I/UCRC in Energy Efficient Systems Planning Grant Meeting
December 1-2, 2010
Binghamton University

AGENDA

<u>**November 30:**</u>
Traditions at the Glen, Johnson City, NY

5:00-6:30 pm   **Networking Reception**

<u>**December 1:**</u>
Old Union Hall, University Union

	Participant Registration
7:30 - 8:15 am	**Continental Breakfast**
	Welcome remarks:
8:15 - 8:35 am	Peter Mileur, Vice President and Provost
	Bahgat Sammakia, NSF I/UCRC in Energy Efficient Systems, Director, Binghamton U
	Vision and Capabilities of the Center
	I/UCRC Site Directors
	Bahgat Sammakia and Kanad Ghose, Binghamton University
8:35 - 9:15 am	Yogendra Joshi, Georgia Institute of Technology
	Dereje Agonafer, University of Texas at Arlington
	Andrew Alleyne, University of Illinois at Urbana Champaign
	Alfonso Ortega, Villanova University
	NSF I/UCRC presentation
9:15 - 10:00 am	Rathindra DasGupta, NSF I/UCRC Program Director
	Larry Hornak, NSF I/UCRC Program Director
	Donald Price, I/UCRC External Evaluator
10:00 - 10:15 am	**BREAK**
	Project Presentations
	Exploiting Repetitive Workloads for Improving Server Energy –Efficiency
	Kanad Ghose, Binghamton University
	Optimized x86 Server CPU Architectures for Energy Efficiency
	Kanad Ghose, Binghamton University
10:15 – noon	
	Scalable Control of Thermal System Networks for Data Centers
	Andrew Alleyne, University of Illinois
	Dynamic Effects due to Air Flow and Power Variations in a Data Center
	Bahgat Sammakia, Binghamton University
	Energy Usage Minimization for Air Cooled Cabinets
	Yogendra Joshi, Georgia Institute of Technologoy

noon - 1:00 pm	**LUNCH**

Project Presentations

Assessment of Air Side Economizers
Dereje Agonafer, University of Texas at Arlington

Compact Models for Real-Time Thermal Modeling of Data Centers
Yogendra Joshi, Georgia Institute of Technology

1:00 - 3:00 pm

Very High Power Air Cooling Solutions (Modeling and Measurements)
Dereje Agonafer, University of Texas at Arlington

Exergy Based Approaches for Holistic Design of Energy Efficient Data Centers
Alfonso Ortega and Kamran Fouladi, Villanova University

Some Approaches for Recovery of Waste Energy from Data Centers
Alfonso Ortega, Villanova University

3:00 - 3:15 pm	**BREAK**

3:15 - 4:15 pm	**Industry Workshop** Babu DasGupta, Moderator

4:15- 4:30 pm	**Review of evening and Day 2 activities** Bahgat Sammakia, I/UCRC Director

5:00 pm	**Technical Forum and Social** Student Poster Session
Anderson Reception Room	

7:00 pm	Dinner

December 2
Old Union Hall

7:30 - 8:00 am	**Continental Breakfast**

8:00 - 9:30 am	**Feedback from Industry Workshop** Roger Schmidt, IBM, Industry Moderator
9:30 - 11:00 am	**LIFE FORM review and Discussion** Rathindra DasGupta

11:00 - 11:30 am	**NSF Closed Session with Industry**

11:30 - 12:00 pm	**Summary & Closing Remarks** Bahgat Sammakia and Kanad Ghose Rathindra DasGupta

ADJOURN