



October 2006

The Lantern

The Newsletter of the Mother Lode Section of IESNA



Vice Chancellor's Office at UC Davis



We move forward into October with a special program. We will have Keith Graeber and Michael Siminovich, designers of the Vice Chancellor's office at UC Davis, present to us an overview of the technologies used, lighting quality, daylight integration/controls, and the issues and challenges they faced with the project. As an added bonus, those who can attend at 4:15 pm will be treated to a tour of the Vice Chancellor's building prior to our discussion that evening (Due to security issues, we are only able to tour the Vice Chancellor's facility until 5:00 pm, so please be prompt or you may be locked out).



Date

Wednesday, October 18, 2006

MENU: Will be catered

TIME

| | |
|--------------|---------|
| Bonus Tour | 4:15 PM |
| Social | 5:00 PM |
| Dinner | 5:30 PM |
| Presentation | 6:00 PM |

LOCATIONS

Tour: (see map on page 6)
Office of Research
1850 Research Park Dr
Davis, CA 95618
(Tour begins promptly at 4:15 PM, so please be early!)

ADMISSION

| | |
|--|------|
| Full-time student | \$10 |
| Member w/Reservation | \$25 |
| Non-member w/ Reservation and member no-reservation | \$30 |
| Non-member no-reservation | \$35 |

Social, Dinner, and Presentation:
California Lighting Technology Center
1554 Drew Ave; Davis, CA
Link to CLTC website:

<http://cltc.ucdavis.edu/contact-cltc/directions-to-cltc.html>

Please make your reservations by 3:00 PM
Monday, October 16, Miguel Castellanos,
916-570-1576 mac@ecomeng.com

Please note: Because we are charged, we must bill for reservations made but not kept.

Please share this Newsletter in your office

IES Virtual Seminar

... November 8, 2006, "The Designer's Perspective on the Importance of Quality Lighting" with Andrea Hartranft IALD, David Ghatan LC and Derek Porter IALD.

Join us for a presentation by three designers on their perspectives and challenges.

Andrea and David received an IIDA 06 Award: Edwin F. Guth Memorial Award for Interior Lighting Design Special Citation for Woolly Mammoth Theater in Washington, DC.

Derek Porter of Derek Porter Studio received an IIDA 06 Award: Paul Waterbury Award for Outdoor Lighting Design Award of Excellence for Liberty Bridge in Greenville, SC.

Topics will include:

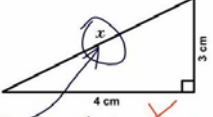
- Integration issues
- Design and budget challenges
- Technology employed
- Photographing the installation

For more information:

<http://iesna.org/edoppts/VirtualSeminar.cfm>

Some 'fun' math for all the engineers out there...

Find x.



$\frac{1}{n} \sin x = ?$

~~$\frac{1}{n} \sin x =$~~

$\sin x = 6$

Here it is X O

$\frac{\sqrt{2}}{2} = \sqrt{\quad}$

Lighting Education

The Mother Lode Section will be offering an "Introduction To Lighting" course.

When

Saturday November 18, 2006

9am – 3pm

Lunch will be included

Subject

ED-50: This course is designed as an introduction for people with little or no knowledge of lighting. The course covers basic lighting principles, terms and calculations. This course will provide a good background for people who want to explore the world of lighting or move to the next level by taking the ED-100 course.

Where

California Lighting Technology Center (CLTC); 1554 Drew Ave
Davis, CA 95618

Registration

The cost of the class is \$50. Please make checks payable to "IESNA". Include name, company, address, and a daytime phone number of each person registering and mail your checks (no cash or credit card numbers) to:

Miguel Castellanos

c/o Ecom Engineering

1796 Tribute Road, Suite 100

Sacramento, CA 95815

In addition, the Mother Lode section will be offering an ED-100 course this upcoming February. Stay tuned for more information!

Creative Lighting Solutions

Here is a classic example of when lighting attacks. Please note that the names and locations have been changed to protect....



Subject: Store employee entrance.

Problem: Security lighting not adequate.

Solution: Add security lighting source.

Results: See for yourself.

The intent was to add an element of security lighting to the area. A motion sensor luminaire was added to pick up any movement around the employees entrance and subsequently the fringe of the loading dock.

