

May 2008 Review Meeting
May 8-9, 2007
Purdue University

Wednesday, May 7, 2007

Opportunity for informal dinner appointments with CTRC students, at Member request.

Thursday, May 8, 2007 - Burton D. Morgan Center

7:30 Continental Breakfast (Room 102, Burton D. Morgan Center)

8:00 Welcome, Introductions, Meeting Overview (Room 121, Morgan Center)

8:10 Center Update (Garimella)

8:50 STATUS & HIGHLIGHTS OF CTRC PROJECTS AND FEEDBACK

(~ 15 min presentation, 10 min discussion & feedback on LIFE forms)

8:50 Characterization of composite heat spreaders (Fisher, Garimella)

9:15 Thermal and electrical characterization of CNT vias (Fisher, Sands)

9:40 Thin-Film Evaporation in Cold Plates and Heat Pipes (Dhavaleswarapu)

10:05 BREAK

10:20 Boiling Heat Transfer in Microchannels using Surface Treatment (Jones, McHale)

10:45 Miniature-scale linear compressors for electronics cooling (Groll, Garimella)

11:10 Acoustically enhanced heat transfer (Bolton, Groll)

11:35 Control of cooling fan noise by radiation efficiency control (Bolton)

12:00 Introduction of Posters

12:20 LUNCH and Student Poster Session (Room 102, Morgan Center)

1:50 Thermal contact resistance between silicon and organic interface materials
(Blendell, Handwerker)

2:15 Electromechanical transport of nanofluids: Microfluidic pumping and heat transfer
enhancement. (Liu, Garimella)

2:40 Break

255 Company
Introductions

2:55 Company #1

3:10 Company #2

3:25 Company #3

3:45 Lab Open Houses - Birck Nanotechnology Center (2283, 2239), Electronics Cooling Lab (ME 61) and Thermal Microsystems Lab (ME 71), Herrick Laboratories

6:30 DINNER - TBA

For questions, contact: Dr. Suresh Garimella, Director, CTRC (765) 494 5621 or
Christine Merrill, Administrative Coordinator, CTRC cmerrill@purdue.edu

Friday, May 9, 2007 - Burton D. Morgan Center

7:30 Continental Breakfast

8:00 Poster Contest winner announcement

8:10 Discussion of Industry Feedback (via LIFE Forms)

9:00 CTRC Portfolio review

9:30 Industry Needs Discussion Panel

10:15 BREAK

10:30 Industrial Advisory Board Meeting (CLOSED SESSION)

11:30 Wrap-up and Action Items

12:00 MEETING ADJOURNMENT

LIFE - Level of Interest and Feedback Evaluation

For questions, contact: Dr. Suresh Garimella, Director, CTRC (765) 494 5621 or
Christine Merrill, Administrative Coordinator, CTRC cmerrill@purdue.edu