

# DETAILED SCHEDULE – DAY 1 – 30 APRIL 2010



## REGISTRATION AND BREAKFAST

(Friday, 4/30, 7:30AM - 8:00AM)

LL: Reception Desk/Exhibit Lounge

## INTRODUCTION (Friday, 4/30, 8:00AM - 8:15AM)

LL: Auditorium

## SESSION 1 (Friday, 4/30, 8:15AM - 9:30AM)

### CONTEXT AND DESIGN - GENERAL

LL: Auditorium

**MODERATOR - John Fidler**

*Building Envelopes: An Integrated Approach*

Presenter: Jenny Lovell

*The Case for the Integration of High Performance Enclosures and HVAC Systems as a Means of Saving Energy*

Presenter: Andrew Corney

*How Integrated Design Enables and Inspires High Performance Building Systems*

†Presenter: Glenn Bell

## BREAK (15 minutes)

LL: Exhibit Lounge

## SESSION 2 (Friday, 4/30, 9:45AM - 11:00AM)

### DESIGN - WALL

LL: Auditorium

**MODERATOR - Michael Fox**

*Facade Engineering for a High Rise Project in Paris*

Presenter: Peter Simmonds

*Fluidized Building Envelopes, an Integrated Approach to Passive Cooling and Heating*

Presenter: Eric-Valentin Issertes-Carbonnier

*The Dilemma of Upgrading Historic Buildings to Modern Performance Expectations*

†Presenter: Christina Parker

## BREAK (15 minutes)

LL: Exhibit Lounge

## SESSION 3 (Friday, 4/30, 11:15AM - 12:30PM)

### DESIGN - WINDOWS

LL: Auditorium

**MODERATOR - Judson Taylor**

*Eliminating the Potential for Air and Moisture Infiltration at the Window-Wall Interface*

Presenter: Peter Poirier

*Architectural Glazing for Sound Isolation: LEED Challenges and Solutions*

Presenter: Linda Gedemer

*The GK Smart Window: Fenestration that Responds Effectively to Real-Time Changes in Temperature, Sunlight and Wind*

Presenter: Michael Fox

## LUNCH & KEYNOTES (Friday, 4/30, 12:30PM - 2:00PM)

UL: Dining Room

*Practical Sustainability: An Architectural Manifesto for the 21st Century*

Presenters: Barton Myers and Thomas Schneider

## \*SESSION 4a (Friday, 4/30, 2:00PM - 3:15PM)

### DESIGN - ROOF

LL: Auditorium

**MODERATOR - Dean Larsen**

*Roofing Integrated Solar Photovoltaics*

Presenter: Eric Smith

*Shaded Modular Roof Pond for Passive Cooling in Hot – Dry Climates*

Presenter: Rudolph Marnich

*Evaluating the Sustainability of Single-Ply Roofing: Striking a Balance Between Low-Impact and High-Performance Viewpoints*

†Presenter: Andreas Phelps

## \*SESSION 4b (Friday, 4/30, 2:00PM - 3:15PM)

### SUN, WIND & WATER – FRIENDS OR FOES?

LL: Mountain Vista

**MODERATORS - Will Shepphird and Judson Taylor**

*Naturally Ventilated Commercial Buildings*

Presenter: Christopher Dixon

*Kinetic Façade Design to Control Solar Thermal, Daylighting, Ventilation, and Energy Generation*

Presenter: Ryan Hansanuwat

*Vernacular Approaches to Bioclimatic Design*

Presenters: Judson Taylor and Will Shepphird

## BREAK (15 minutes)

LL: Exhibit Lounge

## \*SESSION 5a (Friday, 4/30, 3:30PM - 4:45PM)

### CASE STUDIES #1

LL: Auditorium

**MODERATOR - Judith Sheine**

*The Grand Rapids Art Museum: A Case Study of Invisible Green*

Presenter: Yo-ichiro Hakomori

*A Nice Finish: Brewery, Winery and Food Sciences Pilot Facility at UC Davis*

Presenters: Stevens Williams and Andrew Cunningham

*Cross Laminated Timber Structures in Austria*

†Presenter: Mark Mack

## \*SESSION 5b (Friday, 4/30, 3:30PM - 4:45PM)

### ORGANICALLY ASSISTED ENVIRONMENTAL CONTROLS

LL: Mountain Vista

**MODERATOR - Will Shepphird**

*Using the Landscape for Passive Cooling and Bioclimatic Control*

Presenter: Steven Sandifer

*Uninsulated Green Roofs: A Cooling Solution for Southern California*

Presenter: Pablo La Roche

*Vertical Garden: The Study of Vertical Gardens and Their Benefits for Low-Rise Buildings in Moderate and Hot Climates*

Presenter: Jamil Binabid

## COCKTAIL RECEPTION & STUDENT POSTER SESSION

(Friday, 4/30, 5:00PM - 6:30PM)

LL: Hillside Terrace

## DINNER & KEYNOTES (Friday, 4/30, 6:30PM - 8:30PM)

UL: Dining Room

*Beneath the Skin*

Presenters: Brandon Welling and Martin Summers

\*Concurrent Session – Please choose based on preference.

