

Minutes of the K-15 Committee Meeting
2004 NHTC, Charlotte, NC

The Committee met on Tuesday, July 13, 1-3 pm.

Present members: Ikram Ahmed, Khairul Alam (Chair), Majid Charmci, Wilson Chiu, Joohyun Choi, Costas P. Grigoropoulos (Vice-Chair), Jamil Khan, Adrienne Lavine, Patrick Mensah, Ben Q. Li, Richard N. Smith, Hai-Lung Tsai, Xinwei Wang, David A. Willis, Yuwen Zhang, Hui Zhang, Li Li Zheng.

1. Report from the HTD Executive Committee representative (Tim Tong)

- a) 534 papers were in all presented and till Sunday evening ~ 500 attendees were registered, with the final number expected to be ~600.
- b) Motivated by a need for more independence from ASME, a possible reorganization of the HTD to an Institute structure is discussed. This will entail better control on the organization of conferences, greater ability to utilize part of the profits, etc. The criterion to become an Institute is a revenue level of about \$1 million/year. At this point, HTD stands at about \$0.75 million/year with the biggest revenue generators from JHT, conferences and workshops. However, a move to an Institute does not mean separation from ASME that is still the supporting organization, and could be reversed after a trial period. The timeline for such a move is not fixed and is expected that discussions will continue over the next couple of meetings. The potential reorganization will not affect significantly the K-committee structure, although this topic may be revisited.

2. Report on NHTC 2004 (KCR:Ben Li)

Transport phenomena in Materials Processing and Manufacturing

- 3 sessions, 12 papers (Lavine, Jen)

Heat and Mass Transfer & Melt/Solidification in Materials Processing

- 2 sessions, 11 papers (Andrews, Zhang)

Transport Phenomena in Bio-Materials & Bio Processing

- 1 session, 4 papers (Bergman, Zheng)

Lasers in Macroprocessing and Manufacturing Processes

- 2 sessions, 9 papers (Choi, Tsai)

2. Report on IMECE 2004 (KCR:Ben Li)

Transport Phenomena in Materials Processing and Manufacturing

- 1 session, 4 papers

Transport Phenomena in Solidification and Melting

- 4 sessions, 19 papers

Challenges and Opportunities in Materials Processing and Manufacturing

- 2 sessions, 7 papers

3. Sessions for NHTC 2005 (San Francisco)

Computational Heat Transfer in Materials Processing (jointly with K-20, Ben Li)

Electronics Materials Processing (contributed papers, Khan)

Transport in Materials Processing and Manufacturing (Zhang)

Lasers in Micro/macro processing (Choi, Tsai, Willis)

Challenges and Opportunities in Electronics/Photonics Materials Manufacturing

(open forum, Joshi, Charmci, Grigoropoulos)

Co-Chairs are needed for sessions, while the above titles are tentative.

4. Other Business

The K-15 Web page has been set (Ben Li) and can be navigated through www.asme.org.

A discussion took place on enhancing interaction and co-operation with other Committees.

Meeting was adjourned at 3 pm.