



NFRC 2022 Annual Fall Meeting

October 24-26, 2022

Emerging Technology Sessions

Note: All times are Pacific

Monday, October 24, 2022

12:00 pm – 1:30 pm	Emerging Technology Lunch and Learn* RSVP Required University students present their research related to fenestration products, including: <ul style="list-style-type: none"> • Building Window's Influence on Indoor Human Health • Heat Loss Experiments and Estimations by Window Condensations • Enhanced Solar Heat Gain via Nanoscale Semi-Directional Photothermal Transport • Impacts of Solar-Reflective Façades on Clustered Heat Island Effect
1:30 pm – 1:35 pm	Welcoming Remarks NFRC CEO, Deb Callahan
1:35 pm – 2:00 pm	Implications for NFRC NFRC's Director of Code Development, Technology, and Innovation, Michael Thoman, will discuss the ways that NFRC can prepare for new technologies. We have the infrastructure, but how can we steer technologies along the correct path.
2:00 pm – 3:15 pm	Emerging Technology Presentations Hear from companies in the process of developing new technologies: <ul style="list-style-type: none"> • Glass Dyanamics – commercializing dynamic glass for windows either individually or as a system, offering a visually appealing and controllable appearance. • Ubiquitous Energy – their patented technology, UE Power™, is the first invisible electricity-generating alternative to traditional windows • AeroShield – developing super-insulating, transparent inserts for windows
3:15 pm – 4:15 pm	National Laboratory Presentations Learn about the research currently being conducted at each laboratory. <ul style="list-style-type: none"> • Pacific Northwest National Laboratory (PNNL) • Oak Ridge National Laboratory (ORNL) • Lawrence Berkeley National Laboratory (LBNL) • National Renewable Energy Laboratory (NREL)
4:15 pm – 5:00 pm	Panel Discussion The importance and challenges in implementing emerging technologies in the fenestration industry. Panelists include: <ul style="list-style-type: none"> • Helen Sanders, Technoform • Mahabir Bhandari, ORNL • Kyle Sword, Pilkington North America • Rob Tenent, NREL
5:00 pm	Welcome Reception