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Connected BIM Community Panel

Michelle Rasmussen
Autodesk Inc.

with

Ann Van den Borre, VK Architects & Engineers
Anton Fedoseyev, Autodesk Inc.
Jennifer Chavez, Santec
Shawn Herring, Prosoft
Tauhira Ali, Milwaukee Tool

Learning Objectives

- Learn how to coordinate designs across disciplines.
- Learn how to reduce design errors.
- Learn how to be more efficient with BIM.
- Learn tips and tricks of the trade.

Description

Do you work in the architecture, engineering, and construction industry? Do you have questions about how to work better as a team across disciplines or firms working on the same projects? Are you looking to meet other professionals like you? Please join us for our Connected BIM User Community Panel. This is an extension of the virtual meetups we hold the first Thursday of each month where we feature new tips and tricks at each meeting and we have open questions and answers with BIM experts to address any questions and suggestions you have. Come to learn project management tips and tricks, model coordination tips and tricks, customization tips and tricks, template tips and tricks, and many more tips and tricks! We'll also have an open question and answer session. Register for these virtual meetups to become more productive, increase your connected BIM skills, and have a place to get your questions answered. Multiple speakers from our virtual events will be sitting on the panel to answer your most-pressing questions.

Moderator



Michelle Rasmussen has over 20 years of experience in the AEC industry, where she has worked for both government and private engineering firms. In 2000, she started teaching others how to use Autodesk products at Salt Lake Community College's Professional Development Center. Since then, she has helped several Autodesk software users implement AutoCAD, Civil 3D, InfraWorks, Navisworks and more through her teaching and consulting. She has written several books on Autodesk Infrastructure and BIM products for ASCENT which have been sold around the world. She is now the AEC Content Manager for the Customer Success Organization, Learning Services group within Autodesk. In this role, she is responsible for making learning more engaging through a clean and focused experience.

Panelists



Ann Van den Borre, VK Architects & Engineers

Ann is a BIM and CAD manager at VK Architects & Engineers for 10 years now and used to work for Autodesk and the Autodesk channel partners as a technical sales representative in AEC. At VK she is responsible for the planning and implementation of all drawing, modelling and calculation software and for introducing and implementing BIM in all departments. (architecture, structural engineering, M&E engineering, infrastructure) Ann ensures that VK has the most advanced BIM and CAD software at its disposal, and that all BIM and CAD coordinators and operators are trained to be working with the software in an optimal way. She keeps on the lookout for new technologies and applications.

Ann safeguards the proper functioning of the installed systems, enabling VK to realize its design, tender and execution drawings in the best possible conditions. She develops standards (templates, working methodologies ...) that enhance the productivity of the BIM and CAD coordinators and operators.

Through her working experience with Autodesk and her education as a “Master in Engineering: Architecture”, Ann combines both the software knowhow and the theoretical design and engineering knowhow.



Anton Fedoseyev, Autodesk Inc.

Anton is a Content Strategist in Learning Services Group at Autodesk. He has been with Autodesk for 11 year in different roles including Program Manager, Technology Evangelist, Learning Content Manager, Support Specialist and even developer. Autodesk Certified Professional and Instructor. B.Sc. in Mechanical Engineering/M.Sc. Computer Science and 15+ years of experience in CAD business.



Jennifer Chavez, Stantec

Jennifer is the BIM Manager, CAD Coordinator and Senior Civil Designer for large scale engineering firm. Jennifer has authored and created Civil 3D Standards for her company.

The standards consist not only of basic CAD standards but also in-depth on large file management, drawing organization and how-tos for specialized projects concerning dam design and basic Civil 3D.

Jennifer has taught and oversees training for Civil 3D and ProjectWise in her company. Jennifer uses Infraworks for large scale projects for use in community and client communications.



Shawn Herring, Prosoft

As an accomplished consultant for over 15+ years, Shawn Herring is a well-known figure in the civil infrastructure design community. Shawn has many titles, Consulting & Services Manager for ProSoft, Owner of Region Engineering & Surveying and Co-Founder of RealityOne which specializes in LiDAR and drone reality capture.

Over the past decade, Shawn has been involved in hundreds of projects across the country. During his vast career, Shawn has trained thousands of CADD users, helped hundreds of civil

infrastructure companies and major Department of Transportations implement new technologies, standardize workflows and enhance productivity. Shawn has been a part of 100's of Drone and LiDar scanning projects, ranging from simple roadway scans to complex contaminated land restoration projects consisting of 100's of acres.



Tauhira Ali is a highly skilled product strategist with more than 14 years of R&D and product design experience. As Milwaukee Tool's Senior Manager of Construction Technology, she explores construction trends and emerging technologies to drive practical, user-focused solutions. Her early product development and roadmap strategy development has impacted physical and digital solutions across every Milwaukee Tool product line. Prior to Milwaukee, Tauhira received a BS and MS in computationally focused Mechanical Engineering from Georgia Tech and Cornell University. She has held R&D positions in the computing, automotive, aerospace, robotics, and public relations industries. In addition to her passion for product development, Tauhira is deeply committed to expanding and empowering all voices within technical industries and has been honored to work closely with FIRST Robotics, the Society of Women in Engineering, and Habitat for Humanity.

Introduction

The population in urban areas is increasing by 200,000 people per day. By the year 2050, more than 6.4 billion people are expected to live in cities and the global population will rise to 9.7 billion. That means that contractors have to build 3,600 more buildings per day by 2050 just to keep up. How will you help your team keep up with demand while not compromising on quality or safety?

Learn how to coordinate designs across disciplines

Q: What is Design Thinking?

Q: How does Design Thinking help your team collaborate better across disciplines?

Q: How is today's economy requiring more collaboration from your teams?

Q: How do we reduce influence issues? When a senior person has one idea and others do not share it.

Q: How do we coordinate, integrate, communicate?

Q: What communication Tools are you using?

Q: How do you get everyone on the team following the workflows defined and using the tools implemented?

Learn how to reduce design errors

The right communication tools need to be in place. We also need to be patient. Creative people have a different way of thinking than engineers. Plan correctly, don't go too fast. Allow people to design in their way while also confirming.

Q: How do you increase awareness of what the software at their fingertips can do?

Q: How do you start planning?

Q: How do you make it a safe place to make errors and try new things?

Q: How do we learn from our errors?

Tip: Use a 3D model in communicating with the client.

Learn how to be more efficient with BIM

Q: What are you doing right now to be more efficient? What tools are you using?

Q: How do you create high performing teams that are just naturally more efficient?

Learn tips and tricks of the trade

Q: How do you determine when it's appropriate to use a BIM model, and to what level?

Q: What are ways to increase ROI of a BIM model?

Q: Are there any other tips and tricks you would like to share with everyone today?

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