

2021 **Technology** **CEU DAY**

Huntsville Chapter®

Earn up to five (5) CEUs and enjoy lunch courtesy of CSI Huntsville & SSOE Group while we examine how our industry and practice are changing as a result of new and emerging technologies and methodologies.

WHEN

Thursday, August 19, 2021 | 830a-5p CT

WHERE

**The Atrium
at Redstone Federal Credit Union**

220 Wynn Drive NW, Huntsville, AL 35893

[Click here for Event Registration Hyperlink](#)

KEYNOTE

**IMPLEMENTING DIGITAL TWINS
OF FACILITIES AND INFRASTRUCTURE
Lessons Learned**

Presented By

Igor Starkov, CEO and Co-Founder EcoDomus

EXPLORING TECHNOLOGY IMPACTING THE AEC INDUSTRY

PRESENTERS

Igor Starkov · EcoDomus

Hugh Seaton · CSI Institute

John W. Gill · GA Studio | BLOX

Blake Jones · BSD SpecLink

Tony Horton · BSD SpecLink

David Eye · Schneider Electric

PANELISTS

Igor Starkov · EcoDomus

Matt Massey · ASCTE

Mark Dorsey · CSI

Joyce Johnson · CCI Engineering

John W. Gill · GA Studio | BLOX

Tony Horton · BSD SpecLink

David Eye · Schneider Electric

Craig Mitchell · MITRE

FEES

\$40 General Admission

FREE to CSI Members

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PROGRAM

Welcome & Opening Remarks · Coffee · 830AM

Mark Dorsey, FASEA, CAE, CEO, Construction Specifications Institute

HIGHLIGHTS OF CSI'S CROSSWALK—DELIVERING CSI STANDARDS DIGITALLY WITH CROSSWALK

Mr. Hugh Seaton, General Manager, Crosswalk, by CSI

SESSION 1

READY FOR SPECLINK CLOUD · 9AM

Mr. Tony Horton, CDT, LEED AP, Mechanical Spec Writer and Blake Jones, Strategic Account Manager, AEO · Building Systems Design—SpecLink

Tony has 19 years of experience as a mechanical, HVAC, and plumbing design consultant, and 15 years of experience reviewing and writing specifications. Tony is currently responsible for the content of MasterFormat Divisions 21, 22, 23 and 25. He also volunteers with the American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE) at the Chapter, Regional, and Society levels.

Blake Jones has spent several years in the construction software and technology industry, recently transitioning his focus to serving the AEC community. Blake is based in Atlanta, Georgia, is an active member in CSI and holds a CDT certification.

This presentation will introduce you to SpecLink Cloud, an innovative specification writing tool utilized by leading design firms worldwide. Collaboration and communication are the keys to every successful construction project, and specifications are no exception. Tony will discuss how to leverage our collaborative, cloud-based, specification writing tool to save time and money in creating project manuals for projects.

15 MINUTE BREAK · 1015AM

SESSION 2 | KEYNOTE

IMPLEMENTING DIGITAL TWINS OF FACILITIES AND INFRASTRUCTURE Lessons Learned · 1030AM

Igor Starkov, CEO and Co-Founder EcoDomus

Mr. Starkov is a computer scientist and entrepreneur with over 25 years of experience in software consulting and development. With has over 20 years of experience leveraging technology to improve construction project delivery and management of the built environment, his experience in the AEC, IT, and Facilities Management arenas and his in depth knowledge of Building Information Modeling (BIM), Lean Construction methodology, and Energy Management issues provide him with the unique capability of providing versatile information-enabled solutions. As a distinguished guest speaker

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er, Mr. Sarkov brings particular expertise in Digital Twins and BIM for FM workflow analysis and in creating applications that combine relational databases with analytical and visualization capabilities.

There have been dozens of projects showing the benefits of BIM & Digital Twin for facility lifecycle, books and articles are written on this topic. And still, 95% of organizations aren't doing much to implement the new workflows and technologies. Among the factors that cause the resistance: how are we going to use BIM? Isn't it too difficult and expensive? What if it doesn't work or my employees don't use it? Igor Starkov, EcoDomus' co-founder and CEO, will share the lessons learned accumulated over the past 11 years working with the leading facility owners around the world: Sydney Opera House, Google, University of Southern California, GSA, etc.