The post operative result is both aesthetically and functionally a major failure. The wall light is partially obscured. The local hardware security fixture no longer works properly. One

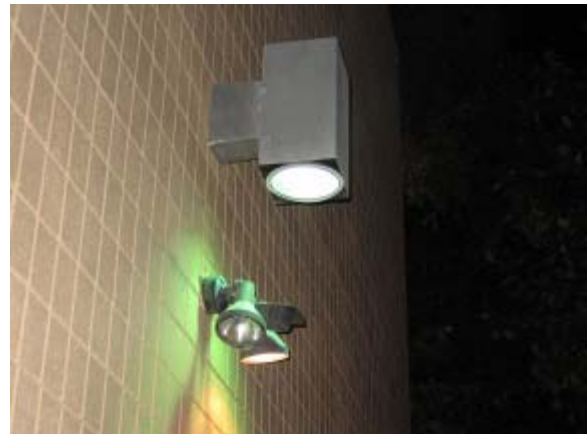
lamp has been burned out for several months.

Result. Dual Level Lighting!

The two "stop loss prevention" team members who asked me for I.D., explained the idea. Unfortunately they were patrolling the area in almost complete darkness using flashlights.

I think the original intent was to aim the floods outward to scare the starch out of any would be prowlers. But they lights were eventually aimed downward at the door, most likely after receiving complaints about glare by neighboring businesses.

If you have any pictures of "Creative" Lighting solutions please send them to dcoleman@cal-lighting.com. Be assured I will leave the guilty parties unnamed.



Doug Coleman

IIDA Chair 2006-2007

929-5111 x 3570

dcoleman@cal-lighting.com

Juan Jose's Tidbits...

Sacramento has been known as the City of the Jazz Jubilee. Could it be that now is also the City of Blues? Blue lights that is.

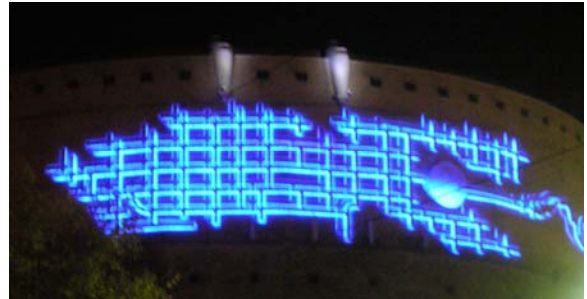


If you drive around downtown Sacramento one of these evenings you will notice there are a lot of buildings that have "the blues" starting with the Sacramento Convention Center "K" and "J" street entrances with their blue light sticks that clearly indicate the entrances and add accent to the massive building.



Then in 1999 with the construction of the Esquire Plaza, 13th and K Streets Downtown Plaza which comprises of the Esquire Tower, Grill and MAX Theater. The trend continued. This 22 story building introduced a blue accent of light at each corner of its south east facade through its entire height. This feature can be seen as a blue beacon as you approach

Sacramento either by air or Freeways. It can be seen as far as Elk Grove as you approach downtown Sacramento from the south on I-5. The blue light effect consists of cold cathode lights.



A later addition was the public artwork by artist Michael Bishop, professor of art at CSUS, Chico on the Alhambra Reservoir in East Sacramento. "The Alhambra Project" consists of facade aluminum sculpture, cast vessels and blue LED lights which represent the flow of water from the wetlands to the City of Sacramento, which now adorns the otherwise dull and unattractive structure.

The latest example is the "Bistro 33 Midtown" on the corner of 16th and "K" streets. This is the core of the new restaurant renaissance in downtown Sacramento. Its blue LED panels (however can change color) with blue filtered sconces in the exterior provide a blue ambiance to the space.



The next time you are around town take a look at these and other buildings that "got the blues" in Sacramento.

SMUD Energy & Technology Center Classes

LEED & Lighting Controls: A "Green Opportunity"

October 12, 2006

8:30 a.m. – 11:00 a.m. (No Charge)

Charles Knuffke will teach lighting control solutions for complying with LEED prerequisites and for achieving higher levels of LEED certification. You will learn where lighting controls fit within the context of LEED, how controls are used for meeting the LEED energy code prerequisites, and how they can be used for achieving higher levels of certification through providing personal lighting control.

