

**Education Committee
ASME Heat Transfer Division**

**Minutes – IMECE 2005
Thursday, November 3rd, 2005, 2:00 - 3:30 pm**

Attendance: Ann Anderson, Greg Anderson, Antonio Campo, Amy Fleischer, Ali Khounsary, Pamela Norris, Marino Pena-Taveras, Andrew Smith, Cristobal Cortes

Regrets received from: Terry Simon, Win Aung, Himanshu M. Joshi and Ed McAssey,
Jim McLeskey

Introductions

The meeting began with a report from the Executive Committee conveyed by Tim Tong. The plan for exploring the possibility of forming an institute for more self governance has been put on hold. This is partially due to financial difficulty of ASME which meant that the proposed revenue sharing scheme originally proposed was not possible.

- Dick Smith and Vijay (K-2) are looking at the current structure of the HT division. Specifically they are looking to see whether our current structure of K committees matched with research interests should be restructured.
- The EC committee is asking each committee for a mission statement. This statement should describe our set of objectives and two to three tasks. These statements should be copied to the EC.
- The Journal of Heat Transfer (JHT) is doing very well. Two years ago the journal generated \$150K in profit, and last year \$200K. A possible companion journal focused on applications of heat transfer is being considered.
- For the near term, the HT committee is still committed to ASME managements, but they are also discussing other options for after 2008 when they are entertaining the idea of organizing our own summer heat transfer conference.
- Rod Douglas is the 2007 summer heat transfer conference organizer and he is asking for nominations for keynotes and for topics for tutorial. The summer heat transfer conference will again be co-located with Interpack and JSME in Vancouver, BC sometime during the first two weeks of July.
- Tim Tong is the program rep for the 2006 IMECE and he needs KCR and proposed session titles by Nov. 18.
- There were 240 papers by the HTC presented at IMECE this year.

K-21 asked Tim if graduate students could be members of K-committees. He was to inquire.

Pam Norris, who served as chair of K-21 for the past 3 years, was recognized for her promotion to fellow status of ASME. Joseph Humphrey read the award citation.

Old Business – Past and Current Sessions

2005 IMECE Paper Standup Sessions: “Modeling and Simulation in Heat Transfer Education.” Chaired by **Bob Ribando and Marcus Bianchi**. Panel participants included Bob Ribando, Jayathi Murthy, Rajesh Bhaskaran, and Danesh Tafti. The attendance was very good and the discussion was vivid.

2005 IMECE Student Poster Session: “Student Research and Design in Heat Transfer.” Chaired by **Andrew Smith**.

Andrew Smith reported on the student poster session also went very well with five papers and pretty good traffic. Our session was combined with a MEED student poster session. Andrew reported that the EC asked some questions when he requested money for the poster session, regarding how we provide support. We had a discussion about the student poster session and the desires for this session. In particular, we discussed if we would be open to letting a student present a stand up paper in a regular session AND then present the same work as a poster in this session. After much discussion we felt that we should suggest to the HTD EC that they consider providing financial support (\$400) for any undergraduate presenting at a HTD session (whether at our poster session or not).

New Business

For IMECE 2006---Richard Figliola will serve as the KCR for K-21 sessions.

We decided to honor our long time committee leader, Dave Dewitt, by renaming our poster session the “Dewitt Poster Session on Thermal Fluid Science Undergraduate Research.” Dave was an avid supporter of this activity.

2006 IMECE Student Poster Sessions: “Dewitt Poster Session on Thermal Fluid Science Undergraduate Research.”

Chair---Andrew Smith

Co-Chair---Greg Anderson

This year the stand up session was merged with MEED (Mechanical Engineering Education) and we will continue this practice in the future.

