

Enabling Technologies Development

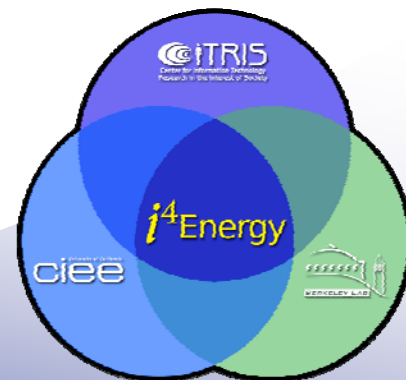
Technical Advisory Committee Meeting

April 21, 2011
UC Berkeley

Gaymond Yee

Project Manager

California Institute for Energy and Environment

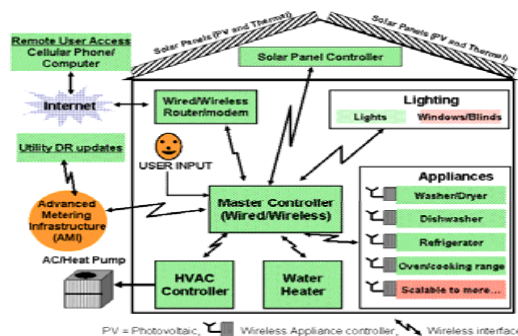


Other ETD Projects

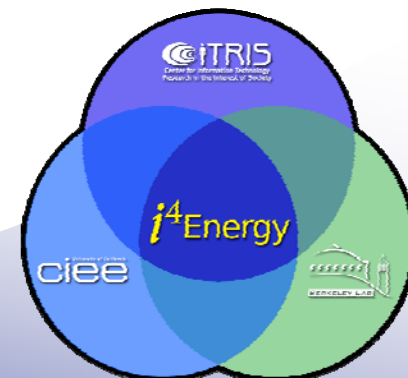


Privacy in the Smart Grid (completed)
(Deirdre Mulligan, UC Berkeley)

Information Displays and Thermal Comfort
(Therese Peffer, CIEE)



Integrated & Cognitive Home EMS
(San Diego State University)

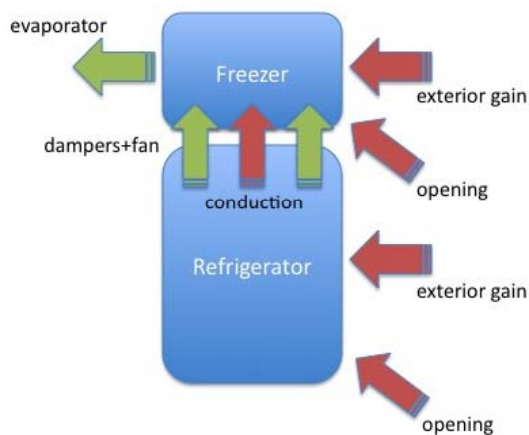


Other ETD Projects

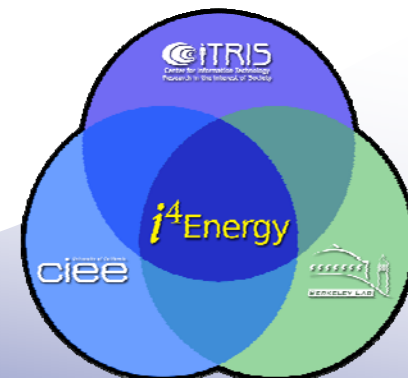


Self-Correcting HVAC Controls
(Pacific Northwest National Laboratory)

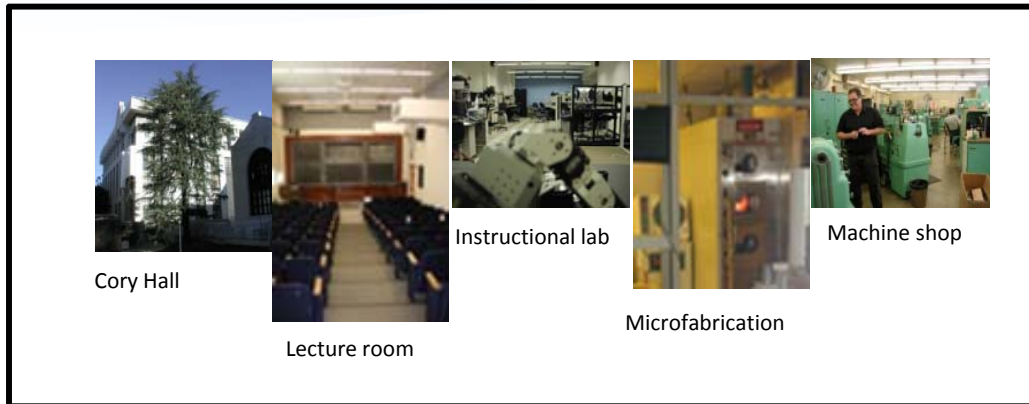
**Residential Energy Gateway
Reference Design**
(David Auslander, UC Berkeley)



