

CALL FOR SPEAKERS 2010

DEADLINE FOR SUBMITTAL: OCTOBER 2, 2009

SEMINAR TRACKS

90 Minutes

Wednesday, May 12 - Friday, May 14, 2010

- LEVEL:** Please specify the level of program (Basic, Intermediate, Advanced).
- AUDIENCE:** Identify your target audience, such as lighting designers, architects, electrical engineers, electrical contractors, end users, sales reps, manufacturers, etc.
- DELIVERY:** Select number of presenter(s) or panel discussion.

LIGHTING DESIGN **LD**

This track comprises a wide range of practical, theoretical and cutting-edge subjects focused on lighting design. The topics will showcase the different lighting design theories and approaches: design trends, practical application of lighting (case studies), and the use of light sources and equipment. The subjects may be, but are not limited to, those listed below.

- Lighting trends in Applications (hospitality, retail, exterior, etc)
- Getting More From Less
- Custom Lighting Fixture Design
- Incorporating LED Light Sources
- From Design Vision To Practical Implementation
- Lighting Design in the Dark Sky Environment - Has It Gone Too Far?
- Bringing Theatrical, Architectural and Engineering Approaches to Lighting Design
- Lighting Design Process Theories - Schools of Thought
- Using the Color of Light for Visual Focus
- Budgeting lighting \$\$ in the LED and/or daylighting age
- Lighting decisions for architects and developers
- Post occupancy evaluation (physical and human factors)

TECHNOLOGIES **TEC**

This track focuses on the latest advances in equipment technologies (source, ballast, luminaire, controls) that optimize system performance. Presentations should reference commercially available product and demonstrate applications that address current lighting design trends, sustainability, source efficacy, luminaire design and efficiency, and energy management. For technologies that lack or have limited application successes, validation data is requested to support the technology expectations and claims in performance improvements. Suggested topics include:

- LEDs: Fact vs. Fiction (LED Luminaire/System Performance Claims vs. Actual Performance)
- Standards and Ratings for LEDs
- Wired/Wireless Lighting Control Protocols - Pros and Cons
- Improvements in Luminaire Design and Materials
- Tradeoffs: Cost/Benefits of Different Light Sources
- OLEDs - Ready for Primetime?
- Incandescent Lamps - What Next?
- Traditional sources that outperform LED's
- Lamp & Ballast Update - Preferred format: Single presenter, gather all relevant data and present it in a concise, balanced format. Comparisons should be between new technologies and current technologies.
- Product safety testing and labeling
- New technologies for the installing contractor
- The A,B,C's of sensor technologies
- LM-79, LM-80, Caliper and the Lighting Facts Label

SUSTAINABILITY **SUS**

This track addresses how the lighting community is currently contributing to the efforts in the construction industry toward more environmentally responsible projects. Speakers will be asked to discuss cutting-edge ideas in design, new developments in the industry, the use and integration of alternative lighting systems, and improvements in manufacturing processes, techniques, and materials to not only meet the new energy code requirements, but also address some of the broader issues of environmental stewardship. Supporting case studies are encouraged. Suggested topics include:

- Electric Lighting Integration With Daylighting
- Lighting Design and Manufacturing with a Zero-Carbon Footprint
- Mandatory and voluntary energy initiatives that impact lighting design (EPAct, LEED, ASHRAE, etc)
- Manufacturing and Sustainability - Material Selection, Waste and Component Recycling, Packaging
- Sustainability vs. Lighting Quality - Does it Have to be a Trade-Off?
- No Brainers - Things Every Design Should Incorporate
- The changing energy landscape
- Post occupancy evaluation - verification of performance

PROFESSIONAL DEVELOPMENT **PD**

This track focuses on business development strategies as well as professional skills. Topics can include subjects related to the intricacies of running a business and issues impacting the profession. The target audience for these topics can include anyone who is involved in the day-to-day operation of a business, as well as individuals interested in increasing or balancing their development as professionals in their fields. Suggested topics include:

- Effectively Marketing Your Firm's Services
- Preserving Your Lighting Designs and Specification
- Selling value of lighting to clients, developers and owners.
- Managing Projects Overseas (Maintaining Quality and Performance, Protecting Intellectual Property, Evaluating Substitutions, Dealing with Clients, Getting Paid)
- International Codes and Standards Affecting Lighting Design and Implementation
- Hiring, training and retaining the best employees
- HR Issues and Requirements
- Improving your presentation skills and presenting yourself professionally
- Professional liability issues (1000 ways to get sued)
- Commissioning: A new career in lighting
- Branding - What is it and How does it work
- The (Near) Texas Lighting Massacre: Almost banned in Texas

THE HUMAN BENEFITS OF GOOD LIGHTING **HB**

This track will explore the latest research into lighting's impact on productivity, as well as physiological and psychological health and well-being. The presentation should depict the application of this research to actual lighting installations. Topics touching such diverse subject matter as Seasonal Affective Disorder (SAD), the aging eye, employee health and satisfaction in the work environment, and light therapy techniques may be addressed. Possible seminars include:

- Links Between Lighting Conditions and Human Afflictions
- Light, Aging and Health
- Stimulating the Mind - The Impact of Lighting on Learning
- The Human Benefits of Daylighting
- Evidence-Based Design in Health Care
- The Effects of Light on the Circadian System
- Behavioral Responses to Light and Color

- Lighting and productivity
- Physiological Effects of Lighting
- Psychological Effects of lighting
- Post Occupancy Evaluation: Human Factors

INSPIRATION **INS**

This track will explore the inexhaustible and sometimes surprising sources for the "big idea" in lighting. Nature's organic forms and dappled light, the unique quality of light of different regions and latitudes, the work of light artists, photographers and even poets have been the genesis of great lighting designs and lighting products. What has been the inspiration behind your work? What inspires you to continue your professional career? How has this inspiration been translated into your projects? Possible seminars include:

- Light Art Installations
- Super Projections - Large Scale Environmental Lighting Installations
- Guerilla Lighting Adventures
- Light - Discovery, Spirit & Consequence; Inspiration From The Arts
- Natural Landscapes of Light
- Light Festivals and Civic Lighting Programs
- Poetry in Light
- Technologically Driven Magic
- The Best of the Best: Award-Winning Lighting Projects
- How to Light Water: Technical and Las Vegas Tour (Behind the Scenes)

NEW TRACK!

INTEGRATED BUILDING DESIGN & OPTIMIZATION **IBD**

This track encompasses integrated building design processes, as well as component technologies that work together as a system to improve building performance. Many owners today are demanding high-performance buildings which address issues such as sustainability, quality of working / living environment, maintenance, life cycle cost and other interrelated considerations. A holistic design process that considers the building as an integrated system is important to achieving these goals. Integrated Project Delivery which provides for an earlier and closer interface of all design consultants and the building contractor, combined with the digital interoperability and the visualization power of Building Information Modeling, is becoming more commonplace for complex projects. Examples might include:

- Interrelated active and/or passive technologies, such as daylighting, natural ventilation and photovoltaics forming an integrated system
- Energy simulation tools that include lighting, building orientation, and daylighting considerations
- Task/ambient lighting and control strategies
- Integrated building design techniques (Controls, Daylighting)
- Commissioning
- Integrated Project Delivery
- New Technologies for Integrating Lighting Controls with Energy Management Systems
- Hybrid lighting systems integrating multiple light sources
- Building Information Modeling (software and workflow)
- Integrated specification writing across disciplines
- Demand Response Strategies and Utility Influences on design
- Daylighting and electric lighting impact on other building systems
- Integrated Building design process success stories