

# AIA CES SESSIONS

Mazzetti offers continuing education seminars at your office. All sessions are one hour and provide one learning unit credit.

## CONTACT US

### HEALTHCARE LIGHTING BASICS

In this presentation you'll understand lighting concepts and how to think "outside of the box" when it comes to Lighting Design for the most common spaces in our healthcare industry. From patient rooms to corridors we can start to move away from the 2x2 mentality and innovate around movements like tunable circadian rhythm lighting design and all the in-betweens.

### LIGHTING DESIGN FOR BEHAVIORAL HEALTH ENVIRONMENTS

Provides insight on lighting for behavioral health environments, research, and design with an overview on requirements and code.

### LIGHTING FOR ELDERS\*

Teaches you how age affects lighting design considerations such as glare, contrast and the light needed for tasks, safety, and optimum health.

### NICU LIGHTING\*

Supporting Health, Comfort and Well-being for Newborns, Family and Staff Through Lighting Design-In Partnership with Institute for Patient Centered Design Gives an overview of lighting design options in response to the body's biological and psychological responses to light.

### TUNABLE LIGHTING IN HEALTHCARE APPLICATIONS\*

Identifies how to bring beneficial results in architectural applications for hospitals, behavioral health, assisted living, and memory care.

### SUSTAINABLE LIGHTING DESIGN FOR HEALTHIER SPACES

Architects are faced with the fundamental challenge of form versus function on a daily basis. Intentional lighting design can balance and inform this challenge. Lighting solutions that honor human perception, consider energy efficiency, and create state-of-the-art aesthetics can extend and enrich the design process.

In the industry, we have learned that critical factors like building form, surface reflectances, daylighting and lighting controls all play a major role in the visual quality of the built environment. With this challenge, comes healthy opportunity: there is increasing evidence of the positive impacts daylight and electric lighting systems have on human health.

This talk will outline the areas that should be addressed to achieve an efficient, yet high quality visual environment. The presentation will conclude with suggestions on what to watch for when evaluating LED technologies and how we can promote healthy environments through mindful lighting choices.

### DON'T LET YOUR SMART BUILDING FORGET THE PATIENT

The "smart" building, one that uses a building management system to monitor and adjust HVAC and other systems to make the building more energy-efficient, has become a well-recognized and expected part of new healthcare construction. But can the smart building become even smarter? Can it be integrated with other technologically driven systems to be not just a smart building but a clinically smart building? In this session, presenters will explore how the Internet of Things and clinical systems can work together to positively impact clinical operations and patient experiences.

### DESIGNING FOR SUSTAINABLE BEHAVIOR

Humans are predictably irrational. We naturally adopt mental heuristics (rules of thumb) to speed analysis and decision making. Understanding these mental pathways has already led to revolutions in fields like finance and policy. Let's use behavior science to revolutionize sustainability in the built environment.

This interactive session explores insights from neuroscience and behavioral science to better understand human decision-making and its effect on human well-being. We analyze how to leverage these insights to influence healthy behaviors and sustainable resource use in the design of the built environment.

### OUR PRESENTERS

Brennan Schumacher,  
LEED AP  
*Associate Principal, Lighting  
Design Studio Leader*

Jeff Looney  
*Principal, Technology  
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Lauren Schwade,  
LC, EDAC, IES  
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