

Meeting Minutes

K-16 COMMITTEE ON HEAT TRANSFER IN ELECTRONIC EQUIPMENT

ASME IMECE 2011
Colorado Convention Center, Street Level #602
Denver, CO USA
Tuesday, Nov 15, 2011,
5:00pm - 7:00pm

In Attendance (11): Yogi Joshi (Georgia Tech), Amy Fleischer (Villanova), Pradip Majumdar (Northern Illinois University), Bahgat Sammakia (SUNY Binghamton), Mark North (Thermacore), Ed Walsh (University of Limerick), Jim Petroski (Rambus), Samuel Graham Georgia Tech), Victor Chiriac (Qualcomm Inc), Michael Ohadi (U. Maryland), and from the Exec Committee Lou Gritzo.

1. Self-introduction of attending K-16 committee members.
2. Approval of minutes of K-16 meeting from 2011 InterPACK Conference, Portland, Oregon (report posted on K-16 website), Victor
3. Review of IMECE 2011. (Shirish Mulay and Mark Kimber organized the K-16 part of the conference). A summary below:
 - a. Symposium on Advanced Packaging, Power Electronics & Photonics: 5 Abstracts 5, 4 Draft Papers and **4 Final Papers**
 - b. Student Poster Contest: 9 Abstracts, 4 Draft Papers and **4 Final Papers**
 - c. Symposium on Heat Transfer in Electronic Equipment: 26 Abstracts, 22 Draft Papers and **15 Final Papers**
4. Status Update on K-9 Track, Heat Transfer in Electronic Equipment at the 2012 Heat Transfer Conference, to be held July 8 – 12, 2012, at the Wyndham Rio Mar Beach Resort in Puerto Rico Puerto Rico (received from A Abdelmessih, K-9 Track Chair).
 - a) As of November 11, received a total of 44 abstracts.
 - b) Allocated 6 sessions: 1) Thermal Management of Handheld Systems, 2) Data Center Cooling, 3) Thermal Issues in Emerging Technologies, 4) Two Phase Cooling of Electronics, 5) Modeling and Simulation, 6) Transport Phenomena in Micro-Nano Porous Structures for Water Desalination and Other Separation Applications.
 - c) Allocated 1 Panel: Thermal Challenges in Legacy and Future Data Centers

5. Update on IITHERM 2012 provided by Sam Graham on behalf of Sandeep Tonapi, Conference Chair. IITHERM 2012 will be co-located with ECTC at the Sheraton, San Diego from May 30 to June 1, 2012. Mehdi Asheghi is the Program Chair.

6. Report on Journal of Electronic Packaging provided by Bahgat Sammakia (Binghamton University), Editor. Total page allocation maintained at 500 pages/year

- Four issues of JEP published (2010/11)
 - September 2010: 12-TP , 1-DIP (87 pgs)
 - December 2010: 16-TP (106 pgs)
 - March 2011: 9-TP, 1-TB (92 pgs)
 - June 2011: 17-TP, 1-Intro (139 pgs)
- JEP Total Review Process Time for 2010/11 is 16.5 weeks
- Median Time to Publish (from submittal) for 2010/11 is 54.2 weeks
- Paper acceptance rate was 44% for 2010-2011 papers
- 2010 JEP Impact Factors: 1 year = 0.564, 5 year = 0.955
- Special JEP issues (Published/ *Planned*)
 - Thermanic '08 (5 papers- March 2011)
 - Carbon Nanotube as a Novel Nano-Scale Material (9 papers-June 2011)
 - *InterPACK 2011-Avi Bar-Cohen Honor (March 2012)*
 - *ThETA 3 (December 2012)*
 - *Thermanic 2010 (7 papers- TBD 2013)*
- 2011 JEP Associate Editor of Year Award to Koneru Ramakrishna

Request to shorten the review period to 48 weeks.

7. Comments from Exec Committee (rep Lou Gritz):

- a. Impact Factors for most Transactions have dropped. (JEP dropped by 27% from 0.78 to 0.56 within the last years). ASME concerned that the drops have not been evaluated properly for various publications
- b. Some revisions to the ASME By-Laws related to the Journals also expected changes in the format of the ASME Journals.
- c. 75th Anniversary of the Heat Transfer Division to be celebrated in Minneapolis, MN in July 14 – 19, 2013, at the Summer Heat Transfer Conference 2013 (co-located with the Fuel Cell conference)
- d. Highlights of Newsletters (James Klausner of ASME will send out the template/format).
- e. Needs Editor – ASME Journal of Nanotechnology in Engineering/Medical

7. New Business

- a. IMECE 2012: Mark Kimber is the KCR. Mark North (Thermacore) was nominated/selected co-KCR.
 - b. IPACK 2013 to be held July 8 – 11, 3 possible US locations: Anaheim, San Jose and Portland. Overseas options evaluated as well. Erin Dolan (ASME staff) works on it.
 - c. K-16 clock award selection for 2011: Amy Fleischer nominated and received the Award at the EPPD reception at IMECE 2011 in Denver, CO.
 - d. Membership update – new applicant members: Baris Dogruoz (Amoeba), Chuck Mining (ex-JPL), Fatemeh Hassanipour (U Texas – Dallas) and Michael Ohadi (University of Maryland). To be discussed/confirmed at the May meeting.
8. Next K-16 Committee Meeting: 2012 ITherm, May 31 – June 1, San Diego, California.
9. Meeting Adjournment