15 MINUTE BREAK · NOON

SESSION 3 | FACILITATED ROUNDTABLE & LUNCHEON

EXPLORING TECHNOLOGY IMPACTS ON THE BUILT ENVIRONMENT Trends & Lessons · 1215PM

Facilitated by Alyson Dinca, PMP, CSI, CDT · SSOE Group | CSI Huntsville Chapter President

Join us for a facilitated panel discussion on technology impacts and lessons learned from a variety of perspectives from concept, design, build, and construction, featuring our distinguished speakers and special guests, including:

Igor Starkov, CEO and Co-Founder · EcoDomus

Mr. Matt Massey, President | Educator · Alabama School for Cyber Technology and Engineering (ASCTE)

Ms. Joyce Johnson, President and CEO · CCI Engineering Services

Mr. Mark Dorsey, FASEA, CAE, CEO · Construction Specifications Institute

Mr. Tony Horton, CDT, LEED AP, Mechanical Specifications Writer · BSD SpecLink

Mr. David Eye, Consultant Solutions Architect · East Coast Digital Buildings, Schneider Electric NA

Mr. John W. Gill, PE, MEP | Systems Engineering Lead · GA Studio | BLOX

Mr. Craig Mitchell, Lead Cybersecurity Engineer · MITRE Corporation

15 MINUTE BREAK · 130PM

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SESSION 3

SPECIFYING INTEGRATED AUTOMATION USING MASTER FORMAT DIV 25 SPECIFICATIONS · 145PM

Mr. David Eye, Consultant Solutions Architect · East Coast Digital Buildings, Schneider Electric

David started his career in 1987 in the U.S. Army Information Systems Command and served in Secret Wireless Communications Systems & is a Gulf War Veteran, Recipient of Bronze Service Star and various medals. His background includes an Electronics Engineering Degree and over 25 years' experience in integrated technologies, systems, solutions, & services. Spear heading direct, indirect, partner, and channel support, project development & execution, knowledge training, Design, Design-Build, Technologies Project Manager, David's Engineering & Business Development in integrated Building's, Technology & Telecom Solutions across CSI Divisions 23, 25, 27, 28, and classified integrated systems has been a leading game changer and valuable benefit to influencers, stake holders, and specifiers in the industry. David joined Schneider Electric in 2017 focused on National level General Contractors large new complex integrated construction projects and has since brought his skills, talents, and expertise to the Digital Energy CES team in mid-2019.

Data's exponential growth is driving demand for future-ready, sustainable buildings that meet current and future occupant / tenant needs. As a result, there is an increased interest in intelligent and connected buildings, and a unique opportunity to apply AIA's little-known Master Format Division 25 Specification to adapt and adjust to digitization and produce high-performance buildings in the process. This presentation will help designers, specifiers, and engineers gain a better understanding of Master Format Division 25 Specification through case studies highlighting improvements in energy efficiency, wellness and workplace productivity.

15 MINUTE BREAK · 3PM

SESSION 4

INNOVATING CONSTRUCTION WITH D-M-C · 315PM

Mr. John W. Gill, PE MEP / Systems Engineering Lead · GA Studio | BLOX

John is currently the MEP / Systems Engineering Lead at GA Studio | BLOX, an integrated Design – Manufacturing – Construction enterprise based in Bessemer, Alabama, providing facility solutions using modular and off-site fabrication techniques. He has a 30 year career in the AEC industry, after graduating with Architecture and Architectural Engineering degrees from the University of Kansas. Prior to his current position at BLOX, we was a Senior Associate at SSOE and a Principal at CRS Engineering. He is passionate about the use of Virtual Design and Construction and Lean Production principles to the AEC industry, and has been deeply engaged in application of BIM and Lean Construction for the past decade.

DMC (Design-Manufacture-Construct) is a systematic re-thinking of construction, using the latest innovations in design and fabrication technology to fully integrate off-site and modular manufacturing fabrication into the construction workflow. The revolutionary changes to the workings of design and construction generate dramatic improvements in quality, value and speed. You'll learn the conceptual underpinnings of the DMC framework and see real-world projects delivered with this process.

CLOSING REMARKS · 430PM