

Meeting Minutes
HTD K-15 Committee
Transport Phenomena in Manufacturing and Materials Processing
Monday, August 11, 2008, 7:30-9:00 PM
City Terrace 10, Hyatt Regency Riverfront, Jacksonville, FL, USA

Attending: Yuwen Zhang, Ronghui Ma, Patrick Mensah*, Sybor Wen*, Tae Choi*, Wilson Chiu.

*New member. Email addresses are provided in the Attachment section.

1. Lou Gritzo – HTD Executive Committee Report

- Vacancies - Send nominations to Tim Tong.
 - Executive Committee
 - Max Jacob Award Committee
 - Membership Development and Recognition Committee
 - K-2 Planning and Development
 - Honors & Awards Committee
- 2008 SHTC target attendance close to achieved.
- Custodial Balance
 - Balance is \$130K as of August 2008.
 - HTD is in good financial health.
- New ASME HTD journal *Applications in Thermal Science and Engineering*, Michael Jensen will be the Editor in Chief.
- Recently revised HTD by-laws
 - Dropped “K” numbers
 - Established new journal *Applications in Thermal Science and Engineering*
 - Moved away from KCR format. Committee chair/co-chair will assume KCR duties.
- 2008 IMECE
 - Organizer: Van Carey
 - October 31 – November 1, 2008, Boston, MA.
 - Executive Committee meeting will be scheduled for Sunday November 1.
 - Heat Transfer sessions will be held Monday and Tuesday (Nov. 2-3).
- 2009 SHTC
 - Organizer: Tim Tong
 - July 19-23, 2009, San Francisco, CA.
 - Submit topics to Tim Tong by August 2008.
- 2009 IMECE
 - Organizer: Lou Gritzo
 - November 13-19, 2009, Orlando, FL.
 - Submit topics to Lou Gritzo.
- 2010 AIAA Thermophysics
 - Organizer: Tim Fisher
 - June 2010, Chicago, IL.
- 2010 IHTC
 - Organizer: Yogesh Jaluria
 - August 7-13, 2010, Washington, DC.
- The Heat Transfer Division will not participate in the 2010 IMECE.
- 2011 ASME/JSME
 - March, 2011, Hawaii
- Conference paper no-shows

- A noticeable amount of authors did not show up to present their work at the SHTC08. The EC would like to begin tracking “no-shows” to determine future action. No-show paper numbers should be sent to Chang Oh and Lou Gritz.

2. Report from 2008 SHTC (KCR: Yuwen Zhang)

- 4 topics, 16 papers:
 1. *Transport Phenomena in Materials Processing and Manufacturing* (Ronghui Ma, Ronggui Yang): 4 papers, 4 no-shows.
 2. *Transport Phenomena in Materials Processing and Manufacturing* (Calvin Li, Roop Mahajan): 4 papers, 4 presentations, 1 no-show.
 3. *Heat and Mass Transfer in Nanomanufacturing* (Ben Li, Yuwen Zhang): 4 papers, 3 presentations, 1 poster.
 4. *Materials Processing Issues in Energy Systems* (Wilson Chiu): 4 papers, 3 presentations, 1 no-show.

3. Update on IMECE08 (October 31 – November 1, Boston)

- K-15 Representative: Wilson Chiu.
- Scheduled Subtopics:
 1. *Transport Phenomena in Materials Processing and Manufacturing* (Guo-Xiang Wang, Xiulan Huai)
 2. *Laser Applications in Manufacturing and Materials Processing* (Junling Hu, Hai-Lung Tsai)
 3. *NSF Symposium on Advanced Thermal Processing* (Wilson K. S. Chiu, Costas P. Grigoropoulos, Ben Q. Li) – see details below.

4. Subtopics for SHTC09 (July 19-23, San Francisco)

- K-15 Representative: Wilson Chiu
- Proposed Subtopics:
 1. *Transport Phenomena in Materials Processing and Manufacturing* (Sy-Bor Wen, Wilson Chiu)
 2. *Heat and Mass Transfer in Nanomanufacturing* (Tae Choi, Patrick Mensah)
 3. *Transport Phenomena in Biological Materials Processing* (Ronghui Ma)

5. Subtopics for IMECE09 (November 13-19, Orlando)

- K-15 Representative: Wilson Chiu
- Proposed Subtopics:
 1. *Transport Phenomena in Materials Processing and Manufacturing* (Calvin Li, Ronghui Ma)
 2. *Laser Applications in Manufacturing and Materials Processing* (Yuwen Zhang)
 3. *Materials Processing Issues in Energy Systems* (Wilson Chiu, Patrick Mensah)

6. NSF Symposium on Advanced Thermal Processing

- K-15 will hold a multi-session symposium on Wednesday, November 5, 2008 during the IMECE08 in Boston, MA (October 31 - November 6, 2008). Outside experts will be invited from industry, research labs, and academia to present the latest challenges and opportunities in materials processing. An announcement is attached.
- Speakers will be invited to contribute to an *ASME Journal of Heat Transfer* Special Issue to be published after the workshop.
- NSF will provide funding (CBET-0820605) to support speaker travel expenses.
- Seeking additional funding to cover speaker registration fee.
- Please send speaker suggestions to Wilson Chiu (wchiu@engr.uconn.edu).

***Submitted by Wilson Chiu.
August 21, 2008***

Attachments:

1. Attendance and E-mail List
2. NSF Symposium Announcement

ATTACHMENT 1

**HTD K-15 Committee Meeting
August 11, 2008
Attendance and E-mail List**

Name	Email Address
Yuwen Zhang	zhangyu@missouri.edu
Ronghui Ma	roma@umbc.edu
Patrick Mensah	mensah@engr.subr.edu
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Calvin (Hong) Li	hli@utnet.utoledo.edu
Wilson K. S. Chiu	wchiu@engr.uconn.edu
