

Bentley LEARning Conference Agenda

Plant, Building, Structural, ProjectWise

KANSAS CITY, Missouri USA March 21-23, 2016

Monday, Mar 21, 2016

Registration

11:00a - 7:00p **Registration and Information Desk Open**

Pre-conference Workshop

1:00p - 3:00p	QuickStart for Structural Engineers using STAAD.Pro	Structural Analysis and Detailing Track
Hands-on Novice	In this session, you will learn how to model structures in STAAD.Pro. <i>Sabrina Tedeschi</i>	
1:00p - 5:00p	Managing Configurations	MicroStation Modeling Track
Hands-on Intermediate - Expert	Learn to setup a configuration of MicroStation CONNECT Edition so that CAD Standards can be enforced and project data can be easily accessed. The configuration contains instructions on how to point to folders and files that contain the CAD Standard, project data, and other options in the software. <i>Samir Haque</i>	
1:00p - 5:00p	Networking your Customized Workspace	Building Design Track
Hands-on Intermediate - Expert	Learn to setup an AECosim Building Designer workspace for SELECTseries 6 using the QuickConfig Standard for networking your workspace to set up both company and project level standards. Learn how to customize your workspace with building Dynamic View Templates in DgnLibs. You can use one of our workshop computers or bring your own laptop and work on your own workspace. Bentley Building colleagues will be available to help you tweak your own workspace configuration and get that workspace humming. <i>Paul Wagner, Mary Chib, Travis Wollet</i>	
1:00p - 5:00p	QuickStart for MicroStation CONNECT Edition for Existing Users	MicroStation Modeling Track
Hands-on Novice	This session will discuss the MicroStation CONNECT Edition feature updates including the introduction of a ribbon-style graphical user interface (GUI), a relocation of the workspace settings, a new Backstage, updated tools and dialogs, Property Driven Annotation, a new Explorer replacing Project Explorer, Named Boundaries, Sheet Index, Item Types, Tables and more! Learn to master these new and exciting features found in the MicroStation CONNECT Edition. <i>Shawn McGaffick, John Melbert</i>	
3:00p - 5:00p	Modeling Building Structures in RAM Structural System	Structural Analysis and Detailing Track
Hands-on Novice	Learn how to model building structures in the RAM Structural System - RAM Modeler. <i>Ann Marie Garko-Hill</i>	

Conference Reception

6:00p - 7:30p **Welcome Reception**

Tuesday, Mar 22, 2016

Registration

7:00a - 5:00p **Registration and Information Desk Open**

Breakfast

7:00a - 7:50a	Discussion Topic: How do you get people to move out of their comfort zone and use new software, capabilities, and methods?	Breakfast Club Discussion Track
Breakfast Club Novice - Expert	Want to start your day with a well-fed stomach and a full brain? Grab coffee and breakfast and meet your peers for an early morning group discussion. Stop by one of the Breakfast Club discussions to share challenges, best practices, and learn from your peers. <i>Mary Chib</i>	
7:00a - 7:50a	Discussion Topic: What Technology, Apps, Utilities, or Tools Would you Not Want to do Without?	Breakfast Club Discussion Track
Breakfast Club Novice - Expert	Want to start your day with a well-fed stomach and a full brain? Grab coffee and breakfast and meet your peers for an early morning group discussion. Stop by one of the Breakfast Club discussions to share challenges, best practices, and learn from your peers. <i>Jeff Mumford</i>	
7:00a - 8:00a	Breakfast	

Concurrent Sessions - Block 1

8:00a - 8:45a	Design, Drawing, or Sheet: Deciding Which One to Use	MicroStation Modeling Track
Lecture Intermediate	Join us to discover the differences and similarities of Design, Drawing and Sheet Models in the MicroStation CONNECT Edition. Do you currently model completely inside of a Design Model and place your project data within a title-block and border? Are you looking for an easier way create a 2D section of your 3D design? Learn to cut sections, create plans and elevations and globally update section or elevation data through the creation and use of drawing models and sheets in the project workflow. Learn how using all three can make it easier to print with the click of a button and never have to place a fence to plot again. <i>John Melbert</i>	

