



**Illuminating Our Experiences with
Human Centric Lighting**

AIA Program Number: IEH001

Credits: 1 LU/HSW

**Fabrics for Performance
Shading: A New Methodology
for Daylighting Design**

AIA Program Number: FPS15

Credits: 1 LU/HSW

USGBC Course Number: 0920003633

Credits: 1 GBCI CE Hours

Human centric lighting is an oft-discussed design term; yet, there is confusion about what it is and how to use new (and existing) technologies to achieve it. This course helps professionals understand 1) how to define human centric lighting, 2) what benefits it can provide to people, buildings, and businesses, and 3) how to practically apply it when designing projects. It also addresses the intersection between electric light and natural daylight, and how achieving a human centric design requires an integrated approach to those two disciplines. This course will be especially useful to interior architects, interior designers, and lighting designers.

This course is targeted towards specifiers and members of the design community to help better educate them on the effects that shade fabrics have on building performance. Today, fabrics are typically selected based on aesthetics and a designer's past experience, which results in compromised energy savings and occupant comfort. Research is establishing that fabric properties, particularly openness factor, visible transmittance, and solar reflectance, play a huge role in glare reduction, daylight autonomy, and view preservation. The key to maximizing energy savings and occupant comfort is finding the right balance between each project's parameters and priorities. With the research, metrics, and data, this presentation will drive architects and designers to select fabric as a key component of the building performance system, as opposed to a furnishing. This new methodology will give the architectural community the ability to optimize the design of their shading system based on performance (glare, daylight, and view) and aesthetics.

For scheduling, please contact
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