

| Bentley Civil   |                     |          |              |   |   |       |
|-----------------|---------------------|----------|--------------|---|---|-------|
| Day             | Time                | Type     | Level        | Session   | Description   | Room  |
| Monday, May 14  | 1:00 PM - 4:45 PM   | Workshop | Beginner     | BC1WK1 - CAD Tools for Civil Engineers Using Bentley Civil Power Products - Session A | This hands-on, 4-hour workshop empowers casual or new users to make the most of built-in CAD tools provided in Power InRoads, Power GEOPAK, and MXROAD. Learn how to navigate a drawing, lay out a simple road and lot, and import data - all from the perspective of a Civil Engineering Designer. For all Bentley Civil users.  | 123   |
| Monday, May 14  | 1:00 PM - 4:45 PM   | Workshop | Beginner     | BC1WK2 - CAD Tools for Civil Engineers Using Bentley Civil Power Products - Session B | This hands-on, 4-hour workshop empowers casual or new users to make the most of built-in CAD tools provided in Power InRoads, Power GEOPAK, and MXROAD. Learn how to navigate a drawing, lay out a simple road and lot, and import data - all from the perspective of a Civil Engineering Designer. For all Bentley Civil users.  | 124   |
| Monday, May 14  | 5:30 PM - 7:00 PM   | Lecture  | All          | BC1DNP1 - DOT Roundtable  | Private meeting for DOTs (by invitation only).  | 122AB |
| Tuesday, May 15 | 11:00 AM - 11:45 AM | Lecture  | All          | BC2KT1 - Bentley Civil Keynote - Part 1   | Bentley Civil Keynote - Part 1 provides an overview of the new features and benefit of Bentley Civil SELECTseries 3 products. We will also take a look at some of the key new features coming soon in Bentley bridge and geotechnical applications. For all Bentley Civil users.  | 122AB |
| Tuesday, May 15 | 1:00 PM - 1:45 PM   | Lecture  | All          | BC2KT2 - Bentley Civil Keynote - Part 2<br>SELECTseries 3 Highlights                  | Bentley Civil Keynote - Part 2 highlights the new, key capabilities that will be available in SELECTseries 3, with demonstrations relevant to Bentley Civil's Power InRoads, Power GEOPAK, and MXROAD design products. The release of SELECTseries 3 is imminent, so be among the first to see these great new tools designed with you in mind. For all Bentley Civil users.  | 122AB |
| Tuesday, May 15 | 1:00 PM - 1:45 PM   | Lecture  | All          | BCEX2LC2 - Exor Case Studies  | Case studies from the Exor community on how Exor is currently used, and plans for how it will be used to meet the growing information needs of asset management, safety, and fiscal planning.   | 121C  |
| Tuesday, May 15 | 2:00 PM - 2:45 PM   | Lecture  | Advanced     | BC2LT1 - Administering Bentley Civil Software   | This training presentation provides an insightful look at user responsibilities for configuring and maintaining Bentley Civil products. Learn how to create tasks and custom workflow menus, including right-click menus; work with DGNLIBS to set up preferences; and create element templates, filters, and more. For all Bentley Civil advanced users.   | 122AB |
| Tuesday, May 15 | 2:00 PM - 3:45 PM   | Workshop | Intermediate | BC2WK1 - Plotting Intelligent 3D PDFs from Bentley Civil Software                     | This workshop focuses on the capabilities within Bentley Civil applications to view, edit, and plot engineering data as 3D PDFs. Experience the new functionality first-hand, and learn how to post engineering data to elements and then readily accessing that intelligent information - such as Pipe ID, Material, and Flow Rate - by hovering over the element. For all Bentley Civil intermediate users.   | 123   |
| Tuesday, May 15 | 2:00 PM - 3:45 PM   | Workshop | Advanced     | BC2WK2 - Advanced Geometrical Layout for Compound and Reversed Curves                 | This hands-on workshop provides detailed instruction for the various methods and tools available in Power InRoads for creating advanced geometry such as compound and reverse curves.   | 124   |
| Tuesday, May 15 | 2:00 PM - 2:45 PM   | Lecture  | Advanced     | BC2LT2 - When Typical Is Not "Typical"  | For those in-the-know, a typical section is anything but "typical" - and that's why this presentation is a must. Learn how to adapt typical sections to changing and challenging conditions with minimal effort. Whether making a simple typical design robust or using different standards, learn how to increase productivity and be ready for virtually any non-typical typical scenario! For all Bentley Civil advanced users.                    | 121A  |
| Tuesday, May 15 | 2:00 PM - 3:45 PM   | Workshop | Intermediate | BC2WK3 - Civil Design Review: 3D Modeling and Clash Detection                         | Learn how to take greater advantage of your civil information modeling, especially on such tasks as drainage clash detection. Also learn about innovative technologies for performing design review, performing engineering checks, and just-in-time communication with colleagues and the construction team. For all Bentley Civil intermediate users.   | 125   |
| Tuesday, May 15 | 2:00 PM - 2:45 PM   | Lecture  | All          | BC2LC1 - Bentley Civil Be Inspired Awards Review                                      | This presentation provides an overview of projects submitted for the 2011 Annual Be Inspired Awards in the road, bridge, geotechnical, and rail categories. See these innovative projects from around the world that were engineered using Bentley Civil software. Perhaps you will "be inspired" to submit one of your own projects for the 2012 Be Inspired Awards!   | 121B  |
| Tuesday, May 15 | 3:00 PM - 3:45 PM   | Lecture  | All          | BC2LC2 - SELECTseries 3 Technology Preview: Terrain Modeling - Part 1                 | Bentley Civil V8i (SELECTseries 3) introduces a new paradigm in digital terrain modeling. With SELECTseries 3, the digital terrain model (DTM) becomes an integral part of the 3D model and is stored in the DGN file. Scalable, transportable, dynamic and exceptionally fast, the new DTM element is ready for use. Learn how to create, display, and utilize the new terrain modeling. For all Bentley Civil users.                                | 122AB |
| Tuesday, May 15 | 3:00 PM - 3:45 PM   | Lecture  | All          | BC2LT3 - Roadway Designer: Resurfacing, Restoration, and Rehabilitation               | Revitalizing our roadways is a major concern for everyone. Fortunately, Roadway Designer provides a complete set of tools for overlay, grinding and milling, resurfacing, and smoothing - tools that address all facets of road rehabilitation. See Roadway Designer's capabilities and methodologies for developing "what-if" scenarios to determine the best solution that combines engineering, experience, and cost. For all Bentley Civil users. | 121A  |
| Tuesday, May 15 | 4:00 PM - 5:45 PM   | Workshop | Intermediate | BC2WK4 - Median Crossover Design  | This hands-on workshop guides participants through the steps necessary to model median crossovers using the Roadway Designer tool. For all Bentley Civil intermediate users.  | 123   |
| Tuesday, May 15 | 4:00 PM - 5:45 PM   | Workshop | Intermediate | BC2WKS - Using Styles and Named Symbolologies   | This hands-on workshop provides detailed instruction on the use of styles and named symbolologies in Power InRoads to control the display of designs in plans, profiles, and cross sections.  | 124   |
| Tuesday, May 15 | 4:00 PM - 4:45 PM   | Lecture  | All          | BC2LC3 - SELECTseries 3 Technology Preview: Terrain Modeling - Part 2                 | This presentation is an overview for InRoads, MXROAD, and GEOPAK users transitioning from TINs and DTMs to the new terrain element within MicroStation. This presentation covers converting legacy data, transitioning styles, and recommendations for handling multiple terrain models within DGNs. For all Bentley Civil users.   | 122AB |
| Tuesday, May 15 | 4:00 PM - 4:45 PM   | Lecture  | Beginner     | BC2LT4 - Roadway Designer - Keep It Simple But Thorough                               | This presentation provides a thorough walk-through of the tools and capabilities that make Roadway Designer work for you - including the Drive Roadway feature. Topics include typical sections, template application, superelevation, point controls, end conditions, and end condition exceptions. You'll learn about all the pieces and tools at an easy and productive pace. For all Bentley Civil users.   | 121A  |

|                   |                     |          |              |  |   |       |
|-------------------|---------------------|----------|--------------|--|---|-------|
| Tuesday, May 15   | 4:00 PM - 5:45 PM   | Workshop | Advanced     | BC2WK6 - Creating Advanced Components and Templates                                | This hands-on workshop for advanced users delves into parametrics, component name overrides, display rules, values, equations, alternate surfaces, point controls, and more. Get ready for the big leagues; this workshop is for heavy hitters. For all Bentley Civil advanced users.   | 125   |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | All          | BC2LC4 - Fuller Road and Washington Avenue Intersection Project                    | Learn about the challenges and successes that Creighton Manning Engineering experienced when designing the Fuller Road and Washington Avenue Intersection Project, which was done entirely in 3D using InRoads and 3D MicroStation tools. This project was Creighton Manning's first fully-3D bridge project where 3D modeling was utilized to create details and plans. Updates to the 3D model were automatically reflected via associative dimensions throughout the design. Creighton Manning was also able to identify streamlined methods for cutting sections and producing views. Creighton Manning utilized InRoads and Roadway Designer exclusively to create the roundabout and highway model, unlike past work which was done via 3D alignments imported into the surface. On this project, Creighton Manning took full advantage of secondary alignments and enhanced capabilities provided in InRoads V8i. It also used 3D solids for bridge modeling and InRoads to derive features (the overlap) of the bridge data, ultimately displaying the completed 3D model through high-end visualization tools. | 121B  |
| Tuesday, May 15   | 5:00 PM - 5:45 PM   | Lecture  | All          | BC2LT5 - Ask the Experts - Part 1  | In this session, a panel of Bentley Civil experts addresses common and not-so-common questions received from users. For all Bentley users.  | 122AB |
| Tuesday, May 15   | 5:00 PM - 6:30 PM   | Lecture  | All          | BC2DNP1 - Transit Meeting  | By invitation only.   | 121C  |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Advanced     | BC3WK1 - Administering Bentley Civil Software Workshop                             | This workshop provides a unique, hands-on experience to learn how to configure and maintain Bentley Civil products. Discover how to create tasks and custom workflows, including right-click menus; work with DGNLIBS to set up preferences; and create element templates, filters, and more. For all Bentley Civil advanced users.   | 123   |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Beginner     | BC3WK2 - SELECTseries 3 Technology Preview Workshop: Terrain Modeling              | See the new terrain modeling tools in Bentley Civil product and learn how to create terrain elements and make the most of templates and styles to best display your design. For all Bentley Civil users.  | 124   |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Beginner     | BC3WK3 - Roadway Designer - Keep It Simple But Thorough                            | This workshop provides a thorough, hands-on experience of all the tools and capabilities that make Roadway Designer work for you - including the Drive Roadway feature. Topics include typical sections, template application, superelevation, point controls, end conditions, and end condition exceptions. Learn about all the pieces and tools at an easy and productive pace. For all Bentley Civil users.  | 125   |
| Wednesday, May 16 | 10:00 AM - 10:45 AM | Lecture  | All          | BC3DNP1 - DOT Agency Meeting (DOTs Only)   | This hands-on workshop provides introductory training for the creating, manipulating, and annotating new vertical geometry in Bentley Civil V8i (SELECTseries 3). Can you live without dialogs and menus? You will never want to go back after learning to use the new intuitive, context-sensitive vertical geometry tools. For all Bentley Civil users.   | 122AB |
| Wednesday, May 16 | 10:00 AM - 10:45 AM | Lecture  | All          | BC3X3LC1 - Exor: Bentley Civil and AssetWise Interoperability                      | This presentation looks at many of the non-linear modeling tasks that can be undertaken using the same tools used for corridor modeling. For all Bentley Civil intermediate users.  | 121C  |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | All          | BC3LC1 - SELECTseries 3 Technology Preview: Geometry                               | Dynamic, interactive, associative, and relative - Bentley Civil geometry has entered a whole new world! Learn how to create, edit, and symbolize geometry as well as import legacy data into the new geometry paradigm and export to native data structures. See how the new geometry engine and Roadway Designer are used for corridor modeling. For all Bentley Civil users.  | 122AB |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | All          | BC3LC2 - Bentley Civil - Looking Into the Future Beyond SELECTseries 3             | Never at rest and always moving forward, Bentley Civil is dedicated to finding new ways to improve how you work. So, what is Research and Development doing now? See is coming from your Bentley Civil development team. For all Bentley Civil users.   | 121A  |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | All          | BC3LC11 - ProjectWise: The Only Way to Go for Transportation Projects              | Across the civil engineering and transportation industry, ProjectWise is fast becoming the standard and benchmark for managing engineering content on large-scale, civil infrastructure projects. See proven data that supports ProjectWise for transportation design and design/build projects.  | 121B  |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Beginner     | BC3WK4 - SELECTseries 3 Technology Preview Workshop: Horizontal Geometry           | Learn how to create, manipulate, and annotate new vertical geometry in Bentley Civil V8i (SELECTseries 3). Can you live without dialogs and menus? You will never want to go back after learning to use the new intuitive, context-sensitive vertical geometry tools. For all Bentley Civil users.  | 123   |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | All          | BC3LC3 - Technology Briefing: Bentley Civil Subsurface Utility Design and Analysis | Urban road and highway projects have a high potential of utility conflicts that must be addressed using subsurface utility engineering technologies and procedures. Get an early look at Bentley Civil Subsurface Utility Design and Analysis and learn how it will help you consolidate and manage buried utilities in a single model, ultimately decreasing design projects uncertainty. For all Bentley Civil users.   | 122AB |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | All          | BC3LT1 - An Overview of Templates and End Conditions                               | Learn about the inner workings of templates and their capabilities, as well as the application of end conditions with templates. For all Bentley Civil users.   | 121A  |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | BC3WK5 - Roadway Designer for Intermediate Users                                   | Learn how to transition between templates, add retaining walls, target other design surfaces and end condition exceptions, secondary alignments, and more. For all Bentley Civil intermediate users.  | 124   |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | BC3WK6 - Roadway Designer: Resurfacing, Restoration, and Rehabilitation            | Experience Roadway Designer capabilities for overlay, grinding and milling, resurfacing, and smoothing - tools that address all facets of rehabilitation. Learn how to develop "what-if" scenarios to determine the best solution that combines engineering, experience, and cost. For all Bentley Civil intermediate users.  | 125   |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | All          | BC3LC4 - Site Optimization Modeling Will Set You Apart!                            | See how engineering firms, both large and small, are using Site Optimization Modeling to exceed their clients' expectations and win more projects. Learn about the software and techniques used by firms to grow in this economic downturn.   | 121B  |

