

BUILDING AND CONSTRUCTION TECHNOLOGY

Fall 2019 BCT Lecture Series



Monday, September 16 | 4:00-5:15 | 170 Design Building
Integration of Solar in the Residential Energy Sector
Gregory Garrison
President Northeast Solar

Solar is an entry level technology that can be integrated with several emerging technologies including storage, energy management, the internet of things and transportation. The discussion will also focus on the obstacles in making the solar energy fully integrated into the residential marketplace. These include price, demographics, urban planning and the current grid construct. The discussion will conclude with the a discussion of how to remove barriers to broader adoption and changing the utility business model.

Monday, October 21 | 4:00-5:15 | 162 Design Building
Installing Fenestration in Exterior Insulated Walls
Jaron Vos
Manager: Architectural Solutions Team; Pella Corporation

Fenestration openings are a critical component of the building envelope, especially in today's sustainable, energy-efficient buildings. Join us to discuss the impact of exterior insulation on fenestration installation design.

Monday, November 18 | 4:00-5:15 | 170 Design Building
Building Better: Hopes for the Panelized Construction Industry
Alison Moynihan
Project Manager & Energy Consultant; Foard Panel

Everyone wants to invent an easier, cheaper, higher quality way to build; and panelized or modularized construction looks like it has the potential to provide that dream. Unfortunately, like most inventions, it is not the idea that is powerful; it is the details (and the people) that actually make it work. Panelized or modularized construction comes in hundreds of different forms and offers multiple potential benefits, but it also has its difficulties. This presentation will clarify what the challenges are and what some of the current systems offer.

Monday, December 2 | 4:00-5:15 | 170 Design Building
The Continuing Rise of Women in Construction
Carolina Cudemus-Jones
Director: Design and Construction Management; UMass Amherst

The percentage of women in construction hovers between 9 to 10% across the industry, in the field only 3%. The industry is changing – the industry now recognizes that women bring an additional layer of diversity, experience and management style that are innovating and energizing an industry. Construction in general is experiencing shortages in skilled knowledge across the disciplines and women have become the future of the industry at all levels.

Lectures are free and open to the public. AIA & USGBCI CES credits are available.

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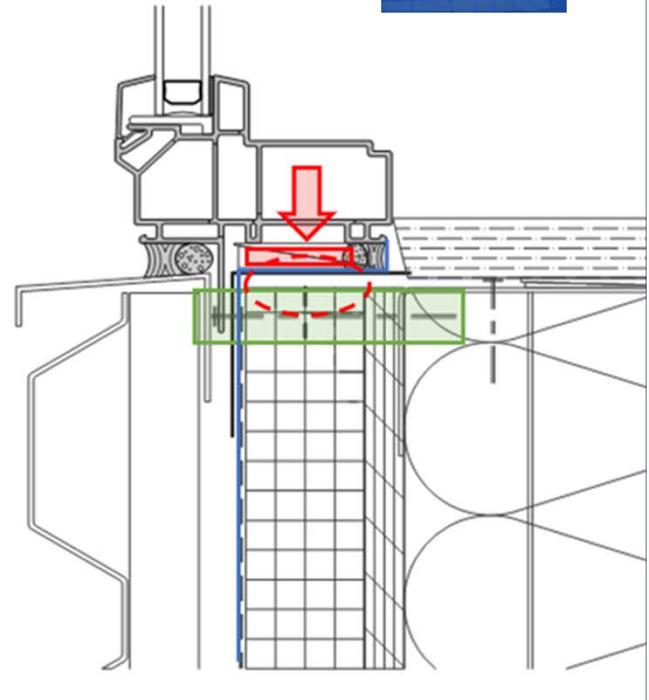
Monday, September 16 | 4:00-5:15 | 170 Design Building
Integration of Solar in the Residential Energy Sector
Gregory Garrison
President Northeast Solar

Mr. Garrison is a successful entrepreneur and reformed capitalist. Most recently, after years of high consumption and recognizing its direct impact on our environment, he has committed himself to policy discussions designed to advance clean energy initiatives. He is the owner of Northeast Solar Design in Hatfield MA and serves on a variety of boards whose objectives are to stimulate job growth and the emerging green economy.

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Installing Fenestration in Exterior Insulated Walls

Jaron Vos

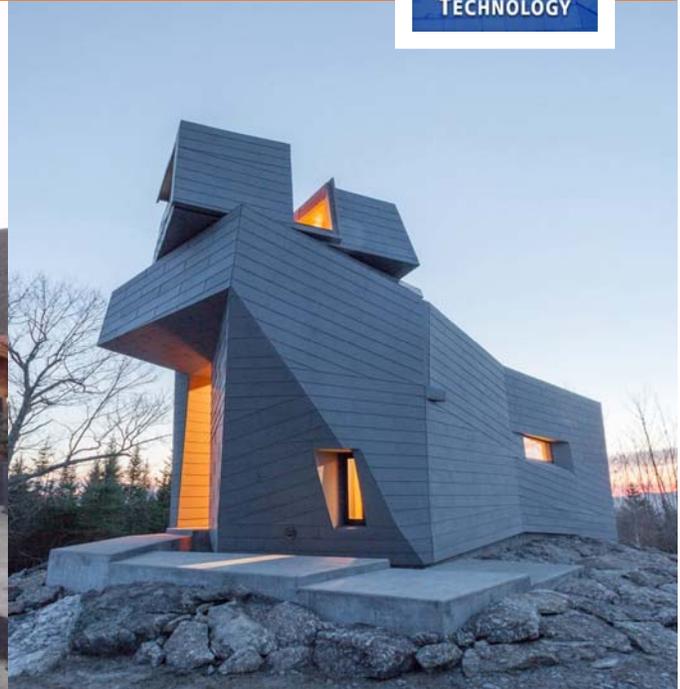
Manager: Architectural Solutions Team; Pella Corporation

Mr. Vos is the manager of the Architectural Solutions team at Pella Corporation, one of the nation's top manufacturers of windows and doors. Jaron leverages his education in construction engineering and 16 years of experience as he leads Pella's team of Architects, engineers and technicians responsible for solving fenestration application problems for Pella's customers.

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Monday, November 18 | 4:00-5:15 | 170 Design Building

Building Better: Hopes for the Panelized Construction Industry

Alison Moynihan

Ms. Moynihan is Project Manager, Energy Consultant and Assistant Structural Designer for Foard Panel. Ms. Moynihan is a certified energy geek (CPHC) with a specialty in Structural Insulated Panels and a passion for finding practical and sustainable solutions for building design problems.

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The Continuing Rise of Women in Construction

Carolina Cudemus-Jones

The percentage of women in construction hovers between 9 to 10% across the industry, in the field only 3%. The industry is changing – not only the number of women in the field, design, engineering and construction management is increasing, the industry now recognizes that women bring an additional layer of diversity, experience and management style that have innovated and energized an industry known for its traditional male dominance. Construction in general is experiencing shortages in skilled knowledge across the disciplines and women have become now the future of the industry at all levels.

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