Concurrent Sessions - Block 1

8:00a - 8:45a	Modeling Tips and Tricks in STAAD.Pro	Structural Analysis and Detailing Track
Lecture <i>Intermediate</i>	Learn several advanced modeling techniques to create complex structures in STAAD.Pro. <i>Sabrina Tedeschi</i>	
8:00a - 8:45a	The User Experience: Introducing The MicroStation CONNECT Edition	MicroStation Modeling Track
Hands-on <i>Novice - Expert</i>	The MicroStation CONNECT Edition features many updates to the user interface. Learn about these updates including the introduction of a ribbon-style graphical user interface (GUI), a relocation of the 'workspace' settings such as Preferences and Configuration, and more. <i>Tom Stogdill</i>	
8:00a - 9:45a	Advancing Plant Design - Session 1	Plant Design Track
Hands-on <i>Intermediate</i>	Over the two days of the conference we will execute a small retrofit project using various Bentley products. The attendees will learn through hands-on and workflow discussions how the Bentley tools and services cover the various disciplines typically involved in brown field projects in a networked environment using ProjectWise and OpenPlant ModelServer to emulate a typical engineering office. --- This session will focus on three topics (1) Plant products update. (2) Create a field investigation package to use for marking up new equipment and piping tie-in locations. (3) Take existing AutoPLANT P&IDs and migrate them to OpenPlant PID to do brownfield updates including using markups from site investigation to update the P&IDs to use in updating the 3D model. <i>Ramir Legacion , Tony DeRosa</i>	
8:00a - 9:45a	Grid Systems and the Floor Manager	Building Design Track
Hands-on <i>Novice - Intermediate</i>	This session you will learn about the new Grid System tool along with changes to the Floor Manager in AECOSim Building Designer SELECTseries 6. In addition to the lecture, participants will have the opportunity to get hands-on to try out the new functionality. <i>Paul Wagner, Mary Chib</i>	
9:00a - 9:45a	Modeling using the STAAD Editor	Structural Analysis and Detailing Track
Lecture <i>Intermediate</i>	Learn how to use the STAAD.Pro Editor to create model geometry. <i>Sabrina Tedeschi</i>	
9:00a - 9:45a	Processing Point Clouds with Bentley Descartes	Reality Modeling Track
Lecture <i>Novice - Expert</i>	Descartes isn't just for images anymore. See how this software can simplify modeling from your point clouds and create Scalable Terrain Models (STMs). This is your chance to see the section & clipping tools, even see how we can automatically follow features by the point cloud intensity. <i>Kurt Rasmussen</i>	
9:00a - 9:45a	The User Experience: WorkSpaces and WorkSets in MicroStation CONNECT Edition	MicroStation Modeling Track
Hands-on <i>Novice - Expert</i>	This session gives you practice mastering WorkSpaces and WorkSets in the MicroStation CONNECT Edition. We will work with the delivered 'Examples' Workspace and its associated WorkSets as well as create a new Workspace and WorkSet. <i>Tom Stogdill</i>	
Break		
9:45a - 10:15a	Break	

