



Powered by Master Builders of Iowa



IOWA'S PREMIER CONSTRUCTION TECHNOLOGY EXPO

November 10-11, 2020 | www.visionx.build

VisionX is Iowa's premier construction technology expo. Hosted by Master Builders of Iowa, this event will bring together dozens of exhibitors and break-out sessions to educate and inspire construction professionals with the most impressive technology available in today's fast-moving construction industry.

Schedule of Events

November 10, 2020

4:30 - 6:30 pm VisionX Reception

November 11, 2020

8:00 - 9:15 am **Keynote Breakfast**
Trends, Technology, & Taking the Lead

9:15 - 10:30 am **Exhibitor Time**

10:30 am - 12:00 pm **Break-Out Sessions**

- Practical Ways Leaders Can Leverage Technology
- Linking the Future of Construction
- Utilization of 3D Technology for General Contractors
- Volumetric Concrete Technology and the Tools Needed to Drive a Successful Construction Business

12:00 - 1:30 pm **VisionX Lunch & Exhibitor Time**

1:30 - 3:00 pm **Break-Out Sessions**

- Big Data & Predictive Analytics in Construction
- Digital by Default Era
- Introduction to Implementing Virtual Reality in Construction
- Behind the Scenes, Diving Into Reality Capture...Drones, Lasers, and Other Devices!

Program Details

Location: Prairie Meadows Event Center
1 Prairie Meadows Dr.
Altoona, IA 50009

Full Day Registration Fees:

\$250.00 / first person from your company
\$225.00 / each additional person from the same company

Full-day registration includes the keynote breakfast, exhibitor lunch, and two breakout sessions.

A-la-carte Registration Fees:

Keynote Breakfast - \$40 per person
Exhibitor Reception Lunch - \$35 per person
Break-Out Session - \$100 per person

Cancellation Policy: If you must cancel your registration, a full refund will be granted to requests received via email to NFry@MBI.Build by Oct. 23, 2020. A refund, less \$100 for each registrant, will be granted to written requests received from Oct. 23 - Nov. 3, 2020. No refunds will be granted after Nov. 3, 2020. No refund for no-shows.

KEYNOTE PRESENTATION FROM SCOTT KLOSOSKY



Trends, Technology and Taking the Lead

Leaders who have an accurate vision of the next ten years of the construction industry are more likely to prosper. Scott Klososky, the founder of Future Point of View, is well known for being able to accurately predict and portray the future of industries. In this session he will be sharing what will never be the same after 2020 and how the Digital Transformation will provide fertile ground for technology innovations. He has a unique ability to explain the positive impacts of areas like data activation, machine intelligence, cybersecurity advances, IoT, VR/AR and drones. Don't miss this chance to improve your vision of the future so you can apply what you see to today's strategies!

Practical Ways Leaders Can Leverage Technology

Presenter: Scott Klososky, Future Point of View – Edmond, OK

Following his keynote presentation, Scott will hold a more informal and conversational breakout session to discuss practical steps that can be taken today to better position your organization to prosper in the future. This will be a time for you to ask questions and test out ideas. The session will be a combination of sharing ideas, table discussions and exercises. The goal will be to take away three to five ideas that you can execute that will have a powerful impact on your future.

Master Builder Designation Credits: Leadership - 1

Linking the Future of Construction

Presenter: Autodesk Construction Cloud Team – San Francisco, CA

In the next 30 years, the global population is expected to reach nearly 10 billion people. That is 2 billion more people than today who require places to live, offices to work in, hospitals to care for them, and roads, bridges, and trains to connect them. The massive amounts of buildings and infrastructure needed to meet this global demand will be designed, built, renovated, and retrofitted by the construction industry. If companies want to excel in the new era of construction, they first need to build a strong foundation – one that builds a technology strategy from the ground up and connects all stakeholders and project phases. Attendees of this session will learn how contractors are improving collaboration, reducing risk, and delivering better projects by building a digital foundation to connect teams, workflows, and data in a unified system, how project owners and firms are looking across huge volumes of data and using it to inform critical project and business decisions and how companies can build a technology strategy to meet their desired project and business outcomes.

Master Builder Designation Credits: Project Management - 1

Utilization of 3D Technology for General Contractors

Presenter: Dan Johnson, Price Electric – Robins, IA

Modern commercial construction projects are assigned tighter deadlines than ever before, and the designs are more congested and complicated. In addition to providing examples of projects that have been successful using 3D modeling and collision detection, this seminar will answer the following questions: How can we leverage a 3D model to produce a tighter schedule? What experience is there in encouraging the design team (architects and project engineers) to share their 3D models? How can we encourage the MEP subcontractors to cooperate together as a team in order to mitigate collisions on the project? Statistically what has been the overall cost? How much should it cost? What sort of hardware and software is the easiest and most economical to use? How can we use the “design, plan, and fab” model to complete a project on time?...and much more!

Master Builder Designation Credits: Project Management - 1

Volumetric Concrete Technology and the Tools Needed to Drive a Successful Construction Business

Presenters: Kris Moorman, Rob Peterson, & Collin Robinson
Cemen Tech – Indianola, IA

Concrete is the most widely used material in the world. Its use goes back thousands of years and, today, it is indispensable in the development of infrastructure, industry and housing. With increasing demand to accommodate our modern and demanding lifestyles, we’re experiencing a need more than ever to improve the way we produce, manage and deliver this liquid gold. The session will focus on how a new generation of computerized concrete mixers were developed, the entrepreneurial contractors who are adopting the technology and the unique software and tools behind it all. Join us to learn about the innovations created by Central Iowa-based manufacturer, Cemen Tech.

Master Builder Designation Credits: Project Management - 1

Big Data & Predictive Analytics in Construction

Presenter: Autodesk Construction Cloud Team – San Francisco, CA

With the digitization of construction processes and the use of mobile devices on job sites, we are seeing more data captured from our projects than ever before. This data can be used to improve overall quality and reduce project risk. But, according to a study by FMI, 95% of that data is going unused by construction and engineering firms. During this session, attendees will learn the value of a “single source of truth” for all your construction data, what machine learning is and how it can help construction, an overview of how software enables prediction and analytics and best practices to get your organization set up to leverage insights from data.

Master Builder Designation Credits: Project Management - 1

Digital by Default Era

Presenter: Mogens Smed, Falkbuilt/Saxton – Calgary, AB, Canada

Due to this new normal we are in due to COVID-19, one of the greatest defaults will be a massive demand for reduced on-site labor, which means some form of off-site fabrication response. For at least the next 6 to 9 months there will be a huge demand in all interior environments for social separation, washable surfaces and anti-bacterial finishes. Most importantly these installations will have to happen very quickly so speed of construction is critical.

Master Builder Designation Credits: Leadership - 1

Introduction to Implementing Virtual Reality in Construction

Presenter: Brent Redman, Mechdyne Corporation – Marshalltown, IA

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Master Builder Designation Credits: Leadership - 1

Behind the Scenes, Diving Into Reality Capture...Drones, Lasers, and Other Devices!

Presenter: Justin DeVore, ATG USA – Phoenix, AZ

During this interactive and informative session, we will explore many different types of reality capture methods commonly used in the commercial construction space. We will dive into drones, lasers photogrammetry, structured light and more. In addition, we will address some of the science around how these technologies work and demonstrate a live workflow, taking a capture all the way into Autodesk Software.

Master Builder Designation Credits: Leadership - 1

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