Thursday, April 21st: Plenary Session
Krutch Theatre, Clark Kerr Conference Center, Berkeley

Industry Partners, Research Affiliates, and Invited Guests

8:30 am  CONTINENTAL BREAKFAST AND REGISTRATION
9:00 am  WELCOME AND INTRODUCTIONS
9:35 am  RESEARCH PRESENTATIONS AND DISCUSSION

1. Radiant Systems Research Program: Update on new EPIC-sponsored project and related radiant research activities.

2. New Concepts for Personal Comfort Systems: Human lab study assessing thermoneutrality and thermosensitivity of local body areas.

10:30 am  MORNING BREAK & TECHNOLOGY DEMONSTRATIONS
10:50 am  RESEARCH PRESENTATIONS CONTINUED


4. Well-being and Personally Controlled Fans: Results from a field study in the tropics about productivity, sick building syndrome, thermal comfort and perceived air quality when people have access to personally controlled fans.

11:30 am  LIGHTNING SESSIONS  5-MINUTE UPDATES AND RESULTS


6. Productivity in the Workplace: New research directions focused on creating healthy, productive workplaces.


11:45 am  NEW PARTNER PRESENTATIONS: Introductions from some of CBE’s newest members: Ingersoll Rand and Saint-Gobain.

12:05 pm  LUNCH
1:05 pm  SPECIAL PRESENTATION: Much Ado about Nothing: Practices, Policies and People on the Path to Zero Net Energy Buildings
          Cathy Higgins, Research Director, New Buildings Institute (NBI)

2:05 pm  PARTNER PANEL SESSIONS: Discussion format to enable sharing of best practices and case studies.

Old School Meets High Tech: Designing for Comfort and Energy Efficiency with Ceiling Fans
CONCURRENT SESSION
Panelists: Thomas Lesser, Research & Development Manager, Big Ass Solutions; Gwelen Paliaga, Building Science & Emerging Solutions Technical Director, TRC Solutions; additional panelists TBA.
Today’s ceiling fans offer numerous benefits including quiet, low-energy operation, automation, connectivity, and are increasing seen in ZNE and deep-green projects. Panelists will discuss how new CBE research projects, pending code standards, and case studies can provide guidance on using fans as an integrated approach to energy efficient comfort.

**Advanced Technologies and Design Analysis for High Performance Façade** CONCURRENT SESSION

*Panelists: Paul Erickson, Sustainable Practice Leader, Affiliated Engineers; Helen Sanders, VP Technical Business Development, Sage Glass; Brandon Tinianov, VP Business Development, View Dynamic Glass; additional panelists TBA.*

Emerging facade technologies that emerged from many years of R&D are now moving into the mainstream. This panel of experts representing architecture, engineering and manufacturing will present several state-of-the art facade technologies in terms of capabilities, benefits, and design considerations.

3:20 pm  AFTERNOON BREAK & TECHNOLOGY DEMONSTRATIONS

3:45 pm  RESEARCH PRESENTATIONS CONTINUED

8. **Human Comfort Research Program:** *Multi-project R&D on alternatives to conventional conditioning: personal comfort systems and ceiling fans, standards development, and online tools.*

9. **Performance, Prediction and Optimization of Night Ventilation:** *Evaluation of field data across multiple climate zones*

4:35 pm  LIGHTNING SESSIONS  5-MINUTE UPDATES AND RESULTS

10. **Occupant-responsive HVAC Controls and Systems:** *Update on “Changing the Rules” project.*

11. **Are Radiant Buildings More Comfortable than All-air Buildings?** *Results from a literature review.*

12. **Lighting and Circadian Health:** *Background and update on recent research.*

5:00 pm  ADJOURN PLENARY SESSION

5:30 pm HAPPY HOUR AND DINNER: Faculty Club, UC Berkeley Campus

**Friday, April 22nd: Executive Session**  
Brower Center, 2150 Allston Way, Berkeley

*Primary Industry Partner Representatives (Two per partner firm, team or organization)*

8:00 am  CONTINENTAL BREAKFAST

8:15 am  INTRODUCTIONS & PARTNER IMPRESSIONS

9:00 am  DIRECTOR’S REPORT: CBE Director, Edward Arens

9:15 am  ADVISORY BOARD MEETING  
*Moderators: Phil Williams and Gwelen Paliaga*  
Review new research topics for FY’16-17  
Partner discussion

11:30 am  REVIEW OF EVALUATION FORMS  
Confirm next Industry Advisory Board Conference: October 19-21, 2016

12:00 pm  ADJOURN EXECUTIVE SESSION