Concurrent Sessions - Block 2

10:15a - 11:00a	What's New in the MicroStation CONNECT Edition	MicroStation Modeling Track
Lecture <i>Novice - Expert</i>	A review of the main additions to the MicroStation CONNECT Edition. We will discuss CONNECTED Users and Projects, the new User Interface, new Annotation additions, including the Documentation Center, exciting new Display Rules, Item Types, Reporting, Tables, Sheet Indexing, understand the value of Reality Models, review Constraints and Functional Modeling and wrap it up with changes in 3D Visualization. <i>Shawn McGaffick</i>	
10:15a - 12:00p	Advancing Plant Design - Session 2	Plant Design Track
Hands-on <i>Intermediate</i>	The execution of a small retrofit project continues. This session focuses on four topics (1) Learn how to use the 2D/3D workflows to reuse the information in the updated P&IDs in the 3D design session. (2) Use site models created using ContextCapture to create new equipment models for use in the design process. (3) Use the new OpenPlant Modeler structural modeling tools to add new structural steel for new pipe supports. (4) Learn how to share the new structural information with structural detailers and analysis engineers. <i>Ramir Legacion , Tony DeRosa</i>	
10:15a - 12:00p	MicroStation Constraints	MicroStation Modeling Track
Hands-on <i>Intermediate - Expert</i>	Constraint tools let you fix various dimensions and relationships that control the shape and size of elements in a profile, and also let you fix geometric components relative to each other, so that they remain correctly located even if the underlying geometry or feature is modified. Learn how to use constraints to ease the 3D parametric workflow. <i>Samir Haque</i>	
10:15a - 12:00p	Specifying Diaphragms in RAM Structural System and Generating Lateral Loads	Structural Analysis and Detailing Track
Hands-on <i>Expert</i>	Learn how to specify diaphragms and generate lateral loads in the RAM Structural System - RAM Frame Analysis Module. <i>Ann Marie Garko-Hill</i>	

Concurrent Sessions - Block 2

10:15a - 12:00p	Using Generative Components Building Nodes to Enhance AECOsim Building Designer functionality	Building Design Track
Hands-on <i>Intermediate - Expert</i>	An introduction to several ways you can use the Generative Components Building Nodes to enhance AECOsim Building Designer functionality. It will include using the building and floor nodes to drive the Floor Manager, using the Dynamic View node to set up floor plan cuts that adjust with changes to the floor manager, and using the Compound Cell node to set up a compound cell factory for quickly creating multiple variations on a single compound cell. <i>Mary Chib, Paul Wagner</i>	
11:15a - 12:00p	ProjectWise CONNECT Edition Overview	ProjectWise Track
Lecture <i>Novice - Expert</i>	With the CONNECT Edition, ProjectWise evolves from an engineering work-in-progress system to comprehensive worksharing, supporting the entire project delivery lifecycle. This lecture will review new and enhanced capabilities, including multi-organization file sharing with ProjectWise Project Sharing, contractual communications including transmittals, submittals and RFIs with ProjectWise Deliverables Management and more! <i>Bill DiGregorio</i>	
11:15a - 12:00p	Why use Reality Modeling	MicroStation Modeling Track
Lecture <i>Novice - Expert</i>	What is and why should you use Reality Models? What does it mean to you? Reality modeling is the alignment of existing conditions, represented as reality mesh models combined with your design and construction modeling. Have you ever dealt with inaccurate existing conditions data? Your existing raster and point clouds are snapshots in time and creating 3D models from them can require some guesswork. While a point cloud has discrete points, reality models contain mesh and imagery. See how we work with these reality models directly or as reference files in the MicroStation CONNECT Edition. <i>Shawn McGaffick</i>	

Lunch

12:00p - 1:00p	Lunch	
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Keynote

1:00p - 1:45p	Bentley's Vision in Advancing Infrastructure	
Lecture <i>Novice - Expert</i>	Discover the latest innovations and developments in Bentley's CONNECT Edition software, the common environment for comprehensive project delivery. <i>Gordon McPhee</i>	