|                   |                   |          |          |  |  |       |
|-------------------|-------------------|----------|----------|--|--|-------|
| Wednesday, May 16 | 2:00 PM - 2:45 PM | Lecture  | All      | BC3LC5 - SELECTseries 3 Technology Preview: Corridor Modeling                    | The evolution of Roadway Designer continues into Corridor Modeling. See advancements introduced in SELECTseries 3, including creating mesh elements, editing of point controls, target aliasing, superelevation, and more. For all Bentley Civil users.  | 122AB |
| Wednesday, May 16 | 2:00 PM - 2:45 PM | Lecture  | All      | BC3LC6 - Mobile LiDAR to GEOPAK V8i - Without GEOPAK!                            | Learn how Iowa Department of Transportation (IDOT) incorporated mobile LiDAR technologies into their project delivery process. IDOT selected R.E.Y. Engineers, Inc. to acquire, process and deliver mobile LiDAR in a MicroStation V8i drawing file and GEOPAK V8i TIN, thereby meeting the IDOT Design Manual Specifications. R.E.Y. collaborated with Foth Infrastructure and Environment, LLC for local survey support, review of MicroStation drawings, and development and QA of the GEOPAK TIN. For the project, data was scanned directly into MicroStation V8i. A complete, edited DTM was then developed in InRoads, and the Data Acquisition tool was used to create the GEOPAK TIN. As a result of this success, IDOT has request R.E.Y. to submit a proposal for the optional second project that was part of the original proposal. | 121A  |
| Wednesday, May 16 | 2:00 PM - 2:45 PM | Lecture  | All      | BC3LC7 - InRoads Gold  | This presentation examines InRoads functionality that sometimes goes untapped, including the use of geometric tools, visualization tools, and XML reports that can yield users greater benefits than ever before. Expect to leave this presentation with more in-depth knowledge of InRoads capabilities.  | 121B  |
| Wednesday, May 16 | 3:00 PM - 3:45 PM | Lecture  | All      | BC3LC8 - SELECTseries 3 Technology Preview: Advanced Corridor Modeling           | The advancements for Corridor Modeling in SELECTseries 3 are too many to cover in a single presentation; however, this advanced session provides an overview of new concepts and capabilities for using reference files, targeting graphics, using design file clipping, and much more. For all Bentley Civil advanced users.  | 122AB |
| Wednesday, May 16 | 3:00 PM - 4:45 PM | Workshop | Beginner | BC3WK7 - SELECTseries 3 Technology Preview Workshop: Vertical Geometry           | This hands-on workshop provides introductory training for the creating, manipulating, and annotating new vertical geometry in Bentley Civil V8i (SELECTseries 3). Can you live without dialogs and menus? You will never want to go back after learning to use the new intuitive, context-sensitive vertical geometry tools. For all Bentley Civil users.  | 123   |
| Wednesday, May 16 | 3:00 PM - 4:45 PM | Workshop | Beginner | BC3WK8 - Creating Components and Templates                                       | This workshop provide hands-on experience in creating components of various types and assembling them into working templates. The importance of naming conventions and styles for components and points is also emphasized. For all Bentley Civil users.   | 124   |
| Wednesday, May 16 | 3:00 PM - 3:45 PM | Lecture  | All      | BC3LT2 - Roadway Designer and Superelevation                                     | This presentation covers defining, editing, and applying superelevation. Whether by equation, table or key-in, Roadway Designer can handle all methods and types of superelevation, transition, run-off, and application. For all Bentley Civil users.   | 121A  |
| Wednesday, May 16 | 3:00 PM - 3:45 PM | Lecture  | All      | BC3LC9 - InRoads Productivity Boosters   | Do you run across kinks in your cross sections where there should be none? Are you feeling overridden by Feature Name Overrides? Do you wish the Pen/Pencil and Delete Ink tools had stayed on the drawing board? Are you spending too much time hovering over Roadway Designer graphics to check supers or transitions? Do you drive yourself crazy chasing the little purple box in the Template Editor? Do Superelevation controls make you feel like you've lost control? If so, then this is the presentation for you. Quick and effective tips that run the gamut of InRoads, from easily creating exteriors to simplifying superelevation, you're sure to walk away with information that can help you become more productive with your software.   | 121B  |
| Wednesday, May 16 | 3:00 PM - 4:45 PM | Workshop | Beginner | BC3WK9 - Corridor Modeling with Power GEOPAK                                     | This hands-on workshop provides step-by-step instructions for effectively use the Corridor Modeler within Power GEOPAK, focusing on skills to ease the transition to Corridor Modeling and the advantages of the Roadway Designer within corridor modeling.  | 125   |
| Wednesday, May 16 | 3:00 PM - 3:45 PM | Lecture  | All      | BC3LC13 - From Scan to Plan : Capturing the Bayonne Bridge                       | Learn how high definition scanning (HDS) can be the differentiator in your next project. See how T.Y. Lin used HDS to create a 3D model of a large arch bridge. Learn how this cutting edge technology can be utilized by engineers in real time to create virtual replicas of any subject area into a 3D digital model with accessible measurements and data points to produce design and construction documents.   | 121C  |
| Wednesday, May 16 | 4:00 PM - 4:45 PM | Lecture  | All      | BC3LT3 - Ask the Experts - Part 2  | In this session, a panel of Bentley Civil experts addresses common and not-so-common questions received from users. For all Bentley users.   | 122AB |
| Wednesday, May 16 | 4:00 PM - 4:45 PM | Lecture  | All      | BC3LC10 - Teaching Engineering Students to Use InRoads in Three Weeks            | How is it possible to teach someone with no CAD experience to use a complex road design system in just three weeks? How is it possible to teach someone the basic knowledge of geometric highway design at the same time? How is it possible to teach in both Danish and English simultaneously? How can it be that a course where students complain about the workload and the high demands of the teacher still has an increasing number of students? Why does the teacher choose to teach at all, when she has a regular job? Learn the answers to these questions and more!  | 121A  |
| Wednesday, May 16 | 4:00 PM - 4:45 PM | Lecture  | All      | BC3LC12 - Implementing ProjectWise as a Foundation to BIM on Forbifart Stockholm | Discover how URS (United Kingdom/Poland) and AF Group (Sweden) utilized ProjectWise, Bentley Navigator, and i-model technology to deliver detailed design and project management services on the BIM-enabled Stockholm Bypass project for the Swedish Transport Administration (Trafikverket). See the tools and methods used to enhance project collaboration and integration on the new motorway which will link southern and northern Stockholm, reducing the impact on sensitive natural and cultural environments.  | 121B  |
| Wednesday, May 16 | 5:00 PM - 5:45 PM | Lecture  | All      | BC3EX3LC2 - EXOR: Best Practices   | See a module by module review of EXOR workflows and best practices. Come and share your knowledge and experience.  | 121C  |
| Thursday, May 17  | 8:00 AM - 8:45 AM | Lecture  | All      | BC4LC1 - SELECTseries 3 Technology Preview: Transitioning to SS3 Workflows       | With the imminent release of Bentley Civil V8i (SELECTseries 3), numerous questions come to mind. What does the implementation entail? What can you use natively, and what do you transition into? This presentation provides the basis for developing your plans to implement and utilize the exciting the new tools delivered in Bentley Civil V8i (SELECTseries 3). For all Bentley Civil users.  | 122AB |

|                  |                     |          |              |   |   |       |
|------------------|---------------------|----------|--------------|---|---|-------|
| Thursday, May 17 | 8:00 AM - 9:45 AM   | Workshop | Beginner     | BC4WK1 - SELECTseries 3 Technology Preview Workshop: Corridor Modeling                            | Learn how to use the new corridor modeling capabilities. If you have mastered Roadway Designer, nothing is lost; it just got a lot easier and more interactive. If you have struggled with Roadway Designer, struggle no more! Corridor modeling is here. For all Bentley Civil users.  | 123   |
| Thursday, May 17 | 8:00 AM - 11:45 AM  | Workshop | Advanced     | BC4WK2 - Customizing XSLs for XML Reports   | You don't have to be a computer hacker to create custom reports. Learn how to customize XSLs for XML reports including how to change the report format. For all Bentley Civil advanced users.   | 124   |
| Thursday, May 17 | 8:00 AM - 9:45 AM   | Workshop | Intermediate | BC4WK3 - Using Superelevation in Roadway Designer   | This hands-on workshop provides practical experience creating and applying superelevation, editing superelevation, copying superelevation, and creating superelevation diagrams. For all Bentley Civil intermediate users.  | 125   |
| Thursday, May 17 | 8:00 AM - 8:45 AM   | Lecture  | All          | BC4LC2 - Increasing Productivity Using TopoDOT/MicroStation for LiDAR Point Cloud Data Processing | This presentation demonstrates the significant increases in productivity realized across survey, design, engineering, construction, and management operations when TopoDOT processing software is applied to LiDAR data. TopoDOT easily extracts relevant, timely information from point clouds and calibrated imagery at all levels of the design-build process. This improves 3D modeling, data access, turn-around times, and overall project schedules with savings in topography acquisition and modeling costs.   | 121A  |
| Thursday, May 17 | 8:00 AM - 8:45 AM   | Lecture  | All          | BC4LC3 - Design Engineering Technology and Deliverables   | As technology and design advances, the Michigan Department of Transportation (MDOT) has worked with its ACEC partners to improve existing practices and procedures, as well as incorporate new technology. This presentation provides an overview of MDOT's ongoing efforts, including the design plans and deliverables improvement projects, merging of design and ROW plan sets, ProjectWise Dynamic Plot Solution (digital pen) plan review pilots, pre-bid electronic design deliverables to contractors (Reference Information Documents), and MDOT's transition to GEOPAK Roadway Designer for creation of 3D models and deliverables.   | 121B  |
| Thursday, May 17 | 9:00 AM - 9:45 AM   | Lecture  | Intermediate | BC4LC4 - SELECTseries 3 Technology Preview: Non-Corridor 3D Modeling                              | This presentation looks at many of the non-linear modeling tasks that can be undertaken using the same tools used for corridor modeling. For all Bentley Civil intermediate users.  | 122AB |
| Thursday, May 17 | 9:00 AM - 9:45 AM   | Lecture  | All          | BC4LC5 - Case Study - Clash Detection on Urban Light Rail D/B Project                             | Learn how clash detection is being used to prevent costly conflicts in the field between multiple at-grade, subsurface and even aerial disciplines. Track, roadway improvements, utilities, bridges, stations, overhead electrification, communications, and signalization are just some of the many disciplines that interacted during the design phase. This includes design software from multiple vendors, including Bentley, Autodesk, and others.   | 121A  |
| Thursday, May 17 | 9:00 AM - 9:45 AM   | Lecture  | All          | BC4LC6 - Maximizing Roadway Designer for Widening and Resurfacing Projects                        | Learn about the Overlay Tools in Roadway Designer, focusing on the use of Vertical Adjustment settings to design an "ideal" vertical alignment for a divided highway based on design and contractor requirements. Other topics include pavement quantity estimates and how the Component Quantity tool can facilitate a better pavement estimate.   | 121B  |
| Thursday, May 17 | 9:00 AM - 9:45 AM   | Lecture  | All          | BC4LC12 - Evaluating Mobile Scanning Technology for Use Within a State DOT                        | Investigating and evaluating new technologies are prerequisites for any state department of transportation searching for more efficient ways to collect survey data for design. Vendors offer improved accuracy and efficiency while providing stunning 3D shaded views of roadways and interchanges, yet some questions must be answered. For example, how is data collected and processed? How is data adjusted to fit survey control and provided in a format suitable for design? How can it be evaluated for accuracy? Learn the answers to these questions and more in this presentation. Discussion will also include the process Alabama Department of Transportation (ALDOT) went through to investigate the use of mobile scanning, addressing the initial research, equipment, survey control, field validation and analysis of final digital terrain models, along with the tools and applications used to assure the technology was viable for use by ALDOT. | 121C  |
| Thursday, May 17 | 10:00 AM - 10:45 AM | Lecture  | All          | BC4LC8 - SELECTseries 3 Technology Preview: Survey  | Many projects begin by importing data from LiDAR, surveys, photogrammetry, GIS, or other sources of data acquisition. As Bentley continues to add new capabilities for data acquisition, Bentley Civil V8i (SELECTseries 3) takes the next step forward. See the current data acquisition capabilities and learn what is new in SELECTseries3. For all Bentley Civil users.   | 121A  |
| Thursday, May 17 | 10:00 AM - 11:45 AM | Workshop | Intermediate | BC4WK4 - Creating End Conditions  | Creating end conditions is simple, but with this simplicity comes tremendous power. Learn how to harness the power of end conditions for basic cut and fill, ditches, benching, rock tracing, vectors, and so much more. This is an absolute must for all Roadway Designer users. For all Bentley Civil intermediate users.   | 123   |
| Thursday, May 17 | 10:00 AM - 10:45 AM | Lecture  | All          | BC4LC9 - Bentley Civil Case Study - Civil/GIS Integration at Work                                 | Bentley Civil products - Power InRoads, Power GEOPAK and MXROAD - all contain the complete functionality of Bentley Map, enabling users to take advantage of powerful Civil/GIS integration. See real-life usage of the integration between civil data and GIS/mapping data as well as case studies from multiple Bentley users showing how this occurs as well as the benefits.  | 121B  |
| Thursday, May 17 | 10:00 AM - 11:45 AM | Workshop | Intermediate | BC4WK5 - SELECTseries 3 Technology Preview Workshop: Non-Corridor 3D Modeling                     | This workshop provides hands-on instruction using the same tools you use for corridor modeling for many non-linear modeling tasks. For all Bentley Civil users.   | 125   |

