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November 2, 2017

This serves as a record that

attended the following program:

7th Annual Design & Construction Technology Conference

Thursday, November 2, 2017
 Orlando's Event & Conference Center
 2050 Dorsett Village, Maryland Heights, MO 63043

Hosted by:

ASSOCIATED GENERAL CONTRACTORS OF MISSOURI *In Partnership with* ST. LOUIS COUNCIL OF CONSTRUCTION CONSUMERS

This conference was designed to accomplish the following Learning Objectives *(for self reporting, please check boxes for sessions attended)*:

Session Presenter	Learning Objectives	PDH / LU hours
<input type="checkbox"/> Keynote - Next Generation of Tech Tools for Construction Rob McKinney JB Knowledge Inc.	<ul style="list-style-type: none"> > Understand key definitions, principles and methods of using Apps for Construction. > Understand how to build a mobile device platform for construction projects. > Learn what apps work best with the Five Work flows. > Explain to management a few ROI scenarios for the use of apps to improve projects performance. 	1
<input type="checkbox"/> Construction Industry Leaders Discuss Key IT Issues Warren Doherty, Sumner One Michael Kennedy, KAI Design & Build Mark Patterson, S. M. Wilson Chris Reed, McCarthy Bldg. Cos.	<ul style="list-style-type: none"> > To learn about cyber-security threats and how to mitigate these risks. > To understand how to use cloud-based applications for email, collaboration, and file sharing. > To learn how to manage "bring your own device." > To learn best strategies for disaster recovery and business continuity. 	1
<input type="checkbox"/> BIMcollab for Coordination Management Lennel Hunter, Clayco	<ul style="list-style-type: none"> > Explore the basic features of BIMcollab. > Discuss workflow development goals. > Examine a use-case scenario on a current project. > Discuss efficiency gains and potential pitfalls. 	1
<input type="checkbox"/> Subsurface Utility Mapping Matthew Fitzgerald, Castle GPS Rico Bertucci, Castle GPS Fermin Glasper, Glasper Prof. Serv.	<ul style="list-style-type: none"> > Gather a full understanding of the subsurface utility mapping process. We will walk through the step-by-step process of how we collect our subsurface utility data, and develop our utility map. > Explain the benefits of mapping for the design, construction, and facilities industries. We plan to give attendees the ability to look at their current situation and see whether utility mapping can directly benefit them. > Review of several case studies showing real-life, practical applications of subsurface utility mapping. > Look ahead at a few interactive technologies that are being developed to additionally aid in safer construction methods. 	1
<input type="checkbox"/> Foundations of Dynamo Ryan Taube, Clayco B. Arch, Clayco	<ul style="list-style-type: none"> > Create Revit families that can be driven by Dynamo. > Preparing spreadsheet data for use with Dynamo. > Push data to Revit families to rapidly generate foundations and excavations. > Use Dynamo to rapidly iterate variations. 	1

Session Presenter	Learning Objectives	PDH / LU hours
<input type="checkbox"/> Case Study: Zurich North America Hdqtrs Project - A Streamlined 'BIM-Lean Approach Tomislav Zigo, Clayco	<ul style="list-style-type: none"> > Identify the lessons learned from implementing VDC/BIM practices on a large scale multi-phased project. > Understand the strengths and weaknesses of the various VDC/BIM practices. > Examine and understand the streamlined BIM-centric construction process ('BIM-Lean') for the TI phase. > Evaluate the effectiveness of VDC/BIM practices on the different phases of the project. 	1
<input type="checkbox"/> Case Study: Enhancing Today & Creating the Future State of AEC Industry-How VR/AR & Wearable Technologies are Helping Transform Design, Construction & Operations of the Build Environment Josh Taylor, Mortenson Construction	<ul style="list-style-type: none"> > Design: Improving Decisions through Immersive technologies – moving from single-player to multi-player experiences. > Construction: Improving safety awareness – Stop looking down at your mobile device and look up at the data enriched site. > Operations: Improving end user interaction with facility data to drive operational efficiency. > We are constantly evolving and are on the cusp of a whole new consumer level VR/AR boom. 	1
<input type="checkbox"/> Business Intelligence Adam Steht, GadelNet	<ul style="list-style-type: none"> > A History of Business Intelligence and Analytics > Business Intelligence Best Practices > Some Common Use Cases in the AEC Industry > How Can My Organization Jumpstart Our Adoption of Business Intelligence? 	1
<input type="checkbox"/> Bluebeam Revu: Tips & Tricks Chris Link, KAI Design & Build	<ul style="list-style-type: none"> > Provide attendees with some tips and tricks for the daily use of Bluebeam Revu in their office or jobsite environment. > Attendees will learn how to effectively use the Markup List to improve typical project Work flows including document review, quantity take-off and estimating. > Provide attendees with an overview of Bluebeam Studio and when to use Projects and/or Sessions. > Educate attendees on the advanced functionality of Bluebeam Revu eXtreme - Including Batch hyperlinking, OCR functionality and Form creation. 	1
<input type="checkbox"/> Technology Advantage: Transform Your Business by Focusing on Construction Productivity Sean Phillips, PlanGrid	<ul style="list-style-type: none"> > Learn strategies to measure and assess your organization's productivity gaps. > Learn methods to prioritize and execute organizational productivity improvements. > Learn about the Construction Productivity Software landscape. > Learn best practices about technology adoption from other practitioners and how others in the industry are preparing for the changes that technology will ultimately bring. 	1
<input type="checkbox"/> Case Study: VICO Workflow 5D BIM Case Study from an Estimator's Perspective Liang Gong, Clayco	<ul style="list-style-type: none"> > Learn how to generate quantities takeoffs by one click, make scheduling sequences and animations in a case study. > Learn how VICO interacts with Revit, AutoCAD, Sketchup, and Rhino. > Learn 5D BIM workflow in VICO office. > Learn how to compare different version designs in VICO. 	1
<input type="checkbox"/> Cryptolocker, WannaCry & Petya - How to Avoid & recover from Ransomware Attacks Jeff Groby, SumnerOne	<ul style="list-style-type: none"> > To learn about ransomware and how it works. > To learn strategies for avoiding ransomware attacks--using technology, processes, and people. > To learn how to recover from a ransomware attack: best practices, technology solutions, and security awareness training. > To manage people, processes and technology to overcome ransomware. 	1
<input type="checkbox"/> Leveraging Reality Capture in Design and Construction Bill Carney, BSA LifeStructures Brian Myers, Alberici	<ul style="list-style-type: none"> > Define the various terms and technologies used for Reality Capture in the field. > Learn how to place point cloud data into design software. > Learn how to model a space using the point cloud data and Revit software. > Define the advantages of 360 cameras and their usage. 	1
<input type="checkbox"/> Keynote - Lean Into BIM - BIM Only Works If It's Profitable Benjamin Crosby, W.G. Yates Const.	<ul style="list-style-type: none"> > Determine how BIM, when done right, doesn't cost anything. > Explore the financial benefits of BIM and how to tap into them. > Describe why it is better to use BIM on smaller projects. > Determine what efforts to target when implementing BIM in a Lean way. 	1

The program's training was designed to qualify for Professional Development Hours (PDH) for Professional Engineers under Missouri statutes and Learning Unit (LU) hours through the American Institute of Architects. For self-reporting, please retain this as a record of your participation.

Certifying organizations who wish to audit attendance records can contact the Associated General Contractors of Missouri or the St. Louis Council of Construction Consumers.