Concurrent Sessions - Block 3

2:00p - 2:45p	Drawing Production Innovations in MicroStation (Tips and Tricks)	MicroStation Modeling Track
Lecture <i>Novice - Expert</i>	Want to save time in design and production? Are you adapting your project workflows to the way your design software works? Or would you rather speed up design and save time and money in the process allowing you to explore alternate design options? Come to this lecture and discover how to increase individual and team productivity within your design projects without a long learning curve. MicroStation's new drawing production innovations speed design tasks and simplify workflows. Create 2D and 3D designs with ease with the comprehensive wide range of new and enhanced production drafting tools found in the latest versions of MicroStation. <i>Shawn McGaffick</i>	
2:00p - 2:45p	Make Your Site Planning Simple and Quick	Site Analysis Track
Lecture <i>Novice - Expert</i>	Is the process of creating site plans for plant projects time consuming and hard? Would you like to be able to give your clients results in days instead of weeks? If so, see how SITEOPS, a cloud-based technology for site planning, whether a new plant or an expansion, will help users optimize their time and designs. SITEOPS allows users to harness the power of the 3D/4D intelligent modeling world to easily analyze and manipulate site design options in a fraction of the time it takes using traditional CAD programs. Users can work with clients in real time to evaluate multiple design schemes while understanding the cost associated with each design solution. Being able to deliver almost instant results to clients will help the project team make better designs which make for better projects and happier clients. <i>David Settlemeyer</i>	
2:00p - 2:45p	The User Experience: The Ribbon: The New Face of the MicroStation CONNECT Edition	MicroStation Modeling Track
Hands-on <i>Novice - Expert</i>	A fundamental knowledge of a user interface, the basic components, and how it functions is essential in being productive with any software package. This familiarity saves both time and money for an organization by making an application easier to adopt, use, and stay current with. It is for reasons such as these that the MicroStation CONNECT Edition has adopted a ribbon style of interface. <i>Tom Stogdill</i>	
2:00p - 3:45p	Advancing Plant Design - Session 3	Plant Design Track
Hands-on <i>Intermediate</i>	The execution of a small retrofit project continues. This session focuses on three topics (1) Design pipe supports for new piping using the new OpenPlant Support Engineering tools. (2) Learn how to use OpenPlant Modeler to run piping clash detections for quick design validation. (3) Learn how Navigator CONNECT is used to do a multi-discipline project clash analysis and how that information is handled. <i>Ramir Legacion , Tony DeRosa</i>	
2:00p - 3:45p	Designing Isolated, Combined, and Pile Cap Foundations in STAAD Foundation Advanced	Structural Analysis and Detailing Track
Hands-on <i>Novice</i>	Learn how to design isolated, combined, and pile cap foundation in STAAD Foundation Advanced. <i>Sabrina Tedeschi</i>	
2:00p - 3:45p	Energy Simulation / Mechanical System Design	Building Design Track
Hands-on <i>Intermediate - Expert</i>	Learn to import an AECOsim Building Designer space model into AECOsim Energy Simulation, running some various scenarios to narrow down a mechanical system and then move back to AECOsim Building Designer to design the mechanical system. <i>Mary Chib, Paul Wagner</i>	

Concurrent Sessions - Block 3

2:00p - 3:45p	Processing Point Clouds with Bentley Descartes	Reality Modeling Track
Hands-on <i>Intermediate - Expert</i>	Learn how the capabilities in Bentley Descartes V8i (SELECTseries 5) enhance both point-cloud display and feature extraction. Features, such as the clip and section manager, and the particularly innovative linear feature extraction tools, are demonstrated. Participants also learn how these features streamline the feature extraction processes. <i>Kurt Rasmussen</i>	
3:00p - 3:45p	Generating Deliverables with MicroStation's Documentation Center	MicroStation Modeling Track
Lecture <i>Intermediate - Expert</i>	Learn about MicroStation CONNECT Edition's new capabilities for aggregating information and creating multi-discipline deliverables. You will witness how to improve the integrity and quality of those deliverables. These capabilities are built on the Bentley Common Deliverables Environment and collectively known as the Documentation Center. In this session, discover Automated Sheet Layout creating multiple sheets in a single operation. See automated layouts based on scale, location and along path. Learn about Property Driven Annotation that allows the creation of annotation that is generated and updated based on selected object properties. Discover how Property Driven Display, manages print output with project standards by setting display and print symbology. Learn how Property Driven Reports allows you to create tables, schedules and Bill of Material's based on project properties. Learn how Sheet Indexing can speed up the process of creating and distributing well-organized deliverables, giving the ability to control sheet numbering and ordering. See how to create Index Sheets, and publish complete print sets. <i>John Melbert</i>	
3:00p - 3:45p	Let SITEOPS and LumenRT put the Sizzle in Your Project	Site Analysis Track
Lecture <i>Novice - Expert</i>	Sometimes one of the hardest part of designing is getting clients to understand the intent of the design. With SITEOPS and LumenRT designers can create stunning visualizations based upon real world 3D design models. This session shows how with SITEOPS users quickly create 3D site models and with the help of LumenRT turn the model into 3D visuals that will put the sizzle in any project delivery. SITEOPS allows users to harness the power of the 3D/4D intelligent modeling world to easily analyze and manipulate site design options in a fraction of the time it takes using traditional CAD programs. LumenRT is a 3D visualization tool that will add environments, tree, moving vehicles, people and many more options to enliven a project. SITEOPS and LumenRt technologies will help clients and stakeholders understand design intent allowing for better project designs. <i>David Settlemyer</i>	
3:00p - 3:45p	The User Experience: Customizing the Ribbon in the MicroStation CONNECT Edition	MicroStation Modeling Track
Hands-on <i>Novice - Expert</i>	When working in an application, we often find ourselves adapting our workflows to fit the application, rather than the application to our workflows. And, if the sets of tools that are required for various workflows are not properly grouped together, time is often lost remembering where to locate them and navigating between tool locations. As such, what are we to do? Learn how to begin creating a custom user experience in the MicroStation CONNECT Edition by creating custom workflows, ribbon tabs, and more. <i>Tom Stogdill</i>	