LL = Kellogg West Lower Level

UL = Kellogg West Upper Level

† Invited Speaker

See KW floor plan on reverse side of this sheet

# DETAILED SCHEDULE – DAY 2 – 1 MAY 2010



## REGISTRATION AND BREAKFAST

(Friday, 4/30, 7:30AM - 8:00AM)

LL: Reception Desk/Exhibit Lounge

## INTRODUCTION (Friday, 4/30, 8:00AM - 8:15AM)

LL: Auditorium

## SESSION 6 (Saturday, 5/1, 8:15AM - 9:30AM)

### DOUBLE-SKIN FAÇADES

LL: Auditorium

**MODERATOR - Pablo La Roche**

*Cleveland Clinic Abu Dhabi: An Unlikely Glass Hospital in the Desert*  
 Presenter: George Loisos

*Prefabricated Double Skin: Biomimesis of Natural Ventilated Environments*

Presenter: Jeffrey C. F. Ng

*Double-Skin Cable-Net Façade Case Study: Loyola Information Commons*

Presenter: Jason Kirchhoff

## BREAK (15 minutes)

LL: Exhibit Lounge

## SESSION 7 (Saturday, 5/1, 9:45AM - 11:00AM)

### ANALYSIS

LL: Auditorium

**MODERATOR - Octavian Vlasea**

*Quantifying the Dynamic Envelope: Climate Responsive Façade Design for Thermal, Visual Comfort, and Energy Performance in a Laboratory Building*

Presenters: John Breshears and Christopher Meek

*Carbon Counting: Simple Tools to Reduce Residential Building Emissions*

Presenter: Pablo La Roche

*Tools for Sustainable Design*

†Presenter: Juintow Lin

## BREAK (15 minutes)

LL: Exhibit Lounge

## SESSION 8 (Saturday, 5/1, 11:15AM - 12:30PM)

### CASE STUDIES #2

LL: Auditorium

**MODERATOR - Juintow Lin**

*German Low-Energy, Passive-House, and Plus-Energy-Buildings with Innovative Energy-Efficient Phase Changing Materials*  
 Presenter: Thomas Spiegelhalter

*Commonalities in High Performance Building Envelope Design: A Comparison of Two Projects*

Presenter: Tiffany Broyles

*Structurally Transparent Juxtaposition*

Presenter: Jeffrey Vaglio

## LUNCH

(Saturday, 5/1, 12:30PM - 1:30PM)

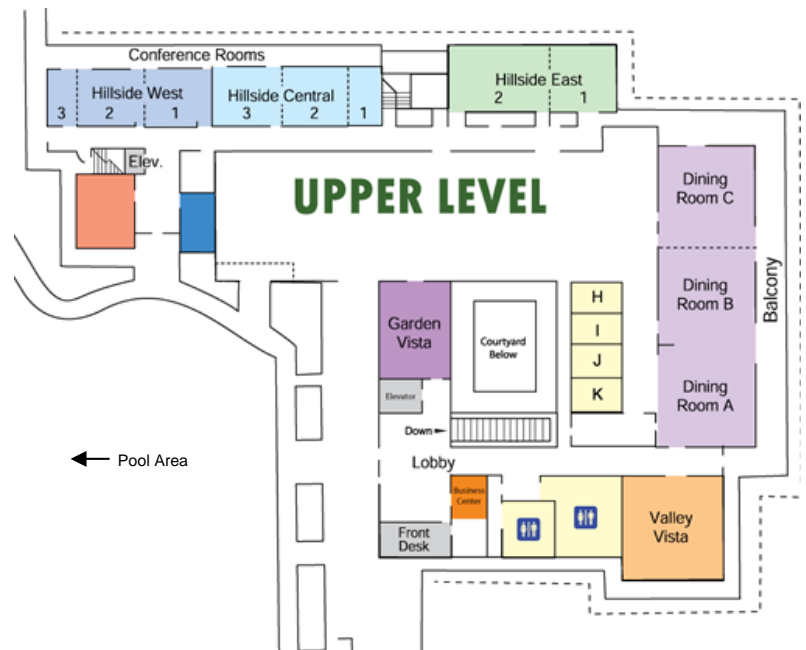
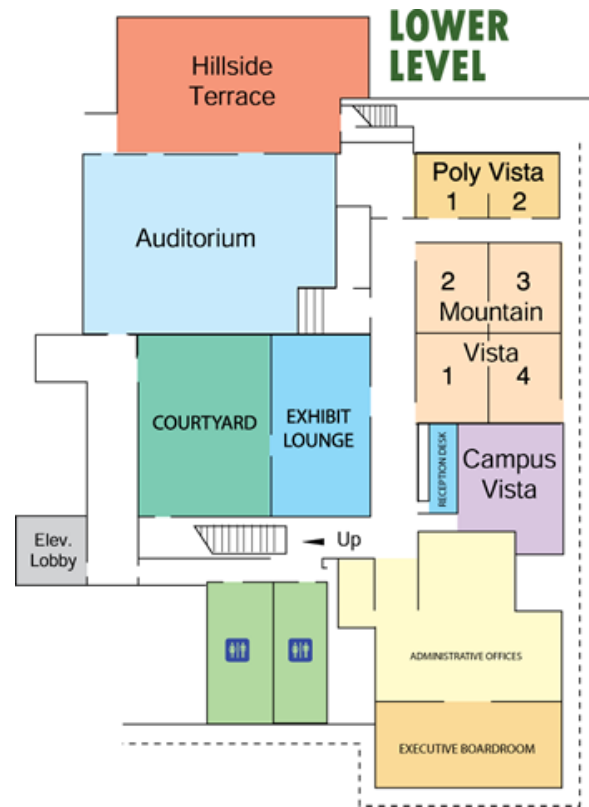
UL: Pool Area

## TOUR OF JOHN T. LYLE CENTER FOR REGENERATIVE STUDIES

(Saturday, 5/1, 1:30PM - 3:00PM)

UL: Lobby (Shuttle arrives 1:30PM for tour)

## KELLOGG WEST FLOOR PLAN



† Invited Speaker

LL = Kellogg West Lower Level

UL = Kellogg West Upper Level

See KW floor plan above