

Minutes

K-15 Committee on Transport Phenomena in Manufacturing and Materials Processing

2008 International Mechanical Engineering Congress and Exposition

Sheraton Hotel, Boston, MA

Monday, November 3, 2008

7:30-8:30pm

Members present: Ben Q. Li, Wilson Chiu, Yuwen Zhang, Calvin Li, Majid Charmchi, J.K. Chen, Roy Hogan (Executive Committee representative)

Meeting was called to order. Ben Li chaired the meeting.

1. Roy Hogan representing the executive committee informed the K-15 Committee on two issues: (a) simplification of copyright forms (the corresponding author can sign on behalf of all authors), and (b) Draft of HTD bylaws.
2. Ben Li suggested that if the changes are highlighted in the bylaws, it will be easier for the committee members to recognize the new changes.
3. Low attendance of K-15 committee meeting was discussed. Ben Li suggested changing our committee name to “Committee on Transport Phenomena in Thermal Processing” and the idea was supported by all attendees. This change should be discussed by the committee members initially through email, and in detail at future meetings.
4. K-15 sponsored the following sessions in the 2008 IMECE:
 - a. Transport Phenomena in Materials Processing and Manufacturing I (Guo-Xiang Wang and Xiulan Huai), 5 papers.
 - b. Transport Phenomena in Materials Processing and Manufacturing II (Guo-Xiang Wang and Xiulan Huai), 4 papers.
 - c. Laser Applications in Manufacturing and Materials Processing (Junling Hu and Hai-Lung Tsai), 4 papers
 - d. Grinding Applications in Manufacturing and Materials Processing (Junling Hu), 5 papers
 - e. NSF Symposium on Advanced Thermal Processing (Wilson Chiu and Costas Grigoropoulos), 3 sessions, 6 invited presentations.
5. K-15 Committee will sponsor the following topics in 2009 Summer Heat Transfer Conference (July 19-23, San Francisco, CA)
 - a. Transport Phenomena in Manufacturing and Materials Processing (Sy-Bor Wen, Wilson Chiu)
 - b. Heat and Mass Transfer in Nanomanufacturing (Tae Choi, Patrick Mensah)
 - c. Transport Phenomena in Biological Materials Processing (Ronghui Ma, Calvin Li)
6. K-15 Committee will sponsor the following topics in 2009 IMECE (Nov. 13-19, Orlando, FL)
 - a. Transport Phenomena in Manufacturing and Materials Processing (Calvin Li, Ronghui Ma)
 - b. Laser in Thermal Processing and Applications (Yuwen Zhang, Majid Charmchi, J.K. Chen)

- c. Materials Processing Issues in Energy Systems (Wilson Chiu, Patrick Mensah)
 - d. Transport Phenomena in Composite Materials Processing (Majid Charmchi)
 - e. Heat and Mass Transfer in Nanomanufacturing (Tae Choi, Patrick Mensah)
 - f. Transport Phenomena in Biological Materials Processing (Ronghui Ma, Calvin Li)
7. Future Conferences
- a. 10th AIAA/ASME Joint Thermophysics Conference, Chicago, June 28-July 1, 2010 (AIAA will lead)
 - b. 14th International Heat Transfer Conference, Washington, DC, August 7-13, 2010
 - c. HTD will not participate 2010 IMECE
 - d. ASME/JSME Joint Conference in Thermal Engineering, Honolulu, HI, Middle of March 2011.
 - e. HTD may or may not participate the 2011 IMECE (Denver, CO, 2nd week of November)

The meeting was adjourned.

Respectfully submitted by Yuwen Zhang (zhangyu@missouri.edu).