|                  |                     |          |              |  |  |       |
|------------------|---------------------|----------|--------------|--|--|-------|
| Thursday, May 17 | 10:00 AM - 10:45 AM | Lecture  | All          | BC4LC13 - BIM: Adding Value to a Major Infrastructure Upgrade - Designer's Perspective | Mott MacDonald have been commissioned by London Underground (LU) to provide full multidisciplinary design services for London's critical \$1.1 billion Victoria Station Upgrade (VSU) project - a key transport hub in the heart of England's capital city. From ground level downwards, VSU is exceptionally challenging. The project is designed to significantly increase the station's capacity, reduce journey times, improve emergency evacuation and provide step-free access for people with restricted mobility - with all construction work to be completed while maintaining full operation of the existing station. The new ticket halls and tunnels are being built alongside existing infrastructure – the site is crisscrossed by existing pipelines, sewers and power and communications cables. Construction will take place adjacent to or beneath the foundations of buildings. Passenger tunnels linking the new ticket halls to the existing LU tunnels duck under a major culvert and scrape over and between existing platform tunnels with only millimeters to spare. At the outset, LU and Mott MacDonald realized that without a spatially accurate, fully coordinated BIM approach it would be near impossible to visualize and co-ordinate the project. This presentation describes how using this approach has added value, and reduced project risk. It will outline the project's modeling guidelines which define the ProjectWise common data environment, workflows and purpose of the model. New innovations will be described, including the use of BIM for ground treatment control - necessary to stabilize shallow water bearing gravels and provide an impermeable barrier for tunneling works. The presentation also reviews future developments, including the potential use of the model for facilities management throughout the station's lifecycle. | 121C  |
| Thursday, May 17 | 11:00 AM - 11:45 AM | Lecture  | All          | BCEX4LC1 - Exor User Group Meeting   | This user group meeting provides an opportunity for users and future users to share needs, experiences and interact with industry and Bentley professionals.   | 121C  |
| Thursday, May 17 | 11:00 AM - 11:45 AM | Lecture  | Intermediate | BC4LC10 - SELECTseries 3 Technology Preview: Civil Cells                               | Many engineering tasks include similar workflows with varying parameters. Intersections are similar, but different. Roundabouts sometimes look alike, but are very different. Bentley Civil is developing methods for these "similar-but-different" designs that will allow you to develop standards with parametric settings. This presentation introduces the concept of "civil parametric cells," and shows how the possibilities are only limited by your imagination. For all Bentley Civil intermediate users.   | 122AB |
| Thursday, May 17 | 11:00 AM - 11:45 AM | Lecture  | All          | BC4LC11 - Case Study: Multi-Disciplined Urban Transportation Design                    | This presentation outlines the successful delivery of four multi-lane roundabouts on a major arterial for the city of Johnston, Iowa. The urban corridor featured pavement widening, full reconstruction, a 2-lane bridge with a bike trail, a pedestrian culvert, a retrofitted storm sewer system, creek bank stabilization, and a bike trail - all within a 1-mile stretch. Ingenuity and team collaboration were evident as Foth's NW62nd Avenue design team challenged the traditional street-widening approach and recommended modern roundabouts as a non-traditional solution. The entire project was done using 12 Bentley products - including MicroStation, GEOPAK, Haestad Methods and LEAP software.  | 121A  |
| Thursday, May 17 | 11:00 AM - 11:45 AM | Lecture  | All          | BC4LT1 - Bentley Civil's Power Rail Track and Power Rail Overhead Line                 | This presentation highlights capabilities unique to the Bentley Rail products. These include dynamically placing rail geometry; using the swept path to determine clearance paths; analyzing tunnel geometry for over- and under-cut; setting out traction power; manipulating locations dynamically; creating clearance diagrams; and producing the bill of materials. It will address all tools needed for any rail project: metro/light, heavy, or even high speed rail. For all Bentley Civil users.   | 121B  |
| Thursday, May 17 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | BC4WK6 - Moving to SELECTseries 3 for InRoads Users                                    | What does it take to move to SELECTseries3? What steps do you follow? What is the impact to users, to standards, and to you? This hands-on workshop is a must for CAD managers and anyone else who is moving their InRoads users forward to SELECTseries3.   | 123   |
| Thursday, May 17 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | BC4WK7 - Moving to SELECTseries 3 for GEOPAK Users                                     | What does it take to move to SELECTseries3? What steps do you follow? What is the impact to users, to standards, and to you? This hands-on workshop is a must for CAD managers and anyone else who is moving their GEOPAK users forward to SELECTseries3.  | 124   |
| Thursday, May 17 | 1:00 PM - 2:45 PM   | Workshop | Beginner     | BC4WK8 - Creating Components and Templates - RELOAD                                    | This workshop provides hands-on experience in creating components of various types and assembling them into working templates. The importance of naming conventions and styles for components and points is also emphasized. For all Bentley Civil users.  | 125   |
| Thursday, May 17 | 3:00 PM - 4:45 PM   | Workshop | Intermediate | BC4WK9 - Using Styles and Named Symbolgies - RELOAD                                    | This hands-on workshop provides detailed instruction regarding the use of Styles and Named Symbolgies in Power InRoads to control the display of designs in plans, profiles, and cross sections.   | 123   |
| Thursday, May 17 | 3:00 PM - 4:45 PM   | Workshop | Intermediate | BC4WK10 - Moving to SELECTseries 3 for MXROAD Users                                    | What does it take to move to SELECTseries3? What steps do you follow? What is the impact to users, to standards, and to you? This hands-on workshop is a must for CAD managers and anyone else who is moving their MXROAD users forward to SELECTseries3.  | 124   |
| Thursday, May 17 | 3:00 PM - 4:45 PM   | Workshop | Beginner     | BC4WK11 - Roadway Designer - Keep It Simple But Thorough - RELOAD                      | This workshop provides a thorough, hands-on experience of all the tools and capabilities that make Roadway Designer work for you - including the Drive Roadway feature. Topics include typical sections, template application, superelevation, point controls, end conditions, and end condition exceptions. Learn about all the pieces and tools at an easy and productive pace. For all Bentley Civil users.   | 125   |

|                                  |                   |         |     |  |  |      |
|----------------------------------|-------------------|---------|-----|--|--|------|
| Tuesday, May 15                  | 2:00 PM - 2:45 PM | Lecture | All | BR2LC1 - New Efficiencies in Bridge Modeling Using PowerBridge Modeler | <p>This presentation previews the Power Platform-based, 3D parametric bridge modeling software, PowerBridge Modeler (PBM). The heart of Bentley bridge information modeling, PBM offers custom bridge definition tools as well as direct connections to GEOPAK, InRoads, and MXROAD for importing roadway information including horizontal alignment, vertical profile, and ground contours. Modeling can be done by assembling bridge objects in a free-form way for signature bridges or using guided sequences and user-created libraries of bridge components and assemblies. Parametric relationships among the various elements streamline the revision and update process. Utilities, ground, and existing structures can be referenced to provide the holistic view of the project for planning, clash detection, and coordination. The physical model of the bridge created with PBM can be interactively exchanged with LEAP Bridge Enterprise and RM Bridge for performing analysis and design.</p> | 121C |
| Published: May 10, 2012 07:01 PM |                   |         |     | Be Together 2012   |  |      |

| Bridge            |                     |          |       |   |   |      |
|-------------------|---------------------|----------|-------|---|---|------|
| Day               | Time                | Type     | Level | Session   | Description   | Room |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture  | All   | BR2LC1 - New Efficiencies in Bridge Modeling Using PowerBridge Modeler                                      | This presentation previews the Power Platform-based, 3D parametric bridge modeling software, PowerBridge Modeler (PBM). The heart of Bentley bridge information modeling, PBM offers custom bridge definition tools as well as direct connections to GEOPAK, InRoads, and MXROAD for importing roadway information including horizontal alignment, vertical profile, and ground contours. Modeling can be done by assembling bridge objects in a free-form way for signature bridges or using guided sequences and user-created libraries of bridge components and assemblies. Parametric relationships among the various elements streamline the revision and update process. Utilities, ground, and existing structures can be referenced to provide the holistic view of the project for planning, clash detection, and coordination. The physical model of the bridge created with PBM can be interactively exchanged with LEAP Bridge Enterprise and RM Bridge for performing analysis and design. | 121C |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | All   | BR2LC2 - LEAP Bridge Enhancements: Automated Drawings, New Bridge Types, and New Bridge Piers               | This presentation addresses recent LEAP Bridge enhancements for automated drawings, new bridge types, and new bridge piers. LEAP Bridge Enterprise now offers automated production of various drawings - Plan and Elevation, Framing Plan, Girder Elevation and Cross-Sections, and Piers, Abutments, and Footings - consistent with the designs performed using LEAP Bridge. In addition, LEAP Bridge is now international, supporting the Canadian Highway Bridge Design Code (CHBDC) and the Indian Road Congress (IRC) bridge design specifications. Version 11 of LEAP Bridge also supports the 2-stage CIP post-tensioned I-girder bridges, the most popular bridge type in India and can now be used to design integral bridges, wall piers, and pile bents.   | 121C |
| Tuesday, May 15   | 4:00 PM - 5:45 PM   | Workshop | All   | BR2WK1 - LEAP Bridge Enterprise V8i - What's New?   | This workshop covers the design of a prestressed concrete bridge. We'll begin with geometric design and import from Bentley Civil software and proceed to the analysis and design of the bridge super and substructure. This workflow utilizes the latest LRFD code. At the end of the design process, we will produce plan schematics using the NEW Drawing feature in LEAP Bridge Enterprise. Many of the new features in the latest release are covered along the way.   | 120C |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | All   | BR3LC1 - Type, Size, and Location for Segmental Bridges Using RM Bridge                                     | This presentation explains how parametric modeling capabilities in RM Bridge make it an ideal tool for the preliminary design of a segmental bridge all the way through to final design. Due to the relational definition of alignment and profile to superstructure and substructure, changes that are made to any part of the model will be reflected in the rest of the model. When geometry information changes as the design progresses, all of the work done on the RM Bridge model and analysis is still usable with only minor changes. Different span arrangements can be checked by adding, removing, or moving a pier. The RM Bridge modeler also makes it easy to adjust the superstructure depth and have all previously defined tendons react accordingly, and the number of tendons is also quickly adjustable to allow for analysis of several different scenarios.   | 121C |
| Wednesday, May 16 | 1:00 PM - 4:45 PM   | Workshop | All   | BR3WK1 - RM Bridge - Parametric Bridge Modeling   | This workshop focuses on the parametric modeling tool in RM Bridge. When modeling in RM Bridge, the same principles apply to all types of structures. In this workshop, the example used will be a 3-span concrete, hollow box bridge with a non-prismatic section. The 3D model of the bridge will include the superstructure and the substructure. Topics covered include the creation of an axis (alignment/profile) and cross section as well as assembling the structural system of beam elements and nodes.   | 120C |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture  | All   | BR3DNP1 - First Annual DOT Bridge Design and Analysis Roundtable  | Join industry experts from DOTs and Bentley for the First Annual DOT Bridge Design and Analysis Roundtable. Help direct the future of bridge design technology to create and sustain safe, efficient, and enduring transportation infrastructure. Experience the latest, innovative software tools and functionality from Bentley. Be among the first to hear about future development and product direction in this agency-only brainstorming session.   | 121C |
| Thursday, May 17  | 8:00 AM - 9:45 AM   | Workshop | All   | BR4WK1 - Concrete Detailing with Bentley Rebar - Practical Applications                                     | This workshop focuses on rebar detailing, emphasizing the use of Bentley Rebar's 3D Rebar Modeler to resolve clash interference analysis and solutions during the pre-construction detailing phase. Workshop content also includes how to use the new Auto Shape Manager to automatically produce bar diagrams of complex configuration with easy modifications to conform to rebar fabricators.  | 120C |
| Thursday, May 17  | 1:00 PM - 4:45 PM   | Workshop | All   | BR4WK2 - RM Bridge: Tendons, Staging, Loading and More! (Prerequisite Workshop: Parametric Bridge Modeling) | This workshop covers modeling tendon profiles and setting up a series of construction stages and loads in RM Bridge using the model created in the RM Bridge - Parametric Bridge Modeling workshop. Three construction stages will be created and analyzed with several load cases including self weight, prestressing, and time dependent effects. Additional loads such as settlement and live loading will also be analyzed. Summing load cases and creating combinations will be covered along with different ways of processing and presenting the results of the analysis and design.   | 120C |

| Building          |                     |          |              |  |   |       |
|-------------------|---------------------|----------|--------------|--|---|-------|
| Day               | Time                | Type     | Level        | Session  | Description   | Room  |
| Tuesday, May 15   | 11:00 AM - 11:45 AM | Lecture  | Beginner     | BD2KT1 - Building and Structural Design and Analysis Keynote   | Join Bentley executives in this session as they provide insight into Bentley's product offerings for those involved in designing, constructing, or operating buildings and structures. You'll discover the key advantages of the company's newest offerings and learn about Bentley's product strategies and key innovations.   | 113C  |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture  | Beginner     | BD2LC1 - AECOSim Building Designer: Mechanical Practices and Tips and Tricks                         | Learn how to configure and use the mechanical design capabilities of AECOSim Building Designer to meet specific project and organizational requirements.  | 113C  |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | BD2LC2 - Simplifying BIM Projects with ProjectWise Managed Workspaces                                | See how ProjectWise managed workspaces greatly simplify the administration and setup of BIM projects with the latest AECOSim Building Designer product.   | 113B  |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Workshop | Beginner     | BD2WK1 - Exploring Bentley and Revit Workflows   | This hands-on session will show you how to incorporate Revit into your project review workflows, by using the i-model plug-in for Revit to create i-models directly from Revit. Learn how Bentley Navigator V8i can then use these i-models for sectioning, element grouping, markup creation and clash detection. We will wrap up the course by producing 2D PDFs of markup sets, and 3D PDFs of clashes and buildings.  | 111B  |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture  | Beginner     | BD2LC3 - Bentley Facilities Product Overview   | Learn about the key issues facing today's facility managers and how Bentley Facilities can help owners meet these challenges. See why facility management is becoming more important to facility owners and how to begin capturing and leveraging this data using Bentley Facilities.   | 113B  |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture  | Beginner     | BD2LC4 - Best Practices for Successful BIM Implementations   | Join us and discover what we have learned from conducting BIM workshops around the world, including many successful USACE projects. Discover what BIM really is, what you can do to ensure a successful BIM rollout, what the advantages of BIM are, and how BIM saves you time.  | 113C  |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | Beginner     | BD2LC5 - How Bentley Helps Revit Users in Building Delivery and Operations                           | Find out how Revit workflows can be supported when team members are in multiple remote locations. ProjectWise manages both RVT files and Revit Standard Family files. Join us for this informative session and learn how Revit models can easily be shared with the extended project team through 3D PDFs and a web viewer.   | 113C  |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Intermediate | BD2WK3 - AECOSim Building Designer: Integration with ProjectWise, Configuration, and Setup           | Discover how to simplify and centralize project administration with ProjectWise managed workspaces. This capability provides a single point of administration for building applications, the dataset, projects, and standards.  | 111B  |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Intermediate | BD2WK4 - Bentley AECOSim - Building Energy Simulation Powered by EnergyPlus                          | Using latest generation of the AECOSim Energy Simulator, learn how to use building simulation from conceptual to detailed design to make accurate predictions of the annual energy consumption, cost, and CO2 emissions of your building while using local weather data, actual wall/partition/glazing construction data, complex HVAC systems and the EnergyPlus simulation engine.  | 109B  |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | Beginner     | BD2LC6 - BIM for Retail: Case Study  | While BIM has been widely adopted to speed and improve the design process, it has also been used by owners to meet operational needs. Learn how Barclays Bank PLC has benefitted from using Bentley BIM solutions to track and manage their over 1,600 U.K. retail stores.  | 113C  |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | Intermediate | BD2LC7 - New Possibilities Through Generative Design: Sustainable Parametric Design                  | Parametric design permits agile responses to variable design constraints such as sustainable performance, resource availability, urban context, integrated design, and construction requirements. Learn about performance-oriented, adaptable design methodology capturing design concepts from detail to urban scales in pursuit of exceeding project goals. This session will examine parametric approaches using case studies and the group will design a component responding to aesthetic, thermal performance, and fabrication goals. | 113B  |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Beginner     | BD3WK1 - AECOSim Building Designer: Exploring the New Architectural Features                         | Gain hands-on experience with some of the key new architectural product features of Bentley's AECOSim Building Designer application.  | 111B  |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Intermediate | BD3WK2 - AECOSim Building Designer: Task-Based Interface Customization                               | Learn how to create and modify task bars, make icons for commands, and use named expressions to control command visibility.   | 109B  |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Beginner     | BD3WK3 - New Possibilities Through Generative Design: Get Behind the Wheel                           | Get hands-on experience with this introductory-level workshop on the use of generative design to solve practical real-world design challenges. In this session, you will create a building schematic massing model using Generative Components to explore a variety of what-if scenarios.   | 107B  |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Intermediate | BD3WK4 - Maximizing Productivity Across your Structural Team   | Learn how to efficiently exchange structural data among many structural applications, including third party products such as Revit and Tekla through Bentley's Integrated Structural Modeling (ISM). Move structural models through a suite of products, create an IFC file and a 3D PDF, use with Bentley Navigator for clash detection, and work with the Structural Synchronizer View iPad App.  | 110AB |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | Beginner     | BD3LC3 - An Introduction to AECOSim Energy Simulator: From Conceptual Design to Integration with BIM | Gain an introduction to the latest generation of Bentley AECOSim Energy Simulator, including using the software for conceptual design to get energy performance results in fewer than 12 steps. See AECOSim Energy Simulator's capabilities for importing DGN, DWG, DXF, and gbXML files and then quickly converting them into energy performance simulation models.  | 113C  |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Workshop | Advanced     | BD3WKS - Multidisciplinary Coordination Best Practices   | This workshop covers best practices for clash detection, including how to share markups with a project team. Gain hands-on experience using a sample project and advanced techniques for detecting and resolving clashes within building information models.  | 111B  |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Beginner     | BD3WK6 - Parametric Cell Studio  | This hands-on workshop introduces the basic concepts of paths, constraints, components and variables in Parametric Cell Studio.   | 109B  |