Break

3:45p - 4:00p **Break**

Concurrent Sessions - Block 4

4:00p - 5:15p	Advancing Plant Design - Session 4	Plant Design Track
Hands-on <i>Intermediate</i>	The execution of a small retrofit project continues. This session focuses on two topics (1) Learn how CONNECT Forms are created and used for project tracking. (2) Learn how the new Navigator CONNECT visualizations can be used for design reviews. <i>Tony DeRosa, Ramir Legacion</i>	
4:00p - 5:15p	Day in Review - Building including AECOSim CONNECT Edition Discussion	Building Design Track
Lecture <i>Novice - Expert</i>	Miss a few topics you wanted to see today? We've got you covered. The last hour of the day is time for the Day in Review sessions, each providing a look back at key points from today's topics. The Day in Review sessions include segments such as question & answer panels, roundtable discussions, tips and tricks, and audience participation games. You can choose to stay in one Day in Review session, or circulate between a few to catch up on what you need to learn. --- The Building Day in Review session will include a discussion of how AECOSim Building Designer currently integrates with CONNECT and what it means for the future. We will wrap up with a discussion of the day's lectures and how they will impact the Project Coordination lab on Wednesday morning. <i>Paul Wagner, Travis Wollet, Mary Chib</i>	
4:00p - 5:15p	Day in Review - MicroStation and Reality Modeling	MicroStation Modeling Track
Lecture <i>Novice - Expert</i>	Miss a few topics you wanted to see today? We've got you covered. The last hour of the day is time for the Day in Review sessions, each providing a look back at key points from today's topics. The Day in Review sessions include segments such as question & answer panels, roundtable discussions, tips and tricks, and audience participation games. You can choose to stay in one Day in Review session, or circulate between a few to catch up on what you need to learn. --- The MicroStation Day in Review session will include a discussion of how your essential workflows will be impacted by the MicroStation CONNECT Edition and what it means for the future with vertical applications. We will wrap up with a discussion of the day's hands-on courses and lectures and how they will impact you, your users and your projects. <i>Tom Stogdill, Samir Haque, John Melbert, Kurt Rasmussen, Shawn McGaffick</i>	
4:00p - 5:15p	Day in Review - Site Analysis	Site Analysis Track
Lecture <i>Novice - Expert</i>	Miss a few topics you wanted to see today? We've got you covered. The last hour of the day is time for the Day in Review sessions, each providing a look back at key points from today's topics. The Day in Review sessions include segments such as question & answer panels, roundtable discussions, tips and tricks, and audience participation games. You can choose to stay in one Day in Review session, or circulate between a few to catch up on what you need to learn. <i>David Settlemyer</i>	

Tuesday, Mar 22, 2016

Concurrent Sessions - Block 4

4:00p - 5:15p

Day in Review - Structural

Structural Analysis and Detailing Track

Lecture

Novice - Expert

Miss a few topics you wanted to see today? We've got you covered. The last hour of the day is time for the Day in Review sessions, each providing a look back at key points from today's topics. The Day in Review sessions include segments such as question & answer panels, roundtable discussions, tips and tricks, and audience participation games. You can choose to stay in one Day in Review session, or circulate between a few to catch up on what you need to learn.

