMECE, which is low compared to previous years.</p> <p>Next July 15 meeting in Charlotte is jointly organized with Fluids Engineering Division. So far 450 abstracts have been submitted. Feb. 1 is the deadline for extended abstracts. More submissions are expected.</p> <p>Las Vegas conference had 460 attendees. There were 330 papers which is an increase compared to previous years. The people were please for the value of the registration fee. There were significant no-shows. May invoke new policy that at least one author must register before the paper can be published. Some profit was made for the HTD custodial account.</p> <p>At the next IMECE meeting, 600 sessions are scheduled with HTD getting 59.</p> <p>IMECE 2002 made a small profit.</p> <p>ASME reorganization looks as if it will occur. Because of this, basic Engineering Group (five Divisions) and Materials may form a self-sufficient Institute. The http://www.ASME.org/change site provides the presentation by the Board of Governs on the reorganization details.</p>

2003 IMECE
(Washington D.C.) Nov.
16-21, 2003)

KCR- Swanson, Backup – Tekriwal

Heat Transfer in Heat Exchangers (Fakheri, Janna) co-sponsored with PID. Stand-up. Four sessions (two HTD, two PID); eleven papers in HTD sessions. Total of twenty papers with about 15 attendees per session. One session had six papers. There was not enough time for the questions. So need to have either more time or limit the number of papers to four per session.

Emergent Problems in Thermal Management (Khounsary) Panel. Two panels (Electronics-K committee)

Forum on Multiphase CFD Modeling in Heat Exchangers (Sunden) co-sponsored with K. Farrell FED. Stand-up. One session; five papers.

2004 HT/FE Summer
Conference (Charlotte,
NC) July 25-29, 2004

KCR – Wen-Jei Yang, Backup – Arun Muley

Heat Transfer in Electronic Cooling (W. Yang) co-sponsored with K-16. Stand-up.

Transport Phenomena in Heat Transfer Equipment (Strumpf, Cerza) Stand-up.

Heat Transfer and Fluid Flow in Phase-Change Processes (F. Yang, Swanson, Co-sponsored by AIChE - Jungho Kim) Stand-up.

New Challenges in Enhanced Heat Transfer (Webb, Manglik, Co-sponsored by AIChE – A. Bergles) Stand-up.

Advanced Thermal Management Solutions for Fuel Cell Systems (Muley, Sunden, M. Fagheri, with PID) Stand-up.

2004 IMECE
(Anaheim, CA) Nov. 2004

KCR – Ahmad Fakheri, Backup – none.

Heat Transfer in Heat Exchangers (Fakhei) with PID. Stand-up.

Micro Heat Exchange Applications (Ravi) Format unknown.

Nano Technologies in Heat Transfer Equipment (Kedzierski) Stand-up.

Novel Cooling Techniques and Their Applications (Khounsary) with T. Simon. Stand-up.

Thermal and Mechanical Stress Issues for Heat Exchangers (Strumpf, Manglik) Stand-up.

Emergent Problems in Thermal Management (Khounsary) Panel.

**2005 Summer Conference
(location and time
unknown)**

KCR – Ahmad Fakheri, Backup – none.

Phase Change Heat Transfer

Advances in Heat Exchangers

Forum on Multiphase CFD Modeling in Heat Exchangers (Sunden with K, Farrell FED)

High Temperature Heat Exchangers (Ratts, Muley) joint with K6

KCR Reports

2004 Heat Transfer-Fluids Engineering Conference (HTD Chair – Manglik)

- KCR may be assigned to lead a group of sessions
- Currently KCR cannot log on to website
- About 450 abstracts have been submitted.
- Extended abstract deadline in December

2004 IMECE – No report.

**Announcements and New
Business**

Members should submit nominations to fellow grade.

Member should submit nominations for HTD awards (Jacob, Kern, HT Memorial).

Adjournment

3:38 PM