|                   |                     |          |              |  |  |      |
|-------------------|---------------------|----------|--------------|--|--|------|
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | All          | BD3LC10 - Making AECOSim Building Designer Work for You                              | Nigel Davies, U.K.-based BIM expert and long-time Bentley user, will explain how to roll out AECOSim Building Designer so that it meets your office requirements. He will provide insight into key tools, how to upgrade existing company datasets, what to do about existing projects, how to set up dynamic views to match company standards, and how to change detailing symbols to match drawing requirements. If you are already using Bentley building products, you should consider attending this session. | 113B |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | Intermediate | BD3LC4 - AECOSim Energy Simulator: HVAC Systems and Automated Standards Compliance   | Building on the EnergyPlus simulation engine from the U.S. Department of Energy, Bentley AECOSim Energy Simulator features a wide variety of HVAC systems and equipment. This session demonstrates how users can quickly create, modify, and simulate complex HVAC systems and automate calculations to demonstrate compliance with ASHRAE Standard 90.1 - for use in mandatory standards and the USGBC's LEED rating system.  | 113C |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | Beginner     | BD3LC5 - Structural Document Production in AECOSim Building Designer                 | See the new structural capabilities and exciting new features in AECOSim Building Designer. You'll also learn about handy tips and tricks, and best practices to improve your structural design and documentation workflows.   | 113B |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Workshop | Beginner     | BD3WK7 - Navigator: Building Schedule Simulation Tips and Tricks                     | Learn best practices for schedule simulation and gain hands-on experience using a sample project.  | 111B |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Intermediate | BD3LC6 - Speeding Stakeholder Buy-In With Stunning Visualizations                    | Learn how to produce a variety of stunning renderings and vignettes within your BIM application in order to secure buy-in and improve communication with stakeholders during design review. See how you can produce and deliver high-quality rendered presentations of your building projects.   | 113C |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Beginner     | BD3LC7 - Where in the World Are You: Geospatially Locating Bentley BIM Projects      | Find out how to leverage MicroStation geocoordination capabilities to geospatially locate BIM projects.  | 113B |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop | Intermediate | BD3WK8 - Turn the Lights on with AECOSim Building Designer                           | This session is for electrical engineers and designers, and introduces tips and tricks for configuring AECOSim Building Designer's electrical systems, automating repetitive electrical design, and interacting with Visual Pro and lighting visualization. Also included is a look at new product features.   | 111B |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture  | Beginner     | BD3LC8 - AECOSim Building Designer: Architectural Practices and Tips and Tricks      | Learn the latest productivity-enhancing tips and tricks to improve your architectural workflows using AECOSim Building Designer.   | 113C |
| Thursday, May 17  | 8:00 AM - 8:45 AM   | Lecture  | Intermediate | BD4LC1 - Capturing and Leveraging Building Information                               | Unlock the data in your information models by using i-models to access embedded data for downstream use. See how you can access this data and quickly use it for many purposes (QTO, operations, and more).  | 113C |
| Thursday, May 17  | 8:00 AM - 9:45 AM   | Workshop | Intermediate | BD4WK1 - AECOSim Building Designer: Unraveling the Mystery of the Datagroup Systems  | Learn how to customize the components of the datagroup system in AECOSim Building Designer to improve drawing annotation, schedules, and other custom reports.   | 111B |
| Thursday, May 17  | 8:00 AM - 9:45 AM   | Workshop | Beginner     | BD4WK2 - You Still Need Drawings? Dynamic Views and Drawing Production               | Discover best practices for producing drawings in AECOSim Building Designer and gain hands-on experience using a sample project. Also gain an introduction to hypermodels as a means of integrating project information and documentation within the spatial context of the 3D model.  | 109B |
| Thursday, May 17  | 9:00 AM - 10:45 AM  | Lecture  | Intermediate | BD4LC2 - Everything New in AECOSim Building Designer                                 | See the key new enhancements delivered in the recently released AECOSim Building Designer. Discover the best new capabilities across all four disciplines that you can take advantage of right away in your integrated BIM workflows.  | 113C |
| Thursday, May 17  | 11:00 AM - 11:45 AM | Lecture  | Beginner     | BD4LC3 - Building and Structural Executive Roundtable Discussion and Closing Remarks | Join users, designers, Bentley experts, and other building professionals in sharing information, expertise, and ideas about building design, modeling, documentation and interoperability  | 113C |
| Thursday, May 17  | 1:00 PM - 1:45 PM   | Lecture  | All          | BD4DNP1 - Building User Council Meeting  | Building User Council Meeting  | 113C |
| Thursday, May 17  | 2:00 PM - 3:45 PM   | Lecture  | All          | BD4DNP2 - Building User Council Meeting - Architecture                               | Building User Council Meeting - Architecture   | 113C |
| Thursday, May 17  | 1:00 PM - 2:45 PM   | Workshop | Advanced     | BD4WK3 - Smooth Transition to AECOSim Building Designer: Migrating Datasets          | This workshop prepares you to smoothly migrate your existing Bentley BIM datasets for use with AECOSim Building Designer.  | 111B |
| Thursday, May 17  | 3:00 PM - 4:45 PM   | Workshop | Advanced     | BD4WK4 - Smooth Transition to AECOSim Building Designer: Migrating Projects          | This workshop helps you plan and execute a smooth migration of your existing Bentley BIM projects for use in AECOSim Building Designer.  | 111B |

| Communications    |                     |               |              |  |  |                    |
|-------------------|---------------------|---------------|--------------|--|--|--------------------|
| Day               | Time                | Type          | Level        | Session  | Description  | Room               |
| Tuesday, May 15   | 10:00 AM - 10:45 AM | Lecture       | All          | CM2LC1 - What's New in Bentley Communications  | Get up to speed on the latest features and innovations in Bentley's communications products. Topics include enhancements for WDM, fiber circuit layout record reporting, fiber auto-routing, route location, and more.   | 115B               |
| Tuesday, May 15   | 11:00 AM - 11:45 AM | Lecture       | All          | CM2LC2 - An Introduction to the All-New Bentley Communications PowerView                                       | Bentley Communications PowerView is replacing Bentley PowerMap Field. Learn how Bentley Communications PowerView accelerates field data collection, as-built reporting, and other field applications.  | 115B               |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture       | All          | CM2LT3 - Thematic Mapping and Spatial Analysis for Enhanced Operations   | All new "real world" examples update this very popular session from 2011. Serviceability and capacity management examples from the communications industry illustrate how thematic mapping and spatial analysis tools in Bentley Map and related products solve common field challenges and enhance general operations tasks such as QC, data analysis, and reporting.   | 115B               |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture       | All          | CM2LC4 - Precision Contracting Services Accelerates Fiber Network Design with Bentley Software                 | Learn how Precision Contracting Services used Bentley technology to achieve ambitious permit and construction goals for a new county-wide fiber network.   | 115B               |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop      | Intermediate | CM2WK1 - Outside Plant Fiber: Test Drive the Newest Features in Bentley Fiber                                  | In this hands-on workshop you'll learn to use the latest Bentley Fiber features for design and management of outside plant fiber networks. Topics include enhancements addressing WDM architectures, on the fly fiber node internal configuration, and granular splice enclosure design.   | 117                |
| Tuesday, May 15   | 5:00 PM - 5:45 PM   | Lecture       | All          | CM2RT1 - Driving Business Growth for Engineering Contractors   | Bentley remains committed to the success of engineering contractors. Join your peers in this roundtable to provide feedback that will help align future Bentley offerings to the evolving challenges and opportunities facing the contractor community.  | 115B               |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop      | Beginner     | CM3WK1 - High Productivity Tools for Inside Plant Network Design   | In this workshop, learn first-hand how Bentley Inside Plant accelerates the design and documentation of networks found in head-ends, points-of-presence, central offices, and other sites. Experience tools that maintain data consistency across projects, reduce design time, perform engineering calculations, and automate reports such as equipment lists, bills of material, and logical schematics.   | 117                |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture       | All          | CM3LC1 - Rainbow Design Services Speeds Disaster Assessment and Recovery with Bentley Technology               | Following an F5 tornado in Tuscaloosa, Alabama, Rainbow Design Services delivered a city-wide disaster assessment to Comcast in just ten days. Hear what made this possible and how it helped accelerate Comcast's disaster recovery.  | 115B               |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture       | All          | CM3LC2 - Network Intelligence at Your Fingertips: Previewing Bentley Communications Mobile Mapping for Android | Get a sneak peak at an upcoming product for tablet devices that lets field technicians conveniently access up-to-date, seamless network mapping and documentation. Learn how this solution will improve routine operations and address the unique needs of first responders.   | 115B               |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop      | Intermediate | CM3WK2 - Get Even More from Bentley Coax   | This interactive workshop will increase your proficiency in Bentley Coax with exercises for those with intermediate and advanced capabilities. Learn how to split coaxial network nodes in a spatial environment, leverage new system powering options, and address equipment file considerations.   | 117                |
| Wednesday, May 16 | 5:00 PM - 5:45 PM   | Lecture       | All          | CM3RT1 - Leveraging New Mobile Technologies to Streamline Field Operations                                     | New mobile devices and operating environments are becoming ever more prevalent in the marketplace offering unprecedented opportunities for automating field work. Join this roundtable to interact with your industry peers, Bentley technologists, and executives as we discuss current and future mobile applications. Explore the technical and business requirements for leveraging these technologies more deeply in utilities and communications network operations. | 115B               |
| Wednesday, May 16 | 6:00 PM - 9:00 PM   | Lecture       | All          | CM3DNP1 - Communications Industry Reception  | Join your industry peers for a networking reception in the Live Zone   | 115B               |
| Thursday, May 17  | 9:00 AM - 11:45 AM  | Lecture       | All          | CM4DNP1 - MSO User Group Meeting Hosted by Time Warner Communications  | This user meeting is for Multi-System Operators using or interested in using Bentley's communications products. Interact with peers to share best practices and engage Bentley software developers to influence future product releases.   | 115B               |
| Thursday, May 17  | 12:00 PM - 12:45 PM | Special Event | All          | CM4DNP2 - Communications Industry Luncheon   | Join your industry peers for a networking lunch.   | Broad Street Lobby |
| Thursday, May 17  | 1:00 PM - 1:45 PM   | Lecture       | All          | CM4DNP3 - MSO User Group Meeting Hosted by Time Warner Communications (continued)                              | A continuation of the user meeting for Multi-System Operators using or interested in using Bentley's communications products.  | 115B               |

**Engineering Information Management**

| Day               | Time                | Type     | Level        | Session   | Description   | Room |
|-------------------|---------------------|----------|--------------|---|---|------|
| Tuesday, May 15   | 11:00 AM - 11:45 AM | Lecture  | All          | IM2KT1 - Bentley Information Management Keynote   | This session describes how Bentley's Engineering Information Management solutions for the enterprise, ProjectWise and AssetWise, help sustain infrastructure throughout the lifecycle.  | 103A |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture  | All          | IM2LC1 - Addressing Information Management Challenges with ProjectWise and eB                           | This session shows how organizations leverage ProjectWise and eB software together to address information management challenges.  | 103A |
| Tuesday, May 15   | 1:00 PM - 2:45 PM   | Workshop | Beginner     | IMPW2WK3 - ProjectWise for Autodesk Users   | Get hands-on user perspectives of ProjectWise services for those deploying AutoCAD and Revit. You'll learn how ProjectWise can address the project team collaboration needs of AutoCAD and Revit users.   | 104A |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture  | All          | IM2LC2 - Bentley Engineering Information Management Across the Enterprise                               | This panel discussion with Bentley users illustrates why organizations look to Bentley's Engineering Information Management solutions, ProjectWise and AssetWise, to help improve performance capabilities and operational processes throughout the lifecycle of change. Panelists discuss how implementing Bentley solutions support mission-critical enterprise-level activities across the enterprise. | 103A |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | All          | IMAW2LC1 - Key Capabilities in eB Insight   | In this session, learn about the latest features and capabilities available in eB Insight.  | 103A |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Beginner     | IMPW2WK1 - ProjectWise for MicroStation/Navigator users   | This seminar is a hands-on introduction to the capabilities provided by ProjectWise for MicroStation and Bentley Navigator users. This information can also be applied to design apps that run on top of MicroStation.  | 104A |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Advanced     | IMPW2WK2 - Getting the most out of ProjectWise InterPlot  | In this hands-on workshop, learn how to get the most out of ProjectWise InterPlot for automated production of intelligent project deliverables for both hard-copy and digital renditions. From features to tips, learn how to produce deliverables that best match the needs of your organization.  | 104B |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | Advanced     | IMPW2LC1 - Tips and Tricks for the ProjectWise Administrator  | This seminar, designed for the ProjectWise administrators, shows you how to deploy ProjectWise more effectively for your organization.  | 105B |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | Beginner     | IMPW2LC2 - Information Mobility: An Introduction to ProjectWise Collaboration Services                  | This preliminary session is for all users interested in hearing what all the excitement around ProjectWise is about. We will show you the value of ProjectWise Collaboration Services and how they address the common challenges facing your projects.  | 103B |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | All          | IMAW2LC2 - Records Management for Design and Operations   | Learn how to use eB to effectively perform records management with a focus on design workflows. Topics include defining and enforcing the retention and disposition plans and policies for your organization, and industry standards compliance including DoD 5015.2 and MoReq for the management of records and documents.   | 103A |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | Beginner     | IMPW2LC3 - Content Reuse (Publishing) 101   | This session discusses the different options Bentley provides for publishing project information to help you determine which one is right for you. It presents an overview of basic to advanced publishing features to guide you to the right solution for your organization.   | 105B |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | Intermediate | IMPW2LC4 - What's New in Work Sharing: ProjectWise Integration Server V8i                               | This session is designed for ProjectWise administrators and users and focuses on the exciting new features in the ProjectWise (SELECTseries 4) release.   | 103B |
| Tuesday, May 15   | 5:00 PM - 5:45 PM   | Lecture  | All          | IMAW2LC3 - AssetWise in Transportation  | Learn how Bentley's AssetWise in Transportation product meets the diverse and specific needs of operational asset management departments. It covers the entire lifecycle of asset inventory, traffic, condition, maintenance activities, structures, and safety.  | 103A |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Advanced     | IMPW3WK5 - Sharpening Your ProjectWise Integration Server Administration Skills                         | This session provides ProjectWise administrators a unique hands-on opportunity to try out new skills with a primary focus on new capabilities in the ProjectWise V8i generation of products.  | 104A |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | All          | IM3LC1 - Bentley Transmittals   | This session describes how Bentley Transmittals provides a world-class transmittal and submittal application for ProjectWise and eB users.  | 103A |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | All          | IM3LC2 - Digital Rights Management for Enhanced Security of Intellectual Property in ProjectWise and eB | In this session learn how digital rights management capabilities in the optional services of ProjectWise and eB further enhance the security of intellectual property, such as design deliverables, transmittals, project records, and operational documents that are shared among stakeholders.  | 103A |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | IMPW3WK1 - Bentley Transmittals with ProjectWise  | In this workshop see how the capabilities of the new Bentley Transmittals product make the transmittals process much easier and efficient for organizations using ProjectWise.  | 104A |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Beginner     | IMPW3WK2 - ProjectWise for Autodesk Users   | Get hands-on user perspectives of ProjectWise services for those deploying AutoCAD and Revit. You'll learn how ProjectWise can address the project team collaboration needs of AutoCAD and Revit users.   | 104B |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | All          | IMAW3LC1 - Industry Panel - The Benefits of Asset Lifecycle Information Management for Operations       | A panel of industry experts discuss the benefits of asset lifecycle information management (ALIM) for operations including managing the lifecycle of asset information, improving infrastructure operations, reducing capital and operating expenditures, and increasing return on assets (ROA).  | 103A |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | Intermediate | IMPW3LC1 - What's New in Dynamic Feedback: Bentley Navigator V8i  | This session is designed for existing Bentley Navigator users and will focus on exciting new features in the Bentley Navigator (SELECTseries 4) release.  | 105B |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | Intermediate | IMPW3LC2 - What's New in ProjectWise Content Reuse (publishing)   | This seminar is designed for CAD, technical, and ProjectWise managers to provide an overview of the latest advancements across all of the ProjectWise publishing products, including ProjectWise InterPlot, ProjectWise Dynamic Composition Server, and ProjectWise Dynamic Plot.   | 103B |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | All          | IMAW3LC2 - Case Study: AssetWise for Nuclear and Power Generation                                       | Ameren and Bentley representatives describe how Bentley's eB products can help improve operations and maintenance, engineering modifications, and regulatory compliance at nuclear facilities.  | 103A |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | workshop | Beginner     | IMPW3WK3 - ProjectWise Integration Server Test Drive  | This hands-on session is designed for new users interested in ProjectWise. It provides the opportunity to learn about the ProjectWise Collaboration system's capabilities.  | 104A |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop | Beginner     | IMPW3WK4 - Bentley Navigator Hands On   | This hands-on workshop for the senior engineer and technical manager provides an overview of Bentley Navigator. Key topics covered include creating i-models, authoring and managing markups/redline comments, and 3D navigation.   | 104B |