Sabrina Tedeschi, Ann Marie Garko-Hill

Networking Dinner

5:30p - 7:30p

Networking Dinner

Continue the conversation from the Day in Review sessions with peers and Bentley experts over a meal. Discuss the latest industry trends and find out what your peers are doing to maximize their product technologies. Just join a table with a topic that interests you!

Wednesday, Mar 23, 2016

Registration

7:00a - 4:00p

Registration and Information Desk Open

Breakfast

7:00a - 7:50a

Discussion Topic: Challenges Matching Software Capabilities with Project Requirements.

Breakfast Club Discussion Track

Breakfast Club

Novice - Expert

Want to start your day with a well-fed stomach and a full brain? Grab coffee and breakfast and meet your peers for an early morning group discussion. Stop by one of the Breakfast Club discussions to share challenges, best practices, and learn from your peers.

Jeff Mumford

7:00a - 7:50a

Discussion Topic: The Realities of Educating a Workforce to Use New Software

Breakfast Club Discussion Track

Breakfast Club

Novice - Expert

Want to start your day with a well-fed stomach and a full brain? Grab coffee and breakfast and meet your peers for an early morning group discussion. Stop by one of the Breakfast Club discussions to share challenges, best practices, and learn from your peers.

Mary Chib

7:00a - 8:00a

Breakfast

Concurrent Sessions - Block 5

8:00a - 8:45a

Context Capture Overview

Reality Modeling Track

Lecture

Novice - Expert

Produce high resolution 3D models from simple photographs, without any human intervention. Traditional 3D modeling techniques would involve prohibitive cost and time to match the geometric precision of 3D models produced by ContextCapture. ContextCapture can not only produce a dense point cloud, but also a textured 3D triangular mesh, much more amenable to display, editing or 3D printing. Moreover, being part of the Bentley Systems portfolio of products, ContextCapture can produce the new 3MX format, that can be opened in MicroStation CONNECT, and used as a 3D context for analysis or design processes.

Kurt Rasmussen

8:00a - 8:45a

What's New in Visualization

MicroStation Modeling Track

Lecture

Novice - Expert

Learn about the new features in MicroStation CONNECT Edition Visualization. With the addition of a new rendering engine, texture replicators, new Sky lighting options and much more.

Samir Haque

8:00a - 8:45a

Wind Loads for A-Typical Structures in STAAD.Pro

Structural Analysis and Detailing Track

Lecture

Intermediate

Learn how to generate wind loading in STAAD.Pro for a-typical structures according to the ASCE 7.

Sabrina Tedeschi

8:00a - 9:45a

Advancing Plant Design - Session 5

Plant Design Track

Hands-on

Intermediate

The execution of a small retrofit project continues. This session focuses on five topics (1) Learn how piping isometrics are created from AutoPLANT and OpenPlant and how various outputs can be configured. This includes creating DGN and DWG outputs. (2) Augmenting data on isometrics using DBQuery. (3) Learn how to configure the Bill of Material. (4) Learn how to adjust graphical output using drawing overrides. (5) Learn how to add data using User Labels and detail sketches.

Tony DeRosa, Ramir Legacion

8:00a - 9:45a

Using Reality Models in MicroStation

MicroStation Modeling Track

Hands-on

Novice - Expert

Learn all about Acute 3D, 3MX files and more importantly, how to include them in MicroStation based workflows. Master attaching 3MX as reference files. Learn to integrate Acute 3D files with Google Earth and print to a 3D PDF, dropping the mesh into a DGN Model and much more.