2006 IMECE Panel Sessions: “Innovations in Heat Transfer Education”

Panel Session I---“Nanotechnology Education”

Co-Chairs---Pam Norris and Pinar Menguc

Panel Session II---“Incorporating the Thermal Fluid Design into the ME Accreditation Process”

Co-Chairs—Andrew Smith and Amy Fletcher Fleischer

Panel Session III---“Web Based Experiments in Thermal Sciences”

Chair—Ali Khounsary

For IMECE 2007 ---Rob Stevens was nominated as the KCR

Prepared by:
Prof. Pamela Norris, Secretary

Heat Transfer (Division/Track)

Program Representative(s): **Rod Douglas** Los Alamos National Laboratory

Group Representative(s): **Mohamed Samir Hefzy**

K-21: Committee on Heat Transfer Education (Topic)

Topic Co-Organizer(s): **Ted Bergman**

HT-1 D Student Posters and Standup (Session)

Session Organizer(s): **Andrew Smith** U.S. Naval Academy

Session Co-Chair(s): **Robert Boehm** University of Nevada Las Vegas, **Antonio Campo**, **Ted Bergman**

Session Description:

Submit for Two Sessions Here (1) Student Posters (2) Standup Presentation Clearly indicate which session you are submitting to ("poster" or "standup")

Papers

IMECE2005-80938 (Poster)	Presentation Order: 1
Model For the Heat Transmission in the Human Eye	
Authors: El Hassan Ridouane The University of Vermont, Antonio Campo	
IMECE2005-81363 (Poster)	Presentation Order: 2
Design and Performance Evaluation of Advanced Window Systems	
Authors: Amy Butterfield Union College, Richard D Wilk Union College	
IMECE2005-81812 (Technical Publication)	Presentation Order: 3
Light Transmission Characteristics of Thermochromic Liquid Crystals	
Authors: Timothy B. Roth Union College, Ann M. Anderson Union College	
IMECE2005-81833 (Poster)	Presentation Order: 4
Optimization of the Adsorber in an Adsorption Solar-Powered Cooling System	
Authors: Anne Ranes Arizona State University, Patrick Phelan Mechanical and Aerospace Engineering Department, Anastasios Frantzis Arizona State University, Lionel Metchop Arizona State University, J. Rafael Pacheco Arizona State University	
IMECE2005-83004 (Technical Publication)	Presentation Order: 6
Innovative Configurations of Large Scale Heat Pipes	
Authors: Pamela Norris , Jessica Sheehan University of Virginia, Donald Jordan University of Virginia, Doug Queheillalt University of Virginia	
IMECE2005-82127 (Presentation Only)	Presentation Order: 7
Experimental Characterization of Electronics Cooling Concept	
Authors: Tim Guild University of Arizona, Alfonso Ortega University of Arizona	
IMECE2005-80787 (Presentation Only)	Presentation Order: 8
Freezing In Hemispheres Under Natural Convection	
Authors: subrahmaniyam susarla osmania university	

Heat Transfer (Division/Track)

Program Representative(s): **Rod Douglas** Los Alamos National Laboratory

Group Representative(s): **Mohamed Samir Hefzy**

K-21: Committee on Heat Transfer Education (Topic)

Topic Co-Organizer(s): **Ted Bergman**

HT-3 C Innovations in Heat Transfer Education (Session)

Session Organizer(s): **Robert Ribando** University of Virginia

Session Co-Chair(s): **Marcus Bianchi** Johns Manville

Session Description:

The Full Title of this Panel Is: Innovations in Heat Transfer Education: Modelling and Simulation. Participation by Invitation

Papers

IMECE2005-83279 (Panel)	Presentation Order: 1
Modeling and Simulation in Heat Transfer Education	
<i>Authors: Jayathi Y Murthy Purdue University</i>	
IMECE2005-83280 (Panel)	Presentation Order: 2
Modeling and Simulation in Heat Transfer Education	
<i>Authors: Robert Ribando University of Virginia</i>	
IMECE2005-83289 (Panel)	Presentation Order: 3
Modeling and Simulation in Heat Transfer Education	
<i>Authors: Rajesh Bhaskaran Cornell University</i>	
IMECE2005-83323 (Panel)	Presentation Order: 4
Modeling and Simulation in Heat Transfer Education	
<i>Authors: Dr. Danesh Tafti Virginia Polytechnic Institute and State University</i>	