|                   |                     |          |              |   |   |      |
|-------------------|---------------------|----------|--------------|---|---|------|
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Advanced     | IMPW3LC3 - Best Practices for Configuring and Optimizing Security with ProjectWise V8i                              | This seminar, designed for ProjectWise administrators, illustrates how to configure ProjectWise and optimize its security settings. Key topics include document and folder security, methodologies for providing secure remote access, and expanding a ProjectWise collaboration system while maintaining security.   | 105B |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Intermediate | IMPW3LT1 - Introducing the ProjectWise Dynamic Composition Server   | In this session, learn about the latest ProjectWise product offering, the ProjectWise Dynamic Composition Server. See how the ProjectWise Dynamic Composition Server, which is designed for interactive and automated publishing of PDF, i-model, and raster renditions, boosts productivity, improves accuracy, and saves time and money when producing your project deliverables.                         | 103B |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture  | All          | IMAW3LC3 - Document Control for Design and Operations   | In this session, see how Bentley provides robust document control for your organization with a focus on operations workflows. The presentation covers the business case of using ProjectWise and eB to provide document control from design through operations.   | 103A |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture  | Intermediate | IMPW3LC4 - Case Study: ProjectWise and CTDOT  | This session provides an overview of CTDOT's Digital Project Development Manual. It describes how contract plans and their formats have evolved using PDF. CTDOT uses MicroStation V8i Print Organizer, BlueBeam, PDF, and ProjectWise Online to publish, post process, and deliver PDF plans for contract advertising. CTDOT's achievements and the challenges it encountered going digital are discussed. | 105B |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture  | Intermediate | IMPW3LC5 - PDF for AEC  | Join us as we review recent advancements in PDF publishing for AEC and look ahead at future PDF initiatives. Topics include publishing i-models for PDF, digital rights management and dynamic review for PDF.  | 103B |
| Wednesday, May 16 | 5:00 PM - 5:45 PM   | Lecture  | All          | IMAW3LC4 - Enterprise Integration Using AssetWise   | In this session find out how to ensure that all affected information is taken into account when planning and managing changes to assets and asset information. eB provides quality controlled asset information via automated integration to upstream and downstream enterprise systems such as SAP and Maximo.   | 103A |
| Thursday, May 17  | 8:00 AM - 8:45 AM   | Lecture  | All          | IM4LC1 - Best Practices for Organization wide Implementations of eB and ProjectWise                                 | In this session, learn the best practices for implementing eB and ProjectWise across your entire organization.  | 103A |
| Thursday, May 17  | 1:00 PM - 2:45 PM   | Workshop | Intermediate | IMPW4WK1 - Manage Point Clouds in ProjectWise V8i (SELECTseries 4)  | In this hands-on workshop, learn how point clouds can be efficiently and securely streamed and managed on demand in collaboration projects. ProjectWise eliminates uncontrolled point-cloud data, and lets you access point clouds by downloading only the part that is needed for a particular project.  | 104B |
| Thursday, May 17  | 8:00 AM - 9:45 AM   | Workshop | Beginner     | IMPW4WK2 - ProjectWise Dynamic Plot Test Drive  | In this hands-on workshop, learn how to configure, administer and use ProjectWise's Dynamic Feedback (Review) product for paper: the Dynamic Plot Service. From setup to markup synchronization with original design content, this workshop will walk you through the basics to help get your organization up to speed on the value the new ProjectWise Dynamic Plot Service provides.                      | 104B |
| Thursday, May 17  | 8:00 AM - 9:45 AM   | Workshop | Intermediate | IMPW4WK6 - Best Practices on using ProjectWise Geospatial Information   | In this workshop for ProjectWise users, learn how to administer your database to improve the performance and usefulness of geospatial information. Learn how to index and navigate geospatially enabled data sources, create spatial locations, search using geospatial criteria, and review set-up.  | 104A |
| Thursday, May 17  | 9:00 AM - 9:45 AM   | Lecture  | All          | IMAW4LC1 - Visualization and Mobility in Operations   | This session previews how eB and Bentley Navigator form the basis for the AssetWise Visualization platform and mobility and provides a robust reporting tool for operations.  | 103A |
| Thursday, May 17  | 9:00 AM - 9:45 AM   | Lecture  | Intermediate | IMPW4LT1 - ProjectWise and Mobility   | This session is designed for users who are interested in mobile technologies. See how Bentley incorporates mobile workflows. Topics of discussion include accessing, viewing, and redlining project content from mobile devices like the iPad.  | 105B |
| Thursday, May 17  | 9:00 AM - 9:45 AM   | Lecture  | Intermediate | IMPW4LC1 - CH2M-Hill and ProjectWise Project Templates, Project Portals and Reporting                               | In this presentation, CH2M-Hill details how it deployed ProjectWise as its enterprise-ready application. It needed a central content management system for distributed, work-in-progress documents that was easy to setup and maintain to support thousands of projects and users. The configuration needed to be scalable and flexible for future acquisitions and growth.                                 | 103B |
| Thursday, May 17  | 10:00 AM - 10:45 AM | Lecture  | All          | IMAW4LC2 - Case Study: Southern Company uses eB Data Quality Manager for Asset Management and Ensuring Data Quality | In this session, learn how Southern Company has configured and deployed eB Data Quality Manager, formerly called Lifecycle Server, for asset lifecycle information management (ALIM). Southern Company representatives discuss and demonstrate their methodologies, best practices, and ROI.  | 103A |
| Thursday, May 17  | 10:00 AM - 11:45 AM | Workshop | Intermediate | IMPW4WK3 - ProjectWise Dynamic Composition Server   | In this hands-on workshop, learn how to configure, administer and use ProjectWise's latest product, the ProjectWise Dynamic Composition Server. From setup to automated and interactive production of renditions like PDF, this workshop walks you through the basics and demonstrates the value the ProjectWise Dynamic Composition Server provides.   | 104A |
| Thursday, May 17  | 10:00 AM - 11:45 AM | Workshop | Advanced     | IMPW4WK4 - Sharpening Your ProjectWise Integration Server Administration Skills                                     | This session provides ProjectWise administrators a unique hands-on opportunity to try out new skills with a primary focus on new capabilities in the ProjectWise V8i generation of products.  | 104B |
| Thursday, May 17  | 10:00 AM - 10:45 AM | Lecture  | Intermediate | IMPW4LC2 - Design Review with ProjectWise and Bluebeam  | Learn firsthand how ProjectWise is used with Bluebeam to facilitate PDF design review. Take a sneak peek at the latest innovation around PDF in action: the Dynamic Review for PDF.   | 105B |
| Thursday, May 17  | 11:00 AM - 11:45 AM | Lecture  | All          | IMAW4LC3 - Making the Move to the Cloud: How to Overcome Objections to Implementing Cloud-Based SaaS Applications   | In this session, learn how to sell your organization on the benefits of moving to cloud computing. The discussion includes the availability of service, security, and auditability of company data, as well as performance issues.  | 103A |
| Thursday, May 17  | 11:00 AM - 11:45 AM | Lecture  | Intermediate | IMPW4LC4 - What's in ProjectWise for the MicroStation/CAD User?   | In this seminar, learn how ProjectWise helps MicroStation and CAD users find information, collaborate with others, and publish deliverables.  | 105B |

|                  |                     |          |              |  |  |      |
|------------------|---------------------|----------|--------------|--|--|------|
| Thursday, May 17 | 11:00 AM - 11:45 AM | Lecture  | Intermediate | IMPW4LC5 - Case Study: Managed Workspaces  | In this presentation, Dewberry discusses the benefits of using managed workspaces. Find out what to include and exclude when setting up a managed workspace; what to consider when adding sub consultants to ProjectWise; how to integrate InRoads and GEOPAK, and configure useful variables and best practices to solve workflow issues.   | 103B |
| Thursday, May 17 | 1:00 PM - 2:45 PM   | Workshop | Beginner     | IMPW4WK5 - Bentley Transmittals with ProjectWise   | In this workshop, discover the capabilities of Bentley Transmittals and how it made the transmittals processes much easier and efficient for organizations using ProjectWise.  | 104A |
| Thursday, May 17 | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | IMPW4LC6 - Strategies for Enterprise Adoption of ProjectWise   | This session will provide guidance for the effective, organization-wide adoption of ProjectWise. We will discuss strategies for success in the areas of scalability, availability, usability, implementation and organizational change.  | 105B |
| Thursday, May 17 | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | IMPW4LC7 - ProjectWise Virtualization and Deployment Options (on-premise, on-line, Amazon, Citrix, VMware) | ProjectWise offers a broad range of deployment options ranging from on-premise to "in the cloud." In this session for existing Project Administrators, hear about the pros and cons of each option and best practices from our experienced Professional Services staff.  | 103B |
| Thursday, May 17 | 1:00 PM - 1:45 PM   | Lecture  | All          | IMAW4LC4 - Controlling Costs and Risks Using Integrated Contract Management                                | In this session, learn how eB Contract Administration supports a business-standard contract-management model that includes well-known contract administration capabilities. Examples include contract visibility and awareness, document management, records management including transmittals, storage and archival, and communication management while supporting industry standards including NEC3.   | 103A |
| Thursday, May 17 | 2:00 PM - 2:45 PM   | Lecture  | All          | IMAW4LC5 - Case Study: Configuration Management for Proper Project Planning                                | In this session, learn how Bentley's eB products can help you employ a robust configuration management system that interacts with other enterprise systems and portal technologies such as SAP, Maximo, and SharePoint. This session describes how eB ensures information integrity through a robust, built-in change management function that manages information assets and their relevant relationships through a best-practice process.  | 103A |
| Thursday, May 17 | 2:00 PM - 2:45 PM   | Lecture  | Intermediate | IMPW4LC8 - Case Study: ProjectWise in the "Private Cloud"  | In this session, HNTB describes the benefits of using virtualization technologies with ProjectWise. Topics include: virtualization and its different components; using virtual machines; the effects on performance and costs; and the future of virtualization.   | 105B |
| Thursday, May 17 | 3:00 PM - 3:45 PM   | Lecture  | All          | IMAW4LC6 - Engineering Information in Utilities  | Learn how Bentley's Engineering Information Management in the utilities industry helps reduce business risk, improve project predictability, and avoid costly penalties.   | 103A |
| Thursday, May 17 | 2:00 PM - 2:45 PM   | Lecture  | Beginner     | IMPW4LC9 - ProjectWise for Revit Users   | Designed for ProjectWise administrators and BIM coordinators, this seminar describes how ProjectWise can manage Revit projects and data. Key topics include how ProjectWise optimizes Revit project workflows, ProjectWise services for Revit users, and how Revit data is transformed for dynamic collaboration.  | 103B |
| Thursday, May 17 | 3:00 PM - 3:45 PM   | Lecture  | Intermediate | IMPW4LC10 - Case Study: Campus Information Management  | Campus information management (CIM) is an enabling backbone supported by architectural software applications configured to intelligent information model workflows. CIM provides sustainability in information management as it supports the engineering, facility, utility, maintenance, and operational user with integrated data-rich content. CIM allows campus owner-operators to efficiently view, collect, maintain, and manage asset data during design, construction, and operations. This allows them to link and synchronize with asset information management and enterprise management systems to improve planning, engineering, and maintenance operational time. This reduces costs and enables them to better manage and report on facility and infrastructure assets. | 105B |
| Thursday, May 17 | 3:00 PM - 3:45 PM   | Lecture  | Intermediate | IMPW4LC11 - Case Study: Collaborating on Transportation Projects   | The demand for immediate project data access from anywhere during the design or construction phase of a project has become increasingly important. This presentation demonstrates how Hanson Professional Services Inc. implements and uses ProjectWise integrated with SharePoint to successfully manage civil engineering projects.  | 103B |

