

**ILLUMINATING ENGINEERING SOCIETY**  
MISSION SECTION

**Designing with Daylight**

May 20, 2014; 5:30 - 8:30 pm

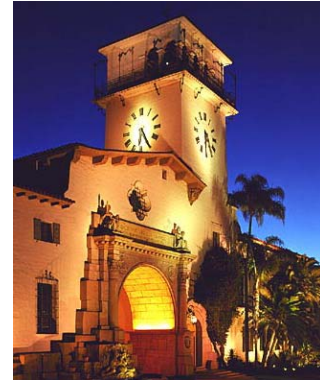
Marmalade Cafe  
La Cumbre Plaza; Santa Barbara, CA

**Program**

**Designing with Daylight**

Designing with daylight requires the interplay of form, space, and materials derived from the influence of site, climate, regional culture, and the distinct requirements of specific visual tasks. Daylight can make our buildings healthier and more energy efficient, however, designing effective, comfortable daylit buildings remains a challenge. This ninety-minute seminar will concisely cover design concepts and strategies toward daylighting success that designers can immediately employ in their practice. These concepts will be illustrated by case studies that represent fundamental activities of daylight design. Project objectives will be described and key components will be evaluated using state-of-the-art performance metrics. Discussion topics will include: Why daylight is important in buildings, programming and criteria development for daylighting design, and examples of design strategies and simulation techniques. Special attention will be given to the local climate.

1. Participants will learn key integration points for building design, dynamic daylight, electric lighting design, and operational controls. Case studies and discussion will illustrate challenges and opportunities for high-quality luminous environments while meeting energy efficiency goals.
2. Participants will be introduced to current and emerging metrics for daylight performance in buildings being developed by the USGBC and the IESNA.
3. Participants will learn implementation strategies for daylighting design via climate assessment, case studies, and post-occupancy analysis, and through a freely-available web tool for daylighting design decision-making.
4. Participants will be introduced to the current portfolio of resources offered by the IESNA for daylighting design and energy efficient lighting systems.



**IES Mission**

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San Luis Obispo Counties

**Section President**  
vacant

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805-684-0533

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805-965-4443

**Board Members**  
Ann Kale  
805-969-7660  
Rick Miller  
415-307-5106  
Norman Russell  
805-964-9375

**Upcoming Events**

**Speaker**

Christopher Meek, AIA, IES is Research Associate Professor of Architecture at the University of Washington and a registered

June 3-5 2014  
[Lightfair 2014](#)  
Las Vegas

architect. He is co-Director of the Integrated Design Lab (IDL) at the University's College of Built Environments. In this role, he consults with design teams in the Pacific Northwest and nationally with a focus on building energy performance, daylighting, visual comfort, electric lighting, and climate responsive design. Mr. Meek teaches graduate and undergraduate level courses on building design, daylighting, electric lighting, and indoor environmental quality at the UW Department of Architecture. His research has been funded by the Northwest Energy Efficiency Alliance, regional utilities, New Buildings Institute, and the National Science Foundation. Prior to joining the faculty at the University of Washington he practiced in architecture offices in Washington State, New Mexico, and New Orleans.

**Christopher Meek** | Assoc. Professor of Architecture  
University of Washington  
cmeek@uw.edu

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Mission Website -  
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## Information

**RSVP:** Rick Miller 415-307-5106  
[RickMiller@RNM-eng.com](mailto:RickMiller@RNM-eng.com)

Social: 5:30 - 6:00pm  
Program: 6:00 - 7:30pm FREE  
Dinner: 7:30 - 8:30pm \$35 cash or check to "IES Mission"



**AIA CREDIT**  
1.5 CEU

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