

**K-16 Electronics Cooling Committee
Meeting Minutes
Wednesday, June 2, 2004, 6:00-7:30 pm
Itherm 2004, Las Vegas, NV**

Attendance:

Last Name	First Name	Affiliation	Email Address	Member
Agonafer	Dereje	Univ. of Texas at Arlington	agonafer@uta.edu	Y
Amon	Christina	Carnegie Mellon	camon@cmu.edu	Y
Bar-Cohen	Avram	University of Maryland	abc@umd.edu	Y
Berhe	Mulugeta	Fluent	mkb@fluent.com	Y
Bhavnani	Sushil	Auburn University	bhavnani@eng.auburn.edu	Y
Chiriac	Victor	Freescale Semiconductor	victor.chiriac@motorola.com	Y
Culham	Rick	University of Waterloo	rix@mhtlab.uwaterloo.ca	Y
Ellsworth	Michael	IBM Corporation	mje@us.ibm.com	Y
Fleischer	Amy	Villanova University	amy.fleischer@villanova.edu	Y
Garimella	Suresh	Purdue University	sureshg@ecn.purdue.edu	Y
Joshi	Yogendra	Georgia Tech	yogendra.joshi@me.gatech.edu	Y
North	Mark	Thermacore, Inc.	m.t.north@thermacore.com	Y
Ortega	Al	University of Arizona	ortega@u.arizona.edu	Y
Ramakrishna	Koneru	Freescale Semiconductor	K.Ramakrishna@freescale.com	Y
Refai-Ahmed	Gamal	Gamaeng	gamal@gamaenginc.com	Y
Samakia	Bahgat	SUNY Binghamton	bahgat@binghamton.edu	Y
Schmidt	Roger	IBM Corporation	c28rrs@us.ibm.com	Y
Dogruoz	Baris	University of Arizona	mbd@u.arizona.edu	N
Kim	Sung	KAIST	sunjinkim@kaist.ac.kr	N
Petroski	James	GELcore	Jim.Petroski@gelcore.com	N
Phinney	Leslie	Sandia National Labs	lphinn@sandia.gov	N
Prakash	Mani	Intel	mani.prakash@intel.com	N

1. NHTC '04 – Update by Cristina Amon
 - No sessions sponsored by K16 committee

2. NHTC '05 and InterPACK '05 – Update by Cristina Amon and Al Ortega
 - InterPACK '05 to be held July 17-22, 2005 at the Westin St. Francis Hotel, San Francisco, CA, USA.
 - InterPACK '05 will be co-located with the 2005 NHTC
 - It has not yet been determined if there will be a sole registration fee (same fee to attend sessions from both conferences). Concern was raised that with InterPACK '03 at a much higher cost (~ \$800) than NHTC (~ \$450), the sole registration fee might be considerably higher than the NHTC fee. 2005 registration expected to be much less than InterPACK '03 and closer to the NHTC fee.
 - Gamal Rafai-Ahmed has volunteered to be the K16 KCR to NHTC '05

3. Itherm '04 – Update by Koneru Ramakrishna (Rama)
 - Tutorials / Short Courses (organized by Gamal Rafai-Ahmed and Al Ortega) were very successful.
 - Total of 205 papers. This represents ~30% increase over Itherm '02
 - Attendance : ~305 (roughly on par with Itherm '02).

- Recommendation for Itherm '06 – Need to manage paper growth
 - Go back to 3 tracks (Thermal, Mechanical, and Emerging) – Supports ~135 papers
 - Grow “poster” session to 40-50 papers
 - Cap total number of papers at 200
- Revenue from exhibits: today it is a 50/50 split with ECTC; ECTC wants it to go to 15/85 in favor of ECTC. Would represent ~\$12K revenue hit. Negotiations with ECTC needed to address issue. Rama and Itherm executive committee to handle.
- Discussion took place – question raised to have Itherm break away from ECTC (to possibly co-locate with Semitherm). Topic was met with very mixed reviews. There was a suggestion to form a committee to study the situation, but was not voted on.

4. IMECE '04 – Update by Mulugeta Berhe.

- Currently 7 sessions; 37 abstracts, and 2 panels. 30 draft papers received.
- Dereje Agonafer recommended that the committee, in the future, put together a panel on the limits and extendibility of air cooling
- Avram Bar-Cohen announced that there will be a special symposium to honor Alan Kraus. Is being driven by EPP division: 4 sessions; 2 panels. Suggested to try to have symposium be less disruptive to regular sessions + have sessions closer to the middle of the week to overlap with HTD.

New Business:

A) IMECE '05-'06 K16 KCR needed

- Greg Walker's term ends this year (2004)
- Mulugeta Berhe's term ends 2005
- Amy Fleischer and Chuck Manning have both volunteered. Choice is TBD???

B) Add a committee officer position: Secretary

- Suggested by Don Price in 2003
- Position would alternate between industrial and academic (first position to be filled would be industrial)
- Position would be added to the line of succession (Secretary to become Vice-Chair, Vice Chair to become Chair)
- New secretaries would be nominated by committee members then voted on by the committee.
- There needs to be a vote by the committee to adopt the new position – must also look into the HTD having to ratify the position.

C) Officer Term Change

- Proposed to reduce the term from 3 years to 2 years (would apply to all office positions)
- Must be brought up to the HTD
- There was a unanimous motion to accept a change to a 2 year term.

D) Web Master Volunteer requested

- Amy Fleischer agreed to take over Web Master responsibilities from Mike Ellsworth

E) News Letter

- Bagat Samakia raised the issue of resurrecting the news letter
- General consensus was to utilize web page for this purpose
- Amy Fleischer agreed to work the function of the news letter into the web page

F) Meeting Adjourned