

## Meeting Minutes

### K-16 COMMITTEE ON HEAT TRANSFER IN ELECTRONIC EQUIPMENT

ASME IMECE 2012  
Hilton Americas, 1600 Lamar Street  
Houston, TX 77010  
Tuesday, Nov 13, 2012, 12:00-1:30pm

In Attendance (13): Yogi Joshi (Georgia Tech), Satish Kumar (Georgia Tech), Mike Ohadi (U. Maryland), Tse Eric Wong (Raytheon), Jeff Suhling (Auburn University), Ankur Jain (UT Arlington), Elham Maghsoudi (LSU), Lashion Pettiford (ASME), Stephen Crane (ASME), Brendon Holt (Raytheon Missile System), Satish Chaparala (Corning Inc), SB Park (SUNY Binghamton) and Victor Chiriac (Qualcomm Inc)

Victor Chiriac ran the K-16 meeting on behalf of Gamal Refai-Ahmed and Sam Graham.

1. Self-introduction of attending K-16 committee members.
2. Approval of minutes of K-16 meeting at 2011 IMECE Conference, Denver, CO (posted on K-16 website).
3. Report on IMECE 2011 (Nov 2011, Denver, CO) presented by Satish Chaparala (EPPD rep) on behalf of Mark Kimber and Shirish Mulay. At IMECE 2011, K-16 held a joint session with EEPD. A summary of the sessions held and papers submitted :
  - a) Symposium on Advanced Packaging, Power Electronics & Photonics: 5 Abstracts, 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**
- 7 reviewed papers were withdrawn by the authors as they could not attend the conference.
4. Update on 2012 Summer HT conference provided by Mike Ohadi on behalf of Amanie Abdelmessih.

Organized 7 sessions and 1 Panel (Thermal Challenges in Legacy and Future Data Centers). Accepted 31 articles and 2 extended abstracts, of these 30 were presented. The panel had success thanks to the efforts of Dr. Agonafer and Dr. Sammakia.

5. Update on 2013 Heat Transfer Conference provided by Mike Ohadi on behalf of Amanie Abdelmessih, Track co-chair.

The conference will be held in Minneapolis, MN July 14-19, 2013. Hope to see many of you in MN. Track 10 at the 2013 Heat Transfer Conference update on articles:

7 Sessions, 1 Cancelled, 37 abstracts submitted, 22 draft papers submitted,

This is the lowest submittal of articles we ever had due to the conflict with InterPACK scheduled at the same time in San Francisco. Projected activities

- Celebration of the 75<sup>th</sup> Anniversary
- NSF workshop 9a.m. – 3 p.m. 'Emergent Trends in Heat Transfer Engineering,' open to all attendees
- Special journal publications. Special Editor will be Dr. Leslie Phinny
- Keynote lectures (each encompasses several areas of Heat Transfer)
- Panels (each encompasses several areas of Heat Transfer)

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

- Four issues of JEP published (2011/12)
  - September 2011: 14-TP , 1-TB (109 pgs)
  - December 2011: 17-TP, 2-D (177 pgs)
  - March 2012: 12-TP (89 pgs)
  - June 2012: 19-TP, 1-Intro (156 pgs)
- JEP Total Review Process Time for 2011/12 is 16.5 weeks
- Median Time to Publish (from submittal) for 2011/12 is 60.0 weeks
- Paper acceptance rate was 46% for 2011-2012 papers (includes special issue invited papers)
- 2011 JEP Impact Factors: 1 year = 0.694 (23% increase from 2010)
- Special JEP issues (Published/ *Planned*)
  - Thermionic '08 (11 papers- March 2011)
  - Carbon Nanotube as a Novel Nano-Scale Material (17 papers-June 2011)
  - *InterPACK 2011-Avi Bar-Cohen Honor (17 papers - June 2012)*
  - *Printed Electronics (18papers – March 2013)*
  - *Data Centers (15 papers- June 2013)*
- 2012 JEP Associate Editor of Year Award to Guo-Quan Lu

- 2012 JEP Best Paper of Year award – “Optimization of Enclosed Aisle Data Centers Using Bypass Recirculation”, Demetriou and Khalifa, June 2012 Issue

Request to shorten the review period to 48 weeks.

#### 6. New Business

- a. Discussions on July 2013 schedule conflicts between Interpack and SHTC.
- b. K-16 clock award selection for 2012. Professor Jayathi Murthy is the 2012 Clock Award recipient. She received the award at the EPPD reception at IMECE 2012.
- c. Discussion on K-16 Clock Award award selection.
- d. Reviewed the membership list. Membership update – members were reminded to submit new contact information for website updates if they have changed positions.

7. Next K-16 Committee Meeting will be held at 2013 InterPACK conference, July 2013.

8. Meeting Adjournment