



Technology  
Chemicals  
Machinery

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## AIA Continuing Education Opportunity

### Program title:

## Optimizing performance in commercial fenestration

**Length:** 1 hour

**Learning Units:** 1 AIA/CES Learning Unit (HSW/SD)

**Course description:** Participants will learn about two technologies - structural thermal barriers for aluminum window framing, and warm-edge spacer technology for insulating glass.

- Discuss the various comfort and performance-related topics in fenestration systems including, overall U-factor, condensation resistance factor (CRF), sound transmission OITC (Outdoor Indoor Transmission Class)
- Compare two methods for optimizing the performance of aluminum fenestration components through the application of thermal barriers in the framing
- Optimize the performance of fenestration components through the application of thermal barriers in the air space material, also known as warm-edge technology for insulating glass
- Observe a range of measured performance outcomes, energy-savings, LEED® and Cradle to Cradle<sup>sm</sup> contribution using case study data of built commercial projects in the U.S. and globally utilizing one or both types of thermal barriers in the frame and insulating glass

### Presenter contact information:

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ISO 9001:2000  
Certification