Best Practice Report

November 9, 2006

8:30 – Noon (No Charge)

Stan Walerczyk will provide a roadmap for designers to optimize and standardize retrofits, remodels and new construction. This seminar balances architectural appearance, lighting quality, control flexibility, ease of use, initial cost, energy efficiency, rebates, parts maintenance costs, labor maintenance costs and sustainability.

September Meeting Recap.

During the September dinner meeting much happened and we missed you if you could not attend! We not only listened to an

informative LED presentation by Fuzzy from LED Effects, but witnessed many awards presented for a variety of reasons. 2005-2006 officers and board members were presented plaques for their service last year; membership pins for 5-year membership milestones were awarded; Wes Hiratsuka was honored with a plaque and dinner for his service and dedication to IESNA; and a special Section Service Award was given to Gary Flamm for his continued participation in IESNA as PR/Awards Chair, but more importantly for his roll as editor of our very own Lantern. He was greatly humbled and accepted the award with grace. Gary – you sure earned it!!! Thank you for making the Lantern a great work of art.

Connie Buchan, PE, LC
Past President
(2005-2006)
916-732-6404
connie.buchan@smud.org

Just for fun

An overzealous traffic cop stopped a country preacher making his rounds on his bicycle. After checking the bike thoroughly and finding nothing, he had to let the cleric go.

“You will never arrest me,” declared the preacher, “because God is with me wherever I go.”

“Well, then,” said the cop, “I’m ticketing you for carrying a passenger on a single-seat vehicle.”

From The Good Sports Joke Book by Paul Miller

Map for the October Meeting



I do not believe that sheer suffering teaches. If suffering alone taught, all the world would be wise, since everyone suffers. To suffering must be added mourning, understanding, patience, love, openness and the willingness to remain vulnerable.

Anne Morrow Lindbergh, 1906-2001
American Pilot, Poet, and Writer

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|--|-------------------|
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| Lighting By Design | Gale Spencer |
| Lighting Systems | Keith Roberts |
| M. Neils Engineering, Inc. | Mike Neils |
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SOCIETY PRESIDENT (2006 – 2007)

Kevin Flynn
Kiku Obata & Company
6161 Delmar Blvd, Suite 200
St. Louis, MO 63112-1203
E-Mail: kflynn@kikuobata.com
Tel: 314-361-3110

**REGIONAL VICE PRESIDENT (2006-2009)
SOUTH PACIFIC COAST**

Thomas Grunwald
Holophane
16039 N 41st Place
Phoenix, AZ 85032
E-mail: tgrunwald@holophane.com
Telephone: 602-971-0461

**MOTHER LODE SECTION
2006-2007**

OFFICERS

PRESIDENT

John Hickman, LC; Hubbell Lighting, Inc.
916-412-6995 jhickman@hubbell-ltg.com

VICE PRESIDENT

Miguel Castellanos, ECOM Engineering
916-641-5600 mac@ecomeng.com

SECRETARY

Melissa Blevins, Ca. Lighting Technology Center
530-757-3452 mablevins@ucdavis.edu

TREASURER

Meggan Kessler, Holophane Lighting
916-670-6677 Meggan.Kessler@Holophane.com

BOARD OF MANAGERS

Doug Coleman, CAL Lighting
916-929-5111 dcoleman@cal-lighting.com

Owen Howlett, HMG
916-962-7001 howlett@h-m-g.com

Steve Sheckells, SMUD
916-732-6614 sshecke@smud.org

Juan Jose Villatoro, M. Neils Engineering Inc
916-923-4400 jjvillatoro@mneilsengineering.com

PAST PRESIDENT

Connie Buchan, SMUD
916-732-6404 connie.buchan@smud.org

COMMITTEE CHAIRS

IIDA – Doug Coleman, CAL Lighting

PROGRAMS – Miguel Castellanos, ECOM Engineering

EDUCATION – Miguel Castellanos, ECOM Engineering, and Owen Howlett, HMG

MEMBERSHIP, HISTORIAN

Gale Spencer, Lighting By Design, 916-649-2220
litegal@surewest.net

PR/AWARDS, LANTERN - Gary Flamm, CEC
916-654-2817 gflamm@energy.state.ca.us

WEBMASTER - Abhijeet Pande, HMG
<http://www.iesmotherlode.org>

