

**Center for Building Performance and Diagnostics (CBPD)
Advanced Building Systems Integration Consortium (ABSIC) Meeting**

Carnegie Mellon University
The Robert L. Preger Intelligent Workplace
Margaret Morrison Carnegie Hall, Room 415
October 24 and 25, 2006

Tuesday, October 24, 2006

- 8:30 a.m. Coffee and Pastries
9:00 Welcome and Introductions
- 9:15 **BIDS: Building Investment Decision Support**
Vivian Loftness and team
Guidelines and BIDS enrichment; Northwest Energy Alliance Spotlight
Healthcare: Case Studies, Baselines, Major findings.
- 10:45 Break
- 11:15 **NEAT/Productivity Protocol Development**
Azizan Aziz, Vivian Loftness, and team
GSA 20.20 Initiative - National Environmental Assessment Toolkit development
Field Study Results - 35 sites; General Services Administration
- 12:30 p.m. Lunch
- 1:30 **IWESS (Intelligent Workplace Energy Supply System)**
David Archer, Volker Hartkopf, and team

Introduction: *David Archer*
Broad Two Stage, Steam Driven Absorption Chiller - *Hongxi Yin*
Solar Receiver and Absorption Chiller System - *Ming Qu, Sophie Masson*
BioDiesel Fueled Power Generation, Heat Recovery System - *Fred Betz*
- 3:00 Break
- 3:30 **IWESS Part 2**

LTG Fan Coils with Siemens Control System - *Yun Gu, Viraj Srivastava*
SEMCO Enthalpy Recovery, Solid Desiccant Dehumidification, Heat
Pump Ventilation System - *Chaoqin Zhai*
Solar Thermal Cooling/Heating of the IW - *Sophie Masson, Ming Qu*
Summary: *David Archer*

- 4:30 **World Business Council for Sustainable Development, WBCSD**
Energy Efficiency in Buildings Project - *Kelly Speakes*, UTC Power
- 5:15 Meeting adjournment
- 7:00 Dinner at the Grand Concourse Restaurant,
One Station Square, Pittsburgh, Pennsylvania
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Wednesday, October 25, 2006

- 8:30 a.m. Coffee and Pastries,
Introduction of new MS & PhD students, exchange professionals, and
Post Docs
- 9:00 **Other Ongoing CBPD Projects**
NIST/ATP UTRC Integrated concurrent design of high efficiency commercial
buildings - *Khee Poh Lam*
Assessment of Physical and Computational Airflow Analysis and Evaluation
Tools for Building Design - Northwest Energy Alliance - *Khee Poh Lam*
AOC Integrated System Performance Specifications for Building Retrofit
Prioritization – *Vivian Loftness, Nina Baird*
National Academy of Sciences Review and Assessment of the Health and
Productivity Benefits of Green Schools – *Vivian Loftness*
Update of USGBC Research and AIA COTE initiatives - *Vivian Loftness*
IBACOS Project - *Khee Poh Lam*
National Library of Singapore - *Khee Poh Lam*
A simple tool to determine Solar Rights in Israel - *Abraham Yezioro*,
visiting scholar from the Technion, Haifa, Israel
Transatlantic Bridge of Best Practices - *Volker Hartkopf*
- 12:00 noon Meeting adjournment

Lunch
- 1:30 p.m. **ITEST Meeting**