

Philips Visit to LBNL
December 7, 2007
8:00am to 12:15pm
Building 90- Room 3122
and
Tours as noted

- 8:00 – 8:15 Arrival – introductions – continental breakfast
- 8:15 – 8:30 Philips overview/discussion/reason for visit, including collaboration goals –
Satyen Mukherjee, Terry Doyle
- 8:30 – 9:00 LBNL/EET/Division/Buildings – Arun Majumdar
Overview of expertise, capabilities, current and planned work
Collaboration goals, models
- 9:00 – 9:10 Technology Transfer at LBNL – Cheryl Fragiadakis
- 9:10 – 10:40 Creating a Vision for Building Energy Management and Control Systems
Opportunities and associated Simulation needs
- Overview – Steve Selkowitz
 - technical, market, commercial v. residential opportunities/challenges
 - End use goals/functions/market value, e.g. energy, carbon, demand response, comfort, security
 - A framework for developing new opportunities
 - LBNL Building Technologies and Tools
 - Electric lighting, incl sources, fixtures, advanced controls
Francis Rubinstein
 - Daylighting and active façade management – Eleanor Lee
 - Automated Diagnostics – Philip Haves
 - Energy Information Systems/Demand Response –
Mary Ann Piette
 - Smart networks in buildings – Jim McMahon
 - Simulation tools - Michael Wetter
- 10:40 – 10:50 Break
- 10:50 – 11:30 Visit Virtual Controls Test Bed, Windows Test Facility (incl travel to and from)
- 11:30 – 12:15 Research collaboration framework
- Intro discussion – Reactions to opportunities
 - Technology Transfer and IP
 - Philips/LBNL collaboration options/opportunities
 - Conclusions and next steps