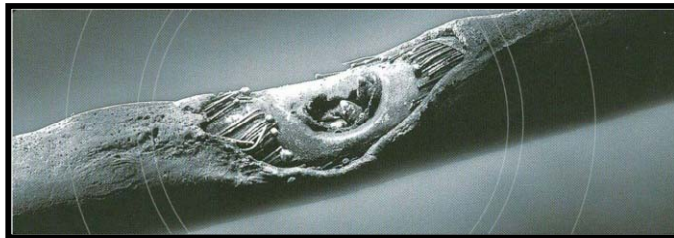
**Renewable Energy Integration
Modeling**
(Duncan Callaway, UC Berkeley)



Other *i*⁴Energy Projects



**Building-to-Grid Information Exchange
Testbed (Cory Hall - completed)**



**Underground Cable Failure
Modeling and Detection**



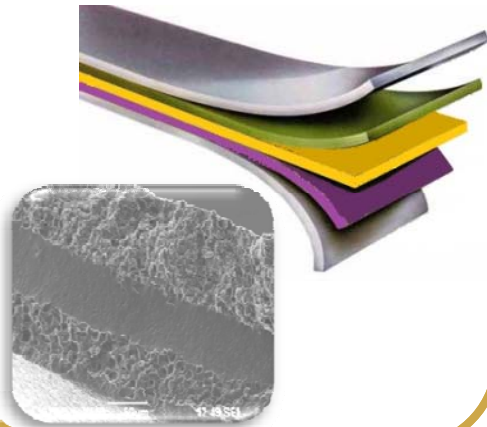
**Distributed Intelligence
Automated Demand
Response (DOE-ARRA)
(Sutardja Dai Hall)**

2 new and 1 follow-on PIER Projects (2011)

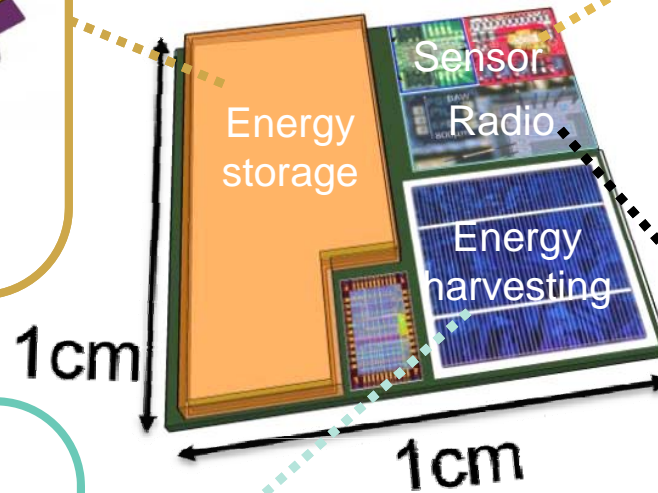


Wafer-Scale Integration

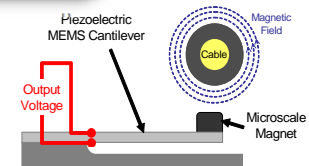
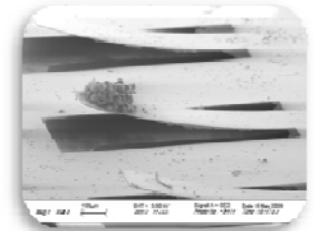
Energy Storage



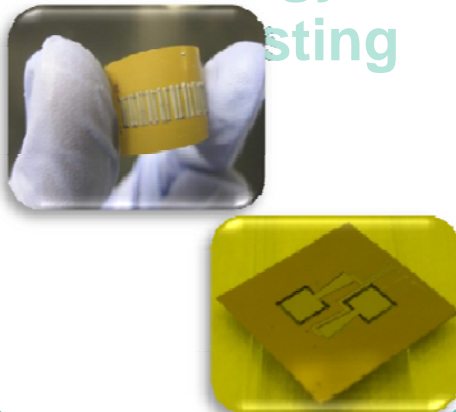
Wireless Sensor Micro-device



MEMS Sensor



Energy Harvesting



Radio