Shawn McGaffick

8:00a - 12:00p

Project Coordination Lab

Building Design Track

Hands-on

Intermediate - Expert

You will be divided into groups of consultants working on a mid-size project set up in a networked workspace. Each group will be responsible for making a set of changes to the project model while coordinating the changes with the other groups. Ultimately the changes will update the master model and the corresponding drawings and schedules. Users will have an opportunity to learn strategies for a successful BIM model that incorporates both standard BIM modeling and Generative Components modeling and allows users to quickly incorporate changes to the design. Software used will include AECOSim Building Designer, AECOSim Energy Simulator, GenerativeComponents, and SiteOps. Groups will include Architecture, Mechanical, Structural, Electrical, Energy Simulation and Site Design.

Paul Wagner, Mary Chib, Travis Wollet

Concurrent Sessions - Block 5

9:00a - 9:45a	Designing Plant Foundation in STAAD Foundation Advanced	Structural Analysis and Detailing Track
Lecture <i>Intermediate</i>	Learn how to design plant foundation in STAAD Foundation Advanced. <i>Sabrina Tedeschi</i>	
9:00a - 9:45a	LumenRT Overview	Reality Modeling Track
Lecture <i>Novice - Expert</i>	Quickly create images, videos and real-time presentations of Architecture, Landscape, Urban and Infrastructure Designs. With LumenRT, you will 'Tell a Better Story'. Win business through more engaging user experiences while still working in Your Design System. Nothing to learn! Quickly bring your scenes to life using tools you know. Enjoy high quality graphics with real-time natural lighting. <i>Kurt Rasmussen</i>	
9:00a - 9:45a	The User Experience: Why the Ribbon - Navigating the User Interface in the MicroStation CONNECT Edition	MicroStation Modeling Track
Lecture <i>Novice - Expert</i>	The MicroStation CONNECT Edition delivers a brand new user experience. This modern, consistent and intuitive environment lowers the training threshold. The ribbon is an industry-standard layout for a user interface used by many applications including Microsoft Office and is comfortable to many users. Master navigation of the user interface in the MicroStation CONNECT Edition. <i>Tom Stogdill</i>	

Break

9:45a - 10:15a **Break**

Concurrent Sessions - Block 6

10:15a - 11:00a	Creating and Working with 3D Parametric Cells	MicroStation Modeling Track
Lecture <i>Intermediate - Expert</i>	Learn how to incorporate 3D parametric cells into your workflow. By parameterizing your cells you can create a family of parts that can be modified through variables at placement time. Learn about constraints, parameters, variables and some solid modeling, to create 3D parametric cells. <i>Samir Haque</i>	
10:15a - 12:00p	Advancing Plant Design - Session 6	Plant Design Track
Hands-on <i>Intermediate</i>	The execution of a small retrofit project continues. This session is the completion of the topics started in Session 5. <i>Ramir Legacion , Tony DeRosa</i>	
10:15a - 12:00p	Designing Concrete Members and Slabs in STAAD.Pro	Structural Analysis and Detailing Track
Hands-on <i>Intermediate</i>	Learn how to design concrete members and slabs in the STAAD.Pro Reinforced Concrete Design Module. <i>Sabrina Tedeschi</i>	
10:15a - 12:00p	Sheet Creation and Indexing in a Building Project (Documentation Center)	MicroStation Modeling Track
Hands-on <i>Intermediate</i>	Want to optimize your designs and organize your projects? Capitalize on the powerful capabilities found in MicroStation CONNECT that will enhance and streamline the process of producing deliverables for your Building Project -- from design composition to sheet composition. Discover how to browse file contents and index DGN files for quick discovery of data and related information using Explorer. Learn how to batch print your plan set, be it small or large, utilizing MicroStation's Integrated Print Organizer which can reliably produce consistent, intelligent deliverables for your project. <i>John Melbert</i>	
11:15a - 12:00p	Making Functional Components Part of your Workflow	MicroStation Modeling Track
Lecture <i>Intermediate - Expert</i>	Functional Components include fully parameterized 3D solids and surfaces with Constraints systems to define shape and size and the ability to share intelligent 3D content. All of these aid and ease all the 3D workflows. <i>Samir Haque</i>	

Lunch

12:00p - 1:00p **Lunch**

Concurrent Sessions - Block 7

1:00p - 1:45p	ProjectWise File Plan Best Practices	ProjectWise Track
Lecture <i>Novice - Expert</i>	How many times have users setup a ProjectWise datasource with large folder structures? The lecture will review how to minimize the number of folders by using attribution and how users can effectively use ProjectWise Saved Searches (and templating saved searches) to filter for documents and generate a report. <i>Bill DiGregorio</i>	
1:00p - 1:45p	Working with Connected Projects and Connected Users	MicroStation Modeling Track
Hands-on <i>Intermediate - Expert</i>	Learn how to sign into the CONNECTION Client, create a WorkSet and associate it to the CONNECTED project, publish an i-model to a personal portal, and see how other team members receive the PDF of the i-model. <i>Shawn McGaffick</i>	
1:00p - 1:45p	Workspace Migration	MicroStation Modeling Track
Lecture <i>Intermediate - Expert</i>	In MicroStation CONNECT Edition, there have been a number of changes to the way Configuration Files are organized and processed. This course describes those changes and how to migrate older workspaces to configurations. You should have a basic knowledge of Configuration File concepts and a familiarity with how they were used in MicroStation V8i and previous versions. <i>Samir Haque</i>	

Concurrent Sessions - Block 7

1:00p - 2:45p	Advancing Plant Design - Session 7	Plant Design Track
Hands-on <i>Intermediate</i>	The execution of a small retrofit project continues. This session focuses on how to automatically create and annotate orthographic drawings. <i>Ramir Legacion , Tony DeRosa</i>	
1:00p - 2:45p	Generating Design Strips in RAM Concept and Integration between RAM Structural System and RAM Concept	Structural Analysis and Detailing Track
Hands-on <i>Intermediate</i>	Learn how to generate design strips in RAM Concept and how to send model data between RAM Structural System and RAM Concept. <i>Ann Marie Garko-Hill</i>	
1:00p - 2:45p	Project Coordination Lab - Lessons Learned	Building Design Track
Hands-on <i>Intermediate - Expert</i>	You will use the model developed in the morning session to run clash detection and have a discussion of lessons learned in terms of project coordination from the morning session. <i>Paul Wagner, Mary Chib, Travis Wollet</i>	
2:00p - 2:45p	Consistent Drawing Production With Annotation Scale	MicroStation Modeling Track
Lecture <i>Novice - Expert</i>	Are you using Annotation Scale? Do you want your design team to spend less project time scaling text, dimensions, detailing symbols, cells, references, and other geometry? Attend this lecture and learn the skills needed to implement a global setting called Annotation Scale. Annotation scale is essentially a plot scale that may be applied to different element types to scale or re-scale project data relative to the final print scale. This MicroStation feature allows the re-use of data amongst project participants at multiple scales without the need to redraw data or have duplication in a drawing. The lecture will focus on how annotation scale can be implemented as part of your civil project standards, and how it may be integrated it into your drawing production workflows. <i>Tom Stogdill</i>	

Break

2:45p - 3:00p **Break**

Concurrent Sessions - Block 8

3:00p - 4:45p	Advancing Plant Design - Session 8	Plant Design Track
Lecture <i>Intermediate</i>	The execution of a small retrofit project is completed with a review and open round table discussion of everything learned over the previous two days. <i>Tony DeRosa, Ramir Legacion</i>	
3:00p - 4:45p	AECOSim Building Designer Discussion Group	Building Design Track
Lecture <i>Novice - Expert</i>	This session will conclude the conference with an opportunity to ask Bentley colleagues questions and share your best practices, workflows, and tips. <i>Mary Chib, Travis Wollet, Paul Wagner</i>	
3:00p - 4:45p	Designing Moment, Gusset, and Base Plate Connections in RAM Connection Standalone	Structural Analysis and Detailing Track
Hands-on <i>Novice</i>	Learn how to design moment, gusset, and base plate connections in RAM Connection Standalone. <i>Ann Marie Garko-Hill</i>	