



PRESENTED BY 

2022 Construction Technology Expo

Date & Time: Wednesday, November 2, 2022; 9am – 5pm

Location: Live! Casino & Hotel Philadelphia

Registration Fees

In-Person Speaker Series:

GBCA Member: \$100

GBCA Member 10-Pack \$900

Non-Member: \$200

All Access Pass (includes Virtual Education Series, Speaker Series and Networking Event):

GBCA Member: \$250

Non-Member: \$500

REGISTER

In-Person Speaker Series Schedule (subject to change)

9:00am – 10:00am Registration

10:00am – 11:00am Cool! is a Terrible Business Plan – Construction Tech Should Be Productive

Lean, BIM, VDC, 4D, UAV, AR, VR, SAM, RTS, GPS, GIS, IFC, etc. They are all “COOL” and some companies are throwing money at them, but my company doesn't have money to throw around. This session covers tips on using Construction tech to better a bottom line. How to get started from scratch and how to make use the shoulders of giants.



Benjamin Crosby
Director of VDC/BIM, W.G. Yates Construction

Benjamin Crosby, CM-BIM, CM-Lean, CCM, LEED AP BD+C, is passionate about building and education. As a builder educator, he motivates people to understand Virtual Design and Construction and how it will improve their projects and careers. He has a CM Degree with Math and Physics Minor. He’s a member of the BIMForum BxP Committee and LOD Core Group, AGC IT Forum Steering Committee, CMAA Professional Development Committee, and teaches in the AGC BIM and Lean Programs.



11:15am – 12:15pm

IT Trends in Construction: How to Plan and Execute for Positive and Significant Impact

This session will cover most of the primary trends occurring in Construction and in Tech, bringing them together into a cohesive vision and framework. This will allow attendees a better sense of where they stand and, more importantly, how to move their organization forward. Specifically, we will cover modular and prefabrication, project management solutions, ERP, PPP and IPD, labor shortages, robotics, AR/VR and a few other current trends. This is not intended to be a product showcase but a better look at the overall tech landscape in construction. Time will be spent on deployment strategies and ways to improve integration and adoption. Cyber-security and IT staffing will be discussed as well as what is impacting everyone.



Christian Burger
President of Burger Consulting Group

Christian Burger is the President of Burger Consulting Group, an IT consulting firm based in Chicago. Christian has worked within the construction industry for nearly 25 years, originally with FMI before starting his own firm in 1997. Much of his work at the firm is focusing on IT strategy and leadership for BCG clients. Christian is also involved in best practices process work during the implementation phase. Christian publishes regularly for industry journals and is a frequent speaker at industry conferences and trade shows. He also teaches a technology course at Northwestern University's master's in project management program.

12:15pm – 12:45pm

Lunch Buffet

12:45pm – 1:45pm

Penn State's Digital Twin: A Future Vision

In this session, we will look at how Penn State University is moving from BIM to digital twins. Here are the main points that will be discussed:

- How is BIM implemented on Penn State capital projects?
- What is an operational digital twin and how does it benefit the owners?
- What needs to be done to create an operational digital twin?
- What are the challenges in the way of creating and leveraging digital twins?



Zahra Ghorbani
VDC/BIM Representative, Penn State University

Zahra Ghorbani is the BIM manager at Penn State. She monitors the execution of BIM on capital projects and works on improving the BIM standards and requirements for Penn State BIM program. She is also a Ph.D. candidate at the department of Architectural Engineering and does research on leveraging real-time data building automation system (BAS) and record BIM to develop operational digital twins for operations and maintenance. She received a B.E. in architectural engineering from Shahid Beheshti University in Tehran, Iran, and completed her M.S. in construction management at Texas A&M University.



PRESENTED BY  **MICROSOL
RESOURCES**

2:00pm – 3:00pm Hybrid Panelization: A Modified Prefabrication Approach

Off-site panelized construction is a growing and efficient method of production in commercial construction. Typically, panels are fabricated completely off-site and transported and installed on-site as a full wall system. However, due to potential irregularities in building materials, challenges with ensuring continuity of control functions between panels can arise, specifically related to air and water control. The Live! Casino & Hotel Philadelphia project team opted for a hybrid approach combining prefabrication of the wall panels, allowing for appropriate sealing between panels on site prior to installation of the exterior insulation and cladding.

Panelists:

- **Jeff Dorneman, Director of Masonry Department, EDA Contractors, Inc.**
- **Mike Watkins, Project Manager, Gilbane Building Company**
- **Nick Brown, Associate/Project Manager, BLT Architects**
- **Cory Robbins, Business Development EDA Contractors, Inc. (*Moderator*)**

3:00pm – 5:00pm Briq Happy Hour

Join us for drinks and hors d'oeuvres in the Exhibition area! Sponsored by Briq, this will be a great opportunity to network as well as get another look at our exhibitors. Check out the GBCA website for the latest list of exhibitors.