May 2010 Review Meeting
May 11-12, 2010
Purdue University

Monday, May 10, 2010
Opportunity for informal dinner appointments with CTRC students, at Member request.

Tuesday, May 11, 2010 - Burton D. Morgan Center
7:30    Continental Breakfast (Room 102, Burton D. Morgan Center)
8:00    Welcome, Introductions, Meeting Overview (Room 121, Morgan Center)
8:15    Center Update (Garimella)
8:25    NSF Remarks
8:35    STATUS OF CTRC PROJECTS (15 min. presentation, 10 min. discussion & feedback on LIFE forms)
        8:35    Update on Electrowetting - NSF Fundamental Research Supplement (Annapragada, Dash)
        9:00    Assessment of Alternative Waste Heat Recovery Opportunities (Little)
        9:25    Performance Enhancement in Polymeric TIMs: Hierarchical Nested Channels and Improved Interfacial Adhesion (Bajaj, Khalsa)
        9:50    Compliant Thermal Interface Adhesives (Lin)
10:15   BREAK
10:30   Investigation of Nucleate Boiling Mechanisms in Forced Convection using Laser-Induced Fluorescence Thermography - NSF Fundamental Research Supplement (Jones)
10:55   Thermoelectric Power Generation from Waste Heat in Electronic Systems (Wang)
11:20   Flow Regime-Based Predictive Model for Flow Boiling in Microchannels (Ritchey, Paranjape)
11:45   Update on Thin-Film Evaporation - NSF Fundamental Research Supplement (Migliaccio)
12:10   Introduction of Posters
12:15   Group Picture
12:20   LUNCH and Student Poster Session (Room 102, Morgan Center)
2:00    Thermal Cycling Fatigue Effects on the Contact Resistance of Organic Interface Materials on Si (Blendell, Handwerker)
2:25    Graphene-based Thermal Interface Materials (Hu)
2:50    Two Phase Liquid Jet Impingement Cooling (West)
3:15    Break
3:30    Company Introductions
3:30    Sharp Labs – Wei Pan
3:40    Alcatel Lucent – Todd Salamon
3:50    TBA
4:00    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 Deanne Kemeny, Administrative Coordinator, CTRC dkemeny@purdue.edu
Wednesday, May 12, 2009 – 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
9:15  Industry Needs Discussion Panel – Brainstorming Session
10:15 BREAK
10:30 Industrial Advisory Board Meeting (CLOSED SESSION)
11:30 Wrap-up and Action Items
12:00 MEETING ADJOURNMENT

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LIFE - Level of Interest and Feedback Evaluation

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