

**Ad Hoc Committee on Heat Transfer Education
ASME Heat Transfer Division**

**Meeting Minutes - 1998 IMECE
Tuesday, November 17, 1998, 1:00 - 3:00 pm**

Attendance, Members: Robert Boehm, Antonio Campo, David DeWitt, Allan Duncan, Nihad Hussain, Joshi Himanshu, Ali Kounsary, James Mond, Pam Norris, Terrence Simon, Robert Simoneau,
Visitors: Young Cho, Peter Noymer, Gamal Refai-Amed

Old Business

96-IMECE Panel Documentation. Ali Khounsary presented the summary paper in the Thermal Sciences and Energy Systems Education session at the 99-IMECE. The paper is included in those proceedings. The Committee thanked Bob Mondt and Ali for their efforts to create a permanent record of our Committee's activities.

97-IMECE Panel. Allan Duncan and Bob Boehm agreed to renew their efforts to prepare a short review summary of the panel presentations. The review could appear in the next proceedings on Innovations in Heat Transfer Education.

98-IMECE Paper Standup Session, Thermal Sciences and Energy Systems Education. Cosponsored with K-6, Energy Systems. Session organizers included Gus Plumb, Bob Boehm, Marcus Bianchi and Pam Norris (who stood as chair for both sessions). Both sessions drew audiences of approximately 45 persons. The organizers received 15 abstracts, 8 of which were accepted, and 7 rejected primarily for reason of their self-promotional or commercial nature. The two papers by Brazilian authors were not presented because of the national restrictions on foreign travel.

99-NHTC Student Poster Session. Organizers Allan Duncan and Nihad Hussain reported that no abstracts were received by the organizers. See discussion below about continuation of this activity.

Short Courses. The short term view is that we should leave the development of short courses to the technical committees.

Industrial Problems for the Classroom. During the past year, an industrial-type, applications oriented assignment for simulating engineering practice was developed by Joshi Himanshu and successfully used at Purdue with Dave DeWitt's energy systems engineering course. The objective of this subcommittee is to generate a portfolio of 5 or 6 problems drawing on the experiences of Division members and to make them available to interested faculty.

Future Meeting Sessions

Organizer Assignments - Standup Paper Sessions

Future sessions will be entitled "Innovations in Heat Transfer Education" as a means to create brand recognition of the sessions organized by this committee.

99-IMECE	Allan Duncan and Marcus Bianchi
00-IMECE	Pam Norris and Peter Noymer
01-IMECE	Richard Figliola and Pam Norris

Topics to Promote:

- Teaching heat transfer to non MEs and ChEs
- Heat transfer in electronics design for EEs
- International educational methods; how is heat transfer taught in other countries
- Invited speakers from other Divisions especially luminaries and medallists

Organizer Assignments - Student Poster Sessions

After extensive discussion, it was agreed that we would regularly organize student poster sessions at the IMECE meetings (not NHTC meetings) entitled "Student Research and Design in Heat Transfer." Organizers are reminded that \$2000 is available from the Division treasurer to defray student travel expenses and to provide a banquet dinner ticket. Organizers for forthcoming meetings are

- 00-IMECE Terry Simon, Nihad Hussain
- 01-IMECE -- Seeking volunteers --

New Business

About the Mission Statement. The mission statement of the committee was adopted in November 1997. The statement is reprinted below to remind ourselves of our purposes.

Other Opportunities to Fulfill The Mission Statement. Only a brief time was available for discussion to consider new opportunities. It was proposed that the following topic be given attention at the next meeting: New educators - getting young faculty interested in education-related issues prior to rather than after tenure; serving as a resource to young faculty in their development as educators; and, promoting industrial training and work experiences.

Next meeting at 99-IMECE. Meeting adjourned at 3:00pm.

Mission Statement, Ad Hoc Committee on Heat Transfer Education

The primary mission of the Heat Transfer Education Committee is

- *To document issues related to education that are important to the Heat Transfer Community and*
- *To promote change that will strengthen the education interface with research and engineering practice.*

In so doing,

- *We keep abreast of the changing scene in education pedagogy and the changing environment of the Heat Transfer field,*
- *Organize and conduct symposia on educational issues, and*
- *Solicit free exchange on education among members of the Division.*

Finally, we promote publication and other exchange of ideas in heat transfer education.

From the 1997-1998 ASME Heat Transfer Division Report of the Committee

Prof. David P. DeWitt
School of Mechanical Engineering
Purdue University
e-mail: dpd@ecn.purdue.edu