



2021 Construction Technology Week: In-Person Speaker Series

Date & Time: Wednesday, October 6, 2021, 9am – 5pm
Location: Penn State at the Navy Yard & Victory Beer Hall at Xfinity Live!

Registration Fees

In-Person Speaker Series Only:

GBCA Member: \$50
Non-Member: \$100

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

GBCA Member: \$225
Non-Member: \$475

REGISTER

In-Person Speaker Series Schedule (subject to change)

9:00am – 10:00am	Registration
10:00am – 11:00am	How Construction Managers Use AI-Driven Digital Twins To Keep Projects On Time & On Budget

The ability to create digital twins used to be limited to highly technical AEC team members, but now they've gone mainstream.

This presentation will discuss how non-technical AEC team members can create and access digital twins anytime, anywhere. Amir Hamaoui, Director of Customer Operations at Reconstruct will present how images and videos from 360 cameras, phones and drones are used with computer vision algorithms to automatically generate 3D reality models of indoor and outdoor environments over the project timeline. He will demonstrate how reality models are integrated with BIM and project schedules in the form of digital twins such that AI algorithms can track progress and productivity and identify risk for potential delays. And lastly, he will share examples from real construction projects on how construction managers and stakeholders use digital twins to address potential delays and issues before they surface on project sites.



Amir Hamaoui
Director of Customer Operations, Reconstruct

Amir Hamaoui is the Director of Customer Operations at Reconstruct, a Software-as-a-Service company that integrates reality modeling, building information modeling (BIM) and project scheduling to visually track progress, analyze productivity, and proactively detect potential delays using predictive analytics; in turn empowering construction companies to keep their projects on schedule and on budget. Amir has two decades of experience in the construction industry, in roles ranging from project engineering, advanced computational analytics, digital construction, virtual project delivery and construction technology product management.

11:15am – 12:15pm Building Resiliency Through Innovation

How do you prepare for the future when so much is unknown about the road ahead? What does 'innovation' mean in practical terms and how do you move past buzzwords to create tangible action plans? This session will sharpen your leadership toolkit and position you to build a clear picture of how your team and company performs today compared to the market at large. We will discuss tactics to empower and overdrive measurable success for you and your organization. Join us as we prepare for the challenges facing construction today and position your business for future resilience and continued competitive advantage.



Tauhira Ali
Executive Director of Industry Innovation, NECA

Tauhira Ali, NECA's Executive Director of Industry Innovation, gathers insights from end users, industry experts, and tech providers to deliver awareness, education, and implementation strategies. Her work empowers the construction community to strategically leverage technical innovations and industry trends to overdrive process, productivity, and market share.

Tauhira has held R&D positions in the computing, automotive, aerospace, robotics, construction, and public relations industries. In addition to her passion for driving new solutions, Tauhira is deeply committed to expanding and empowering all voices within technical industries and has been honored to work closely with many affinity and mentorship groups to advocate and elevate all members of the workforce.

12:15pm – 12:45pm Lunch Buffet on Mezzanine Level

12:45pm – 1:45pm Open Slot/Networking Break

2:00pm – 3:00pm Advancing Robotics and Automation in Construction with Spot

The robots are coming! Robots, bionics, and autonomous machines have enormous potential to make construction safer and more efficient. Learn how Turner Construction Company is capitalizing on transformative advancements in robotics to bring the future of automated construction workflows to the jobsites of today. In this session Kris will delve into a recent pilot to explore how the Boston Dynamics' Spot robot can navigate jobsites, automate processes, and improve construction productivity.



Kristofer Wahl
Innovation Project Manager, Turner Construction Company

Kris works with Turner's dedicated Innovation Department to identify, test, and mainstream transformational technologies and processes that will shape the future of construction. He is responsible for managing innovation projects and R&D initiatives that bolster Turner's ability to capitalize on emerging technologies and processes that improve project delivery.

Kris brings creativity and design acumen to the department and leads communications initiatives and internal networking programs including Turner's Innovation Champions network. Kris has spent 14 years in the architecture, engineering, and construction industry since graduating from Penn State University in 2007 with a bachelor's in landscape architecture.



3:00pm – 5:00pm

Happy Hour and Exhibitors: Victory Beer Hall at Xfinity Live!

Join us for drinks and hors d'oeuvres at Victory Beer Hall at Xfinity Live! This will be a great opportunity to network as well as check out the latest tech from our exhibitors!

Confirmed Exhibitors:

- Autodesk
- CPA Technology
- FARO
- Kastle Systems
- I&I Sling/Slingmax
- Milwaukee Tool
- Plans4Less
- Site Aware
- Vita Inclinata

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