

2013. 07. 18[THURS]-**21**[SUN]

ZERO ENERGY SUMMER CAMP

advanced concepts in building energy use and
occupant comfort using architectural approaches to
design and simulation

4-Day Fee: \$1800

12 AIA CES Credits | Breakfast and lunch provided

Spots are limited. To register contact:

studio@coolshadow.com

TEL 510.521.3800

Thursday, July 18

LIGHT

08:30-09:00 Participant Check In and Light Breakfast
09:00-10:00 Introduction: Architecture as Filter
10:15-10:30 Measuring Light
10:30-11:30 Daylight, Glass and Shade
11:30-12:00 Software: HDR Photography
12:00-13:30 Lunch and Measuring Light
13:30-17:00 Design Lab #1: Light
17:00-18:00 Small Group Discussion

Friday, July 19

HEAT

08:30-09:00 Light Breakfast
09:00-10:15 Sun, Shade and Mass
10:15-10:30 Measuring Heat
10:30-11:30 Insulation and Thermal Bridging
11:30-12:15 Software: Climate Data and Sunpath
12:15-13:30 Lunch and Measuring Heat
13:30-17:00 Design Lab #2: Heat
17:00-18:00 Small Group Discussion

Saturday, July 20

AIR

08:30-09:00 Light Breakfast
09:00-10:30 Ventilation and Moisture
10:30-10:45 Measuring Air
10:45-12:00 Moisture and Machines
12:00-12:45 Software: Energy Simulation
12:45-14:00 Lunch and Measuring Air
14:00-17:00 Design Lab #3: Air
17:00-18:00 Small Group Discussion

Sunday, July 21

ENERGY

08:30-09:00 Light Breakfast
09:00-10:30 Renewable Energy
10:30-12:00 Software: Renewable Energy
12:00-13:00 Lunch and Measurement
13:00-14:00 Simulation and Integrated Design
14:00-16:00 Design Lab Review and Wrapup

LOISOS + UBBELOHDE
ARCHITECTURE . ENERGY

1917 Clement Ave . Bldg 10a . Alameda . CA 94607
TEL 510.521.3800 | www.coolshadow.com

