

Ad Hoc Committee on Heat Transfer Education
ASME Heat Transfer Division

Meeting Minutes - 1999 NHTC
Sunday, August 15, 1999, 2:00 - 3:15 pm

Attendance, Members: Ann Anderson, David DeWitt, Richard Figliola, Pam Norris

Old Business

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. (Item from Agenda for 98-IMECE)

99-IMECE Paper Standup Session, Thermal Sciences and Energy Systems Education. Cosponsored with K-6, Energy Systems. Interim report from session organizers Allen Duncan and Marcus Bianchi: 14 abstracts received, 10 accepted, and 10 planned for presentation. Two student poster session presentations were submitted and accepted for presentation.

Industrial Problems for the Classroom. Gamal Refai-Amed, Astec-ASP/Canada, provided an industrial applications-oriented assignment (cooling PCB device) for simulating engineering practice that was used at Purdue with Dave DeWitt's energy systems engineering course. Copies of this assignment and the one developed last year by Joshi Himanshu, Exxon, will be made available at the next meeting. Efforts to draw on industrial colleagues in the Division should be considered.

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.

- 00-IMECE Pam Norris and Peter Noymer
- 01-IMECE Richard Figliola and Pam Norris
- 02-IMECE -- Seeking volunteers --

Topics to Promote (new suggestions, see also New Business):

- Heat transfer in electronics design - Ann Anderson will explore co-sponsorship with K-16
- Curriculum course and laboratory integration - Pam Norris will identify NSF award winners for the CCLI program to target paper contributions as well as awardees student posters

Organizer Assignments - Student Poster Sessions

Student poster sessions, entitled "Student Research and Design in Heat Transfer," will be annually organized for IMECE meetings (not NHTC meetings). 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

Promotion of the Poster Session. Don't count on mailings from Headquarters to generate poster contributions. Suggestions to increase student participation include:

- Write letter with announcement to ASME Chapter Advisors; mailing labels are available from the ASME education liaison officer,
- Seek an extension on submission deadline so students have nearly the full Spring semester to consider participation.

Another Theme for the 00-IMECE Sessions. In addition to the new themes suggested above, consider the topic of teaching and research. Draw on the work of NSF career award winners who are obligated to develop integration opportunities. Mailing list can be obtained from the NSF program office. If possible, ask manager to invite award winners to consider participation. The session organizers will explore this approach to encouraging paper submissions.

Permanent Status for the Committee. The chair will contact the Division secretary on this matter.

Frequency of Committee Meetings. It was agreed that the committee would meet regularly during the NHTC and IMECE to accommodate those members who can attend only one ASME event annually.

Next meeting. At 99-IMECE, Thursday, November 19th, 1999, 3:00 to 5:00 pm.

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