| Geospatial        |                     |          |              |  |  |      |
|-------------------|---------------------|----------|--------------|--|--|------|
| Day               | Time                | Type     | Level        | Session  | Description  | Room |
| Monday, May 14    | 3:00 PM - 4:45 PM   | Lecture  | All          | GE1LC1 - Mayberry to Metropolis - Using Technology to Drive Economic Development   | This presentation describes how the City of Charlotte used engineering technology and infrastructure planning to win the economic development battle against other cities in the region. Discussion topics include how the proper use of transportation and infrastructure planning and engineering tools can make a difference for cities and counties.   | 115C |
| Tuesday, May 15   | 10:00 AM - 10:45 AM | Lecture  | All          | GE2KT1 - Geospatial Keynote: Live Technology in Action   | In this session, geospatial product managers demonstrate three key workflows that can be achieved with Bentley's latest geospatial platform technology.  | 115C |
| Tuesday, May 15   | 11:00 AM - 11:45 AM | Lecture  | All          | GE2LC1 - User presentation - Updating raster nautical chart production with Bentley Map Enterprise                                 | NOAA's Office of Coast Survey is responsible for producing the suite of nautical charts that covers the coastal waters of the U.S. and its territories, supporting maritime operations throughout America's network of oceans, rivers, canals, locks, and dams. This presentation describes the challenges encountered, solutions achieved, and opportunities identified by the Marine Chart Division as it transitions its raster nautical chart production process from an older software configuration to one using Bentley Map Enterprise. | 115C |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture  | All          | GE2LC4 - User Presentation: Working with the ProjectWise ArcGIS Connector Data   | This presentation discusses the advantages of using the ProjectWise ArcGIS Connector. How it works and how it is leveraged in a design environment using MicroStation to read the intelligent attributes stored as XFM data is explored.   | 116  |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture  | All          | GE2LC2 - Point-Cloud Processing and Large Scalable Terrain Model Extraction with the Latest Bentley Descartes V8i (SELECTseries 3) | Whatever class of infrastructure you work with, from road, rail, and bridges to buildings, substations, plants, and facilities, the latest version of Bentley Descartes advances information modeling workflows and increases the return on investment for your data, including very large datasets such as point clouds and scalable terrain models.  | 115C |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | All          | GE2WK1 - Process and Manage Point Clouds with the Latest Version of Bentley Descartes  | This hands-on workshop guides you through point-cloud data processing using the new advanced point-cloud processing functionality in Bentley Descartes V8i (SELECTseries 3). How to create a scalable terrain model from a point cloud is also discussed.  | 116  |
| Tuesday, May 15   | 5:00 PM - 5:45 PM   | Lecture  | All          | GE2LC3 - 2D/3D Web-enabled GIS   | This session shows you how GIS and CAD data is used to provide powerful interactive maps to users in multiple disciplines, as well as how to publish 3D data.  | 115C |
| Wednesday, May 16 | 10:00 AM - 10:45 AM | Lecture  | All          | GE3RT1 - Geospatial Technology Roundtable  | This informal roundtable discusses product futures, potential new capabilities, and general product ideas. This is your chance to influence future product development.  | 115C |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | All          | GE3WK2 - Introduction to Bentley Map V8i (SELECTseries 3) Development Capabilities   | Bentley Map V8i (SELECTseries 3) offers multiple opportunities for Bentley developers. This session introduces you to Bentley Map's existing and new development capabilities.   | 116  |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | All          | GE3LC1 - Bentley Geospatial Server, a Federated Approach to Managing Information   | This session describes how Bentley Geospatial Server helps you manage, edit, index, and plot structured and unstructured data, decreasing any poor decision-making risks associated with unmanaged information.  | 115C |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | All          | GE3LC2 - Using Spatial Databases (Oracle and SQL Server) Efficiently with Bentley Geospatial Products                              | Learn how to leverage your spatial databases with Bentley Geospatial products such as Bentley Map.   | 115C |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | All          | GE3LC3 - What's New in Bentley Map V8i (SELECTseries 3)?   | This session highlights the latest enhancements to Bentley Map, Bentley's flagship GIS product. Bentley Map's product manager presents and demonstrates the new features.  | 115C |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop | All          | GE3WK1 - Explore the Latest Bentley Map V8i (SELECTseries 3)   | Create a 3D GIS using the latest version of Bentley Map in this hands-on workshop.   | 116  |
| Wednesday, May 16 | 5:00 PM - 5:45 PM   | Lecture  | All          | GE3LC4 - Tips and Tricks for Bentley Map Users   | Uncover the hidden potential of Bentley's powerful desktop GIS product. Several useful tips and tricks are presented to make your Bentley Map user experience that much better.  | 115C |
| Thursday, May 17  | 8:00 AM - 9:45 AM   | Workshop | All          | GE4WK1 - Develop an Interactive Web GIS with Bentley Geo Web Publisher   | In this hands-on workshop, create a basic web-based GIS application using Bentley Geo Web Publisher.   | 116  |
| Thursday, May 17  | 10:00 AM - 10:45 AM | Lecture  | All          | GE4LC1 - 3D GIS - From Desktop and Server Applications to the iPad   | This session presents an interactive demonstration of 3D GIS workflows in Bentley Map. See the designed model being managed within ProjectWise, along with other engineering content, and sent to an iPad as an optimized i-model for 360-degree viewing and redlining.  | 115C |
| Thursday, May 17  | 11:00 AM - 11:45 AM | Lecture  | Intermediate | GE4LC2 - Point-Cloud Management in ProjectWise   | See how ProjectWise now provides the ability to manage any sized point cloud, even one with billions of points. ProjectWise eliminates the problems of uncontrolled point-cloud data floating around your organization. It efficiently streams point clouds and large raster files to practitioners who need to use them in their design workflows. Learn how ProjectWise complements Bentley Descartes and Pointools products for the processing and management of point clouds in your design workflows.                                     | 115C |

| Geotechnical      |                     |          |       |   |  |      |
|-------------------|---------------------|----------|-------|---|--|------|
| Day               | Time                | Type     | Level | Session   | Description  | Room |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | All   | GT2LC1 - Introducing GeoStructural Design and Analysis        | This presentation focuses on GeoStructural Analysis, the suite of programs designed to solve geotechnical problems such as foundation design, sheet-piling design, retaining-wall design, stability analysis, settlement analysis, and FEM analysis. Each program is designed to analyze a specific geotechnical task, but all programs are interoperable. Many of the GeoStructural Analysis programs provide gINT import of soil properties as required for geotechnical analysis. | 121B |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | All   | GT2LC2 - What's New in gINT V8i (SELECTseries 1)              | In the latest gINT release, enhanced management and reporting capabilities have been added to its extensive repertoire. This presentation reviews the latest additions to gINT and how geo professionals can more efficiently gather, manage, present, and report geotechnical data within gINT and external applications including Geospatial Web Publisher.  | 121C |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | All   | GT3WK1 - Integrating gINT with MicroStation and Bentley Civil | This workshop reviews how gINT data is connected to Bentley Civil software to generate digital terrain models of the soil layers; locate the boreholes in plan, profile and cross section views; and produce geotechnical plan sheets.   | 120C |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | All   | GT3LT1 - Answers to Commonly Asked Questions                  | This presentation answers commonly asked questions by gINT users. Find the answers to questions you share with other gINT users. Learn about Bentley's Geotechnical Forum and how to subscribe to share invaluable experiences and information with your peers.  | 121C |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | All   | GT3LT2 - Managing gINT in the Enterprise Environment          | This presentation addresses corporate management, reporting and utilization of subsurface data for all subsurface investigation projects performed by companies across multiple offices and various geographies. The presentation discusses good practices and shares the experiences of gINT users. It also discusses how to raise data from subsurface to the cloud (such as Amazon Elastic Compute Cloud - EC2).  | 121C |
| Thursday, May 17  | 8:00 AM - 8:45 AM   | Lecture  | All   | GT4LT1 - Using gINT Rules                                     | This presentation covers introductory programming (VBA) for gINT users and gINT managers who want to venture into the world of customization and automation with gINT Rules. Topics include the prerequisites and first steps needed to script and program in gINT and how to reuse gINT Rules posted on Bentley's Geotechnical Forum.   | 121C |
| Thursday, May 17  | 10:00 AM - 11:45 AM | Workshop | All   | GT4WK1 - Using gINT V8i                                       | In the latest release of gINT V8i, enhanced management and reporting capabilities have been added to its extensive repertoire. This workshop demonstrates how to use the latest additions to gINT and how they can help geo professionals more efficiently gather, manage, present, and report geotechnical data within gINT and external applications including Geospatial Web Publisher.   | 120C |

| MicroStation      |                     |          |              |   |  |       |
|-------------------|---------------------|----------|--------------|---|--|-------|
| Day               | Time                | Type     | Level        | Session   | Description  | Room  |
| Tuesday, May 15   | 10:00 AM - 11:45 AM | Workshop | Intermediate | MS2WK1 - Presenting Project Information Within the Context of the Model             | In this workshop, MicroStation's capability to link related project information using callouts, item sets, and linkages is discussed. As a work product of this session, you'll receive a hypermodel to share with your colleagues.  | 120A  |
| Tuesday, May 15   | 10:00 AM - 10:45 AM | Lecture  | Beginner     | MS2LC1 - Perpetual Software Flexibility Through SELECT's Annual Portfolio Balancing | This session for SELECT subscribers explains how to exchange underutilized licenses for new software titles through annual Portfolio Balancing. The session details the mechanics of exchanging software as well as the tools and support available to help you take advantage of this opportunity to mix your software titles each year on your anniversary date.   | 119AB |
| Tuesday, May 15   | 10:00 AM - 11:45 AM | Workshop | Advanced     | MS2WK8 - Configuring MicroStation and Controlling Standards                         | This hands-on workshop for MicroStation users and CAD administrators covers the powerful capabilities of MicroStation workspaces and configurations. Learn how to create the optimal configurations for users and your projects. Key topics include workspaces, configurations, and standards.   | 109B  |
| Tuesday, May 15   | 11:00 AM - 11:45 AM | Lecture  | Advanced     | MS2LC2 - Configurations, DGNLibs, and Workspaces - Putting It All Together          | This seminar designed for MicroStation users and CAD administrators examines the powerful capabilities of MicroStation workspaces and configurations. Learn how to create the optimal configurations for users and your projects. Key topics include workspaces, configurations, and standards.  | 119AB |
| Tuesday, May 15   | 11:00 AM - 11:45 AM | Lecture  | Intermediate | MS2LC3 - Efficiently Managing Project Information with MicroStation                 | This session for experienced MicroStation users helps you understand how to browse file content and index your DGNs for quick discovery of data and related information using ProjectWise Explorer.  | 126A  |
| Tuesday, May 15   | 1:00 PM - 2:45 PM   | Workshop | Advanced     | MS2WK3 - Configuring MicroStation and Controlling Standards                         | This hands-on workshop designed for MicroStation users and CAD administrators covers the powerful capabilities of MicroStation workspaces and configurations. Learn how to create optimal configurations for users and your projects. Key topics include workspaces, configurations, and standards.  | 120A  |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture  | Beginner     | MS2LC4 - Interoperability Enhancements for Sharing Data with Stakeholders           | Learn about the best options for providing project information from MicroStation to your project stakeholders with the appropriate level of detail. The session covers the use of new ODBC drivers, publishing of intelligent 3D PDFs and i-models, as well as a wide spectrum of other formats available for sharing and publishing both drawings and embedded model data.  | 119AB |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | MS2LC5 - Finishing Touches: Building Touch Screen Interfaces                        | This seminar for experienced MicroStation users interested in the new capabilities introduced in MicroStation V8i (SELECTseries 3) describes new touch-screen support in Windows 7. Learn to create your own touch screen menus, gestures, and interfaces.   | 126A  |
| Tuesday, May 15   | 1:00 PM - 2:45 PM   | Workshop | Beginner     | MS2WK4 - Get Your Hands on MicroStation V8i (SELECTseries 3)                        | This hands-on workshop designed for MicroStation users and CAD administrators provides an opportunity to experience the latest capabilities of MicroStation V8i (SELECTseries 3). Learn how innovations in MicroStation enable you to be more productive and consistent. The session covers key topics including hypermodels, interoperability enhancements like civil terrain model and LandXML support, thematic visualization, and new productivity enhancements. | 120B  |
| Tuesday, May 15   | 1:00 PM - 2:45 PM   | Workshop | Advanced     | MS2WK5 - Making Movies: Advanced Animation Techniques                               | This workshop for the advanced MicroStation user focuses on animation tools, including keyframe animation, path-based animation, parametric animation, timelines, and preview tools.   | 126B  |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture  | Intermediate | MS2LC6 - Annotation Scale: What Are You Waiting For?                                | This seminar, designed for MicroStation users and CAD managers, explains how to implement annotation scale as part of your project standards, and integrate it into your drawing production workflows. Key topics include drawing composition, annotation scale, and standards management.   | 119AB |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Advanced     | MS2WK6 - Programming and Customizing MicroStation Using VBA                         | This hands-on workshop, designed for programmers and CAD administrators, introduces you to the various features of Visual Basic for Applications as implemented in MicroStation V8i. Several macros that demonstrate the process and options available will be created. The minimum requirement to attend this session is familiarity with Visual Basic programming.   | 120A  |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | Advanced     | MS2LC7 - Work the Way You Want: MicroStation Named Expressions                      | Learn how to show or hide tools, tasks, menus and features of MicroStation based on filenames, element types, and much more using MicroStation's named expressions. Use Named expressions to retrieve values from application data structures and properties of application data to customize MicroStation.  | 119AB |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture  | Beginner     | MS2LC8 - Speed Drawing Production with MicroStation V8i (SELECTseries 3)            | Learn how to take advantage of the new capabilities in MicroStation V8i (SELECTseries 3) to improve drawing production workflows. The focus is on hypermodels to speed design, review, and construction workflows.   | 126A  |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Beginner     | MS2WK7 - Working with MicroStation Print Organizer                                  | This hands-on workshop designed for MicroStation users and CAD administrators provides you with an opportunity to work with MicroStation's Integrated Print Organizer. Learn how to reliably produce consistent, intelligent deliverables. Among the key topics are sheet models, print styles, and PDF output.  | 120B  |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | Advanced     | MS2LC9 - Dependable Deployment: Streamlining Software and Standards Distribution    | This advanced lecture for CAD managers concentrates on creating the correct image of your MicroStation software and the associated standards in order to streamline delivery to multiple machines to ensure consistency and save time.   | 126A  |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | Beginner     | MS2LC10 - Tips and Tricks in MicroStation V8i (SELECTseries 3)                      | This seminar designed for MicroStation users and CAD managers covers the newest and coolest tips and trick for getting the most out of MicroStation V8i (SELECTseries 3).  | 119AB |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Advanced     | MS3WK1 - Programming and Customizing MicroStation Using VBA (Encore)                | This hands-on workshop designed for programmers and CAD administrators introduces you to the various features of Visual Basic for Applications as implemented in MicroStation V8i. Several macros that demonstrate the process and options available will be created. The minimum requirement to attend is familiarity with Visual Basic programming.  | 120A  |

|                   |                     |          |              |  |   |       |
|-------------------|---------------------|----------|--------------|--|---|-------|
| Wednesday, May 16 | 10:00 AM - 10:45 AM | Lecture  | Intermediate | MS3LC1 - A 360-Degree Review of 3D in MicroStation                                 | This lecture for the experienced MicroStation user offers an excellent overview of the wide range of 3D modeling capabilities available in MicroStation V8i. It describes which combination of these modeling toolsets is most effective for different types of designs.  | 119AB |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Intermediate | MS3WK2 - Optimizing Drawing Composition Workflows                                  | This hands-on workshop designed for MicroStation users and CAD administrators teaches you the best practices for optimizing your drawing production workflows. Learn how to properly integrate standards into those workflows. Key topics include dynamic views, sheet models, annotations, and styles.   | 120B  |
| Wednesday, May 16 | 10:00 AM - 10:45 AM | Lecture  | Intermediate | MS3LC2 - DWG Interoperability with MicroStation V8i                                | In this session, MicroStation users and administrators learn how to work with data in the DWG format and efficiently interchange that data with project participants. Key topics include Autodesk ReadDWG, standards, and batch operations.   | 126A  |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | Intermediate | MS3LC3 - Customizing the Task-based Interface in MicroStation V8i (SELECTseries 3) | This seminar designed for MicroStation users and CAD managers includes real-world examples of simple and advanced techniques for modifying task-based interfaces, including creating custom tools, icons, tasks, workflows, and named expressions. Key topics include user interface, task-based interfaces, and named expressions.   | 119AB |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | Intermediate | MS3LC4 - Immersive Interaction with Hypermodels                                    | Learn how to use hypermodels in MicroStation to link together related project information using callouts, item sets, and linkages and to streamline your workflows in 3D and 2D drawing production.   | 126A  |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | MS3WK3 - Working with DWG and Other Formats in MicroStation                        | This hands-on workshop is meant for MicroStation users and CAD administrators interested in learning how to work with data in DWG format and efficiently interchange that data with project participants. Key topics include Real DWG, standards, and batch operations.   | 120A  |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Advanced     | MS3WK4 - Stop Clashing: Advanced Techniques in Clash Resolution                    | This seminar designed for advanced MicroStation users and project coordinators focuses on how to leverage the performance simulation capabilities of MicroStation to V8i (SELECTseries 3) to facilitate collaborative design review. Key topics include markup and clash resolution workflows in MicroStation.  | 120B  |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | Beginner     | MS3LC5 - Optimizing Deliverable Creation with MicroStation                         | MicroStation V8i includes a new integrated print organizer that allows efficient and intelligent multi-sheet printing to hardcopy and electronic formats. In this session, learn how this new best-in-class printing system is utilized to decrease overhead and increase throughput of project deliverables.   | 119AB |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | MS3LC11 - Turbo Charging Your MicroStation Workflows                               | In this session, learn how simplify your design/detailing process and become more competitive. The powerful customization features of MicroStation are discussed. These capabilities allow you to simplify your business process by creating custom tools and tasks, standards implementation and named expressions—all of which make your MicroStation experience efficient and consistent.  | 126A  |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | Advanced     | MS3LC6 - Creating Civil Animations   | MicroStation V8i (SELECTseries 3) includes powerful new tools for easily creating visualizations and animations of civil projects. This session details the new tools for populating models with content, creating pavement markings, and easily animating traffic to bring your models to life.  | 126A  |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop | Beginner     | MS3WK5 - Transitioning to 3D   | Having problems making the leap to 3D modeling in MicroStation? This workshop focuses on the easiest way to quickly become productive in 3D. Topics include 3D viewing, basic 3D modeling, and best practices for 3D workflows.   | 120A  |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Beginner     | MS3LC7 - MicroStation and All Things PDF   | Learn about MicroStation's wide range of capabilities to work with data in Adobe's PDF format, including the production of 2D and 3D PDFs, as well as georeferenced PDFs for spatial accuracy and PDFs with embedded object property information.   | 119AB |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Beginner     | MS3LC8 - What's New in MicroStation V8i (SELECTseries 3)                           | Get a closer look at the newest version of MicroStation V8i and learn what users are saying about the innovations in the newest release. This session highlights how MicroStation V8i (SELECTseries 3) continues the tradition of delivering high-value updates and innovations to improve productivity and workflows in your organization.   | 126A  |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop | Advanced     | MS3WK6 - Civil Visualization with MicroStation V8i                                 | This hands-on workshop designed for advanced MicroStation users and visualization experts focuses on creating impressive renderings and animations for civil engineering projects using the Luxology rendering engine. Key topics include integrating realistic content, setting up views and environments, and simulating traffic.   | 120B  |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop | Beginner     | MS3WK7 - Get Your Hands on MicroStation V8i (SELECTseries 3)                       | This hands-on workshop designed for MicroStation users and CAD administrators provides an opportunity to experience the latest capabilities of MicroStation V8i (SELECTseries 3). Learn how innovations in MicroStation make you more productive and consistent. Key topics covered include hypermodels, interoperability enhancements like civil terrain model and LandXML support, thematic visualization, and new productivity enhancements. | 109B  |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture  | Intermediate | MS3LC9 - From Conceptual Design to 3D Printing                                     | MicroStation V8i (SELECTseries 3) includes a comprehensive set of conceptual design, 3D modeling and rapid prototyping tools from concept to 3D prototype in a seamless workflow. In this session, learn how to leverage everything from simple sketches to associative parametric tools to create conceptual and design models, award-winning visualizations, and 3D print models.   | 126A  |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture  | Beginner     | MS3LC10 - Tips and Tricks in MicroStation V8i (SELECTseries 3) (Encore)            | This seminar designed for MicroStation users and CAD managers covers all the latest and coolest tips and trick for getting the most out of MicroStation V8i (SELECTseries 3).   | 119AB |
| Thursday, May 17  | 8:00 AM - 8:45 AM   | Lecture  | Advanced     | MS4LC1 - Virtually Perfect Deployments with Citrix                                 | This seminar covers the use of MicroStation with virtualized environments, specifically Citrix XenApp, to streamline the deployment of software. It provides the IT administrator much more control over deployments and makes the process of upgrading less disruptive.  | 126A  |
| Thursday, May 17  | 8:00 AM - 9:45 AM   | Workshop | Intermediate | MS4WK1 - Consistent Drawing Production with Annotation Scale                       | This hands-on workshop designed for intermediate MicroStation users and CAD administrators focuses on implementing annotation scale as a part of your project standards and how to integrate it into your drawing production workflows. Key topics include drawing composition, annotation scale, and standards management.   | 120A  |

|                  |                     |          |              |   |  |       |
|------------------|---------------------|----------|--------------|---|--|-------|
| Thursday, May 17 | 8:00 AM - 8:45 AM   | Lecture  | Beginner     | MS4LC2 - Drawing Production Innovations in V8i (SELECTseries 3)                             | MicroStation V8i (SELECTseries 3) includes powerful new capabilities to produce intelligent documentation from information models. Learn how to automatically link project documentation within the models and infuse construction information into the model within the proper context.   | 119AB |
| Thursday, May 17 | 8:00 AM - 9:45 AM   | Workshop | Beginner     | MS4WK2 - Get Your Hands on MicroStation V8i (SELECTseries 3) (Encore)                       | This hands-on workshop designed for MicroStation users and CAD administrators provides an opportunity to experience the latest capabilities of MicroStation V8i (SELECTseries 3). Learn how MicroStation's innovations make you more productive and consistent. Key topics include hypermodels, interoperability enhancements like civil terrain model and LandXML support, thematic visualization, and new productivity enhancements.   | 120B  |
| Thursday, May 17 | 9:00 AM - 9:45 AM   | Lecture  | Intermediate | MS4LC3 - Customizing the Task-based Interface in MicroStation V8i (SELECTseries 3) (Encore) | This seminar designed for MicroStation users and CAD managers includes real-world examples of simple and advanced techniques for modifying task-based interfaces, including creating custom tools, icons, tasks, workflows, and named expressions. Key topics covered include user interfaces, task-based interfaces, and named expressions.   | 119AB |
| Thursday, May 17 | 9:00 AM - 9:45 AM   | Lecture  | Intermediate | MS4LC4 - MicroStation V8i (SELECTseries 3) Interoperability Enhancements                    | This seminar shows you how to use information from other project stakeholders in a wide variety of formats, highlighting the new interoperability support in MicroStation V8i (SELECTseries 3). Topics include format support for IFC, Bentley Civil Terrain Models, LandXML, JT Format, and RealDWG 2012.   | 126A  |
| Thursday, May 17 | 10:00 AM - 11:45 AM | Workshop | Intermediate | MS4WK3 - Optimizing Drawing Composition Workflows (Encore)                                  | This hands-on workshop designed for MicroStation users and CAD administrators teaches you best practices to optimize drawing production workflows. Learn how to properly integrate standards into those workflows. Key topics include dynamic views, sheet models, annotations, and styles.  | 120A  |
| Thursday, May 17 | 10:00 AM - 10:45 AM | Lecture  | Beginner     | MS4LC5 - Predicting Real World Performance of Your Designs with MicroStation                | Increasingly project teams need to accurately predict the real-world performance of designs quickly and with precision to maximize the achievement of design objectives - such as a building that uses less energy, a road that is safer for traffic, a plant that produces more output and less pollution, or a water system that ensures a reliable supply. Learn about the latest innovations in MicroStation that allow you to simulate your design's performance.   | 119AB |
| Thursday, May 17 | 10:00 AM - 10:45 AM | Lecture  | Intermediate | MS4LC6 - Productivity Gems for the MicroStation Trainer                                     | This lecture is for the MicroStation trainer to teach your users about key productivity gems like AccuDraw, Project Explorer, reference tips and tricks, managing coordinate data, and more.   | 126A  |
| Thursday, May 17 | 10:00 AM - 11:45 AM | Workshop | Advanced     | MS4WK4 - Setting the Scene: Going from "Blah" to "Wow" Visualizations                       | This hands-on workshop designed for MicroStation users and visualization experts focuses on the recipe for achieving stunning visualizations using the Luxology engine. Key topics include camera set up, materials, lighting, and adding great "ready-to-render" 3D content to produce realistic visualizations.  | 120B  |
| Thursday, May 17 | 10:00 AM - 11:45 AM | Workshop | Intermediate | MS4WK10 - Presenting Project Information within the Context of the Model                    | Learn the capabilities of MicroStation that allow you to link together related project information using callouts, item sets, and linkages. As a work product of the session, you'll receive a completed hypermodel to share with your colleagues.   | 109B  |
| Thursday, May 17 | 11:00 AM - 11:45 AM | Lecture  | Intermediate | MS4LC7 - Making Spatial Data "Plug and Play" in MicroStation                                | Need to incorporate GIS and spatial data into your designs? Learn how MicroStation V8i delivers geo-coordination capabilities that fully support the integration of all types of GIS and AEC information, regardless of coordinate system, and make it usable by all project stakeholders.   | 119AB |
| Thursday, May 17 | 11:00 AM - 11:45 AM | Lecture  | Intermediate | MS4LC14 - A Controlled Environment Workspace for MicroStation                               | Learn about a unique approach to managing the workspace configuration that provides a controlled environment, presented by Hanson Professional Services. See how the System Manager sets up the UCF, PCF and CFG files so that individual users don't need to understand project variable setups. This allows you to focus on your project with confidence with the knowledge that all the client standards, default directories, and reference paths have been set properly, including settings for utilizing the Print Organizer. The result: worry-free consistent and uniform application of client standards. | 113B  |
| Thursday, May 17 | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | MS4LC8 - DWG Interoperability with MicroStation V8i (Encore)                                | Learn how to work with data in the DWG format and efficiently interchange that data with project participants. Key topics include Autodesk RealDWG, standards, and batch operations.   | 119AB |
| Thursday, May 17 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | MS4WK5 - Working with DWG and Other Formats in MicroStation (Encore)                        | This hands-on workshop is designed for MicroStation users and CAD administrators interested in working with data in DWG format and efficiently interchange that data with project participants. Key topics include Real DWG, standards, and batch operations.  | 120A  |
| Thursday, May 17 | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | MS4LC9 - See Your Designs Differently: Display Styles and Thematic Visualization            | Learn how to use MicroStation's powerful display engine to present your model in a variety of helpful ways based on element attributes, properties and position through display styles and newly introduced thematic visualization tools. Also learn how to take advantage of new simulation capabilities to explore the solar exposure and shading of your models based on location and time of year.   | 126A  |
| Thursday, May 17 | 1:00 PM - 2:45 PM   | Workshop | Beginner     | MS4WK6 - Working with MicroStation Print Organizer (Encore)                                 | This hands-on workshop designed for MicroStation users and CAD administrators provides an opportunity to work with MicroStation's Integrated Print Organizer. Learn how to reliably produce consistent, intelligent deliverables. Key topics include sheet models, print styles, and PDF output.   | 120B  |
| Thursday, May 17 | 1:00 PM - 2:45 PM   | Workshop | Intermediate | MS4WK11 - Build Your 3D Skills  | In this workshop, get hands-on training on the basics of surface modeling, feature modeling, and generative design using MicroStation V8i. Find out how to combine the various modeling tools to produce a wide range of complex 3D forms.   | 109B  |
| Thursday, May 17 | 2:00 PM - 2:45 PM   | Lecture  | Advanced     | MS4LC10 - Configurations, DGNLibs, and Workspaces - Putting It All Together (Encore)        | This seminar designed for MicroStation users and CAD administrators is a deep dive into the powerful capabilities of MicroStation workspaces and configurations. Learn how to make the most of them to create the optimal configurations for users and your projects. Key topics include workspaces, configurations, and standards.  | 119AB |
| Thursday, May 17 | 3:00 PM - 4:45 PM   | Workshop | Intermediate | MS4WK7 - Build Your 3D Skills   | Get hands-on training on the basics of surface modeling, feature modeling and generative design using MicroStation V8i. Find out how to combine the various modeling tools to produce a wide range of complex 3D forms.  | 120A  |

|                                  |                   |          |              |  |   |                  |
|----------------------------------|-------------------|----------|--------------|--|---|------------------|
| Thursday, May 17                 | 3:00 PM - 4:45 PM | Workshop | Advanced     | MS4WK8 - Configuring MicroStation and Controlling Standards (Encore)                       | This hands-on workshop designed for MicroStation users and CAD administrators covers the powerful capabilities of MicroStation workspaces and configurations. Learn how to leverage them to create the optimal configurations for users and your projects. Key topics include workspaces, configurations, and standards.  | 120B             |
| Thursday, May 17                 | 3:00 PM - 3:45 PM | Lecture  | Beginner     | MS4LC11 - Straight to the Point Clouds: Efficient Workflows for Big Data Sets              | This seminar highlights the use of the embedded Pointools vortex engine for displaying and working with point-cloud data within MicroStation. Key topics will include visualizing and working with point-cloud data in the context of your infrastructure projects. The session also includes working with large point-cloud data sets managed by ProjectWise and preparing data for downstream workflows with Bentley Descartes. | 119AB            |
| Thursday, May 17                 | 3:00 PM - 4:45 PM | Workshop | Intermediate | MS4WK9 - SELECTserver 9 for the CAD Manager  | This hands-on workshop for CAD managers highlights some of the new enhancements delivered in SELECTserver 9. Topics include reporting best practices, reporting configuration, and license pool management.   | 126B             |
| Thursday, May 17                 | 2:00 PM - 2:45 PM | Lecture  | Beginner     | MS4LC12 - SELECTserver 9: Maximized Software Investment Through Flexible Licensing Options | This seminar focuses on helping CAD managers understand how to maximize their software investment through license management and reporting capabilities delivered in SELECTserver. Topics include reporting and license pool management capabilities delivered in SELECTserver 9.   | 126A             |
| Thursday, May 17                 | 4:00 PM - 4:45 PM | Lecture  | Intermediate | MS4LC13 - Annotation Scale: What Are You Waiting For? (Encore)                             | This seminar designed for MicroStation users and CAD managers explains how to implement annotation scale as part of your project standards, and integrate it into your drawing production workflows. Key topics include drawing composition, annotation scale, and standards management.  | 119AB            |
| Published: May 10, 2012 07:01 PM |                   |          |              |  |   | Be Together 2012 |

| Plant             |                     |          |              |   |   |      |
|-------------------|---------------------|----------|--------------|---|---|------|
| Day               | Time                | Type     | Level        | Session   | Description   | Room |
| Monday, May 14    | 1:00 PM - 2:45 PM   | Workshop | Beginner     | PL1WK1 - OpenPlant Modeler - Get a Closer Look (Introduction User)                    | In this hands-on session, work with 3D design for piping and HVAC, and see how open systems improve design projects through true interoperability.  | 102A |
| Monday, May 14    | 3:00 PM - 4:45 PM   | Workshop | Beginner     | PL1WK2 - Using PDx Dynamic Review Service (Introduction)                              | This hands-on session covers the set up of a PDS project with PDx Dynamic Review Service, the creation of i-models, and package files using either the PDS schema or the OpenPlant ISO 15926 schema for project reviews using Bentley Navigator.  | 102A |
| Tuesday, May 15   | 10:00 AM - 10:45 AM | Lecture  | Beginner     | PL2RT1 - Bentley Plant Software and Standards   | This roundtable discusses the open standards for interoperability, catalogs, and other information exchange that help organizations create better projects.   | 103C |
| Tuesday, May 15   | 10:00 AM - 11:45 AM | Workshop | Beginner     | PL2WK1 - AutoPLANT - Data Manager and Datasheets Customization                        | Learn how to leverage the features in AutoPLANT Data Manager and Datasheets to customize design project information.  | 102A |
| Tuesday, May 15   | 1:00 PM - 1:45 PM   | Lecture  | Intermediate | PL2LC1 - Buhler AG: AutoPLANT with ProjectWise on Distributed Projects                | This session discusses how to use AutoPLANT in a distributed environment leveraging ProjectWise.  | 103C |
| Tuesday, May 15   | 1:00 PM - 2:45 PM   | Workshop | Beginner     | PL2WK2 - OpenPlant - Creating Orthos with Dynamic Views (Introduction)                | This hands-on session covers the setup of dynamic views to create orthographic drawings.  | 102A |
| Tuesday, May 15   | 2:00 PM - 2:45 PM   | Lecture  | Beginner     | PL2LC2 - OpenPlant PowerPID and ProjectWise   | This session covers OpenPlant PowerPID as it is used in integrated projects using ProjectWise.  | 103C |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Beginner     | PL2WK3 - OpenPlant Isometrics Manager - Working in a Distributed Environment          | This hands-on session covers how Isometric Manager leverages teamwork to allow non-designers to coordinate isometrics creation and editing within a distributed project environment.  | 102A |
| Tuesday, May 15   | 5:00 PM - 6:45 PM   | Lecture  | Advanced     | PL2LT1 - OpenPlant Isometrics Manager Customization (Advanced)                        | This session covers the configuration of OpenPlant Isometrics Manager and customization of iso sheet styles.  | 103C |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Intermediate | PL3WK1 - OpenPlant Specification Generator - Catalog and Spec Creation (Introduction) | This hands-on session explains how to create customer catalogs and piping specifications.   | 102A |
| Wednesday, May 16 | 10:00 AM - 10:45 AM | Lecture  | Intermediate | PL3LT1 - An Update on Bentley Substation and Bentley Raceway and Cable Management     | This session highlights the latest features and innovations in Bentley Substation and Bentley Raceway and Cable Management products.  | 103C |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | Beginner     | PL3LC2 - Bentley Raceway and Cable Management in Action                               | This session demonstrates how Bentley Raceway and Cable Management speeds the electrical design process.  | 103C |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop | Advanced     | PL3WK2 - Customizing OpenPlant Modeler  | This session is designed for the OpenPlant administrator with some experience in Bentley Class Editor, is interested in customization.  | 102A |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | Advanced     | PL3LT2 - AutoPLANT PID and AutoPLANT Piping   | This session demonstrates the new jacketed piping features and 2D/3D integration within the AutoPLANT product suite.  | 103C |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Advanced     | PL3LT3 - Using AutoPLANT with ProjectWise   | This session covers the integration of AutoPLANT with ProjectWise and how to use it at your site.   | 103C |
| Wednesday, May 16 | 4:00 PM - 5:45 PM   | Lecture  | Beginner     | PL3LC3 - Plant and Electrical Keynote   | Ken Adamson, Bentley vice president for building, plant, and electrical discusses Bentley's plans for this market. Take this opportunity to meet the plant product managers and hear how they will meet this vision.  | 103C |
| Thursday, May 17  | 8:00 AM - 8:45 AM   | Lecture  | Beginner     | PL4LC1 - Laser Scanning: Best Practices for Plant                                     | Learn how process plant owner-operators can leverage point clouds to design and maintain process plants.  | 103C |
| Thursday, May 17  | 9:00 AM - 9:45 AM   | Lecture  | Beginner     | PL4LC2 - Bentley for Construction   | In this session, hear how Bentley plans to develop its construction solutions to meet the needs of owner-operators, EPCs, and construction contractors.   | 103C |
| Thursday, May 17  | 10:00 AM - 10:45 AM | Lecture  | Beginner     | PL4LC3 - ConstructSim for Workface Planning   | In this session, learn how ConstructSim helps reduce schedules, costs, and construction risks to speed time-to-plant operations.  | 103C |
| Thursday, May 17  | 11:00 AM - 11:45 AM | Workshop | Beginner     | PL4WK1 - OpenPlant Reporting Customization (Introduction)                             | This hands-on session covers the configuration and creation of custom reports in OpenPlant reporting.   | 102A |
| Thursday, May 17  | 1:00 PM - 2:45 PM   | Lecture  | Advanced     | PL4LT3 - OpenPlant PowerPID - Tips and Tricks   | This session covers the advanced features of OpenPlant PowerPID. See why many organizations are standardizing on the first P&ID application based on industry standards.  | 103C |
| Thursday, May 17  | 1:00 PM - 2:45 PM   | Workshop | Beginner     | PL4WK2 - Bentley Raceway and Cable Management - Get a Closer Look                     | In this hands-on session, learn how to save time and reduce errors designing raceway and cable systems for your projects. Bentley Raceway and Cable Management includes 3D design and modeling of raceways, cable trays, and conduit systems; intelligent cable routing; automatic generation of construction deliverables; and Bentley Substation integration. | 102A |
| Thursday, May 17  | 3:00 PM - 4:45 PM   | Workshop | Advanced     | PL4WK3 - Bentley Raceway and Cable Management   | This session is for those with previous Bentley Raceway and Cable Management experience who want a more extensive look at configuration, features other product issues.   | 102A |

| Structural        |                     |          |              |   |   |       |
|-------------------|---------------------|----------|--------------|---|---|-------|
| Day               | Time                | Type     | Level        | Session   | Description   | Room  |
| Tuesday, May 15   | 1:30 PM - 3:45 PM   | Workshop | Intermediate | ST2WK1 - Fill in the Details: Structural Steel and Reinforced Concrete Modeling and Drawing Production with ProStructures | This session increased your expertise with the powerful modeling, detailing, and drawing extraction capabilities for steel and concrete structures in ProStructures. Learn how to create reinforcing steel schedules, accurate structural steel reports, and exchange analysis data with STAAD.   | 110AB |
| Tuesday, May 15   | 2:00 PM - 3:45 PM   | Lecture  | Advanced     | ST2LC2 - Seize the Moments: STAAD Pro, STAAD(X) and Foundation  | Learn about the new advanced analysis capabilities in STAAD, along with powerful integrations, including STAAD.Foundation and RAM Connection, which now includes base plate and other new steel connection designs. Other topics include new productivity enhancements with integrated foundation design, advanced machine foundation options, and new interoperability enhancements.   | 113A  |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture  | Intermediate | ST2LC3 - Get Down to the Details: ProConcrete   | The design of reinforced concrete structures has long been a more manual process than the design of structural steel projects. That is changing with the introduction of ProConcrete. See all of the parametric capabilities for common building element types such as beams, columns, slabs, walls, foundations, and irregular-shaped objects. The discussion includes bar schedules and drawing production, and how rebar data is sent to automated shearing and bending machines directly from the 3D model.   | 113A  |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture  | Intermediate | ST3LC1 - Get Down to the Details: ProSteel  | See how the power of the new ProSteel product saves precious time and money when you create detailed structural steel models and drawings as well as automated reports and schedules. This world-class product provides you with the level of detail required for any scale project.  | 113A  |
| Wednesday, May 16 | 1:00 PM - 1:45 PM   | Lecture  | Beginner     | ST3LC2 - Integrated Structural Modeling and Dashboard   | Since its launch last year, Integrated Structural Modeling has grown tremendously in its capability to streamline structural workflows. In this session, learn about the enhanced Bentley Dashboard with the new embedded viewer for project management, how to improve your workflow, and our plans for the remainder of 2012.   | 113A  |
| Wednesday, May 16 | 1:00 PM - 3:45 PM   | Workshop | Advanced     | ST3WK1 - AutoPIPE: What's New and Tips and Tricks   | Learn about the best modeling, analysis, and design techniques to improve your productivity for pipe-stress analysis workflows using AutoPIPE. Here's your opportunity to get answers from the experts.   | 110AB |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture  | Advanced     | ST3LC4 - RAM Structural Concept, Connection, and Elements - Update and New Features                                       | This session describes the latest product enhancements for steel and concrete building analysis and design, concrete slab, masonry, metal building, and steel connection analysis and design. The demonstration includes modeling of offset members, hanging columns, concrete slab vibration analysis and design, and concrete shearwall coupling beams. It also includes analysis of steel members of varying depth for metal buildings, and analysis of masonry using the strength design approach. Interoperability enhancements for Revit integration are also demonstrated. | 113A  |
| Thursday, May 17  | 1:00 PM - 2:45 PM   | Workshop | Advanced     | ST4WK2 - Shear Power: STAAD Advanced Techniques   | In this hands-on session, learn about our best general analysis and design techniques to improve your productivity using STAAD products. The workshop includes the use of ISM. Bring your questions for expert insight.   | 110AB |

| Utilities         |                     |               |          |   |   |      |
|-------------------|---------------------|---------------|----------|---|---|------|
| Day               | Time                | Type          | Level    | Session   | Description   | Room |
| Tuesday, May 15   | 10:00 AM - 10:45 AM | Lecture       | All      | UT2KT1 - Innovations for Intelligent Utility Infrastructure - Keynote   | Bentley continues to deliver open, integrated solutions to meet the unique design, construction, and operations requirements of the utility industry. This session highlights the very latest innovations and presents Bentley's vision for enabling intelligent utility infrastructure.  | 115A |
| Tuesday, May 15   | 11:00 AM - 11:45 AM | Lecture       | All      | UT2LC1 - An Introduction to the All-new Bentley Utilities Designer  | To optimize investments, utilities and multi-utilities seek to standardize on common design and GIS software for electric, gas, water, and wastewater networks. In response, Bentley has consolidated several of its utility design and GIS technologies into a new product: Bentley Utilities Designer. Learn how this highly functional and cost-effective platform increases design-team productivity by handling and executing work orders and leveraging enterprise GIS information. Along the way, get up to speed on the very latest features for electric, gas, water, and wastewater network design. | 115A |
| Tuesday, May 15   | 1:00 PM - 2:45 PM   | Workshop      | Beginner | UT2WK1 - Accelerating Substation Physical Layout with Bentley Substation V8i  | Get behind the wheel of Bentley Substation V8i and experience powerful tools for physical design including layout of switchyard equipment, bus systems/structures, and arrangement of additional structures in the substation yard. Learn how the 3D capabilities of Bentley Substation V8i helps you present substation designs for public and regulatory acceptance and how the 3D model is used for design visualization, clash detection, and simulation.   | 117  |
| Tuesday, May 15   | 3:00 PM - 3:45 PM   | Lecture       | All      | UT2LC2 - PG&E Leverages Bentley Substation to Speed Substation Design   |   | 115A |
| Tuesday, May 15   | 4:00 PM - 4:45 PM   | Lecture       | All      | UT2LC3 - URMC Applies Bentley Technology to Reduce Risks for Transmission Utilities   | Utility Risk Management Corporation (URMC) is a risk-management services company dedicated to improving the reliability and productivity of utility companies. Using Bentley products to support transmission corridor mapping and analysis processes, URMC is reducing risk, ensuring compliance, and driving operational excellence for some of the largest and most respected electric utility companies in the United States.   | 115A |
| Tuesday, May 15   | 5:00 PM - 5:45 PM   | Lecture       | All      | UT2LC4 - High Productivity Workflows for Brownfield Substations with Bentley Substation V8i                                   | Learn how the specific features in Bentley Substation and Bentley Descartes overcome the challenges of brownfield substation design. Watch product experts demonstrate how intelligent 3D models, schematics, and wiring diagrams make it possible to combine an intelligent design environment with legacy data in paper, raster, and 2D vector formats. See how point-cloud data modeling and management tools make it convenient to establish as-built drawings from point clouds when legacy drawings are unreadable, out of date, or missing entirely.   | 115A |
| Wednesday, May 16 | 10:00 AM - 10:45 AM | Lecture       | All      | UT3LC1 - Driving Collaboration and Productivity in Utility Design and Construction  | ProjectWise is a project-team collaboration and work-sharing platform that supports the unique needs of infrastructure projects. Learn how ProjectWise manages native engineering content, allows rich content sharing across multidisciplinary teams, and automates review cycles. Hear how Xcel Energy, Huntsville Utilities, and many others use ProjectWise to deliver higher quality utility projects in less time, at lower cost, and with less risk.   | 115A |
| Wednesday, May 16 | 11:00 AM - 11:45 AM | Lecture       | All      | UT3LC2 - LADWP Implements ProjectWise to Replace Inefficient Legacy Drawing Management System                                 | The Los Angeles Department of Water and Power chose Bentley's ProjectWise to replace multiple homegrown systems for drawing management and storages. The resulting award-winning implementation reduced the time spent searching for files by half, eliminated the need for a dedicated resource to maintain legacy systems, and established a better connection between field and engineering crews.   | 115A |
| Wednesday, May 16 | 1:00 PM - 2:45 PM   | Workshop      | Beginner | UT3WK1 - Substation Protection and Control System Design: Increasing Productivity and Consistency with Bentley Substation V8i | In this hands-on session, learn how to use Bentley Substation's capabilities for the design of protection and control systems for electric substations. Quickly create one- and three-line diagrams, control schematics, panel layouts, wiring diagrams, and other design documentation. Define and establish design standards that can be applied across multiple projects to improve consistency, increase productivity, and reduce risk.   | 117  |
| Wednesday, May 16 | 3:00 PM - 3:45 PM   | Lecture       | All      | UT3LC3 - Duke Energy Improves Distribution Network Design with Bentley Expert Designer Electric                               | See how Duke Energy uses Bentley Expert Designer Electric to improve the efficiency and throughput of distribution design by merging network design and work management in a single environment.  | 115A |
| Wednesday, May 16 | 4:00 PM - 4:45 PM   | Lecture       | All      | UT3LC4 - Technology Briefing: Bentley Civil Subsurface Utility Design and Analysis  | Supporting subsurface utility engineering best practices for utility conflict management during major renewal and highway projects is a challenging aspect of urban development. This session gives you an early look at Bentley's new Civil Subsurface Utility Design and Analysis technology set and related innovations. Learn how Bentley helps engineers avoid disrupting and impacting buried utilities when working on projects.   | 115A |
| Wednesday, May 16 | 6:00