
Lighting, Architecture and Human Health Workshop

Light has multiple effects on human physiology, psychology, metabolism, behavior and appropriate exposure to light and dark is intrinsically linked to good health. Recently, a new photoreceptor system has been discovered in the human retina (and other mammals) that mediates a wide range of effects of light in the human body and is most sensitive to short-wavelength (blue) light. Lighting design has focused on the visual effects of light but with this recent discovery, an opportunity now exists to begin incorporating our new scientific knowledge of the 'non-visual' effects of light into architectural design in order to optimize human health in the built environment. Proper attention to these non-visual effects may allow us to improve alertness, performance, sleep, metabolic and hormonal rhythms and mood.

This workshop will focus on how lighting design may start to incorporate the newly discovered 'non-visual' photoreceptor system for health and well-being. It is aimed at the lighting design and architectural community to present the basic concepts and potential applications of non-visual photoreception.

Topics Include:

- Introduction to melanopsin and the newly discovered photoreceptor system
- Review of non-visual effects of lights in humans
- Incorporating non-visual effects of light into lighting design tools
- Potential applications of non-visual light affects in real-world environments
- Daylighting and schools
- Use of new LED technology to enhance the non-visual effects of light

Speakers Include:

- Marilyne Andersen, MIT
- Craig Bernecker, The Lighting Education Institute
- George Brainard, Thomas Jefferson University
- John Eberhard, Academy of Neuroscience for Architecture
- Samer Hattar, Johns Hopkins University
- Lisa Heschong, Heschong Mahone Group, Inc
- Steve Lockley, Harvard Medical School
- Fred Maxik, Lighting Science Group Corporation
- Dave Sliney, ASP President

Attend this one day course by noted experts
Registration Information for Architect Workshop:

Online registration now open

Register online at:

www.photobiology.org

Once online, select the ASP meetings link on the left

Registration Costs.....\$100.00

Space is limited

Lighting, Architecture and Human Health Workshop

American Society for Photobiology

Location:

Thomas Jefferson University
Hamilton Bldg., Room 505
11th & Locust Streets
Philadelphia, PA

Date:

July 9-10, 2009

Time:

9:00AM—5:00PM

Registration:

Day One: \$100.00

Day Two: \$50.00 and \$20.00 for students and Postdocs

Online at: http://www.pol-us.net/ASP_Home/asp_meet.html

On site available—seating is limited and on site can not be guaranteed

For further information or assistance:

Email: lhardwick@allenpress.com

Phone: 785-843-1234 x 210

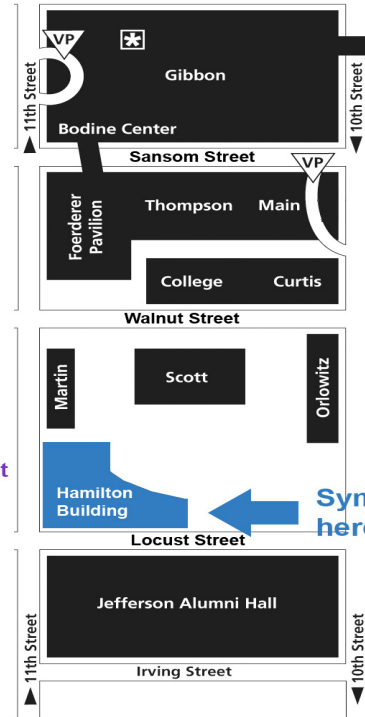
Hotel Information:

Official Hotel:

Doubletree Hotel
Broad Street at Locust Street
Philadelphia, PA 19107-5686
215-893-1600

Call and ask for the American Society for Photobiology rate of—\$119.00

Includes free breakfast at the Academy Café and free internet access



Other local hotels:

Six preferred hotels that TJU uses located nearby. Mention that you are here on a University visit and you should receive a reduced rate.

Holiday Inn Express, 1305 Walnut Street, Reservations: 215-735-9300 or 1-800-5MIDTOWN.

Hilton Garden Inn, 1100 Arch Street, Reservations: 1-800-HILTONS.

Marriott Downtown Courtyard, 21 North Juniper Street, Reservations: 215-625-6139.

Sheraton Society Hill, Second and Walnut Streets, Reservations: 215-238-6645.

Loews Hotel, 1200 Market Street, Reservations: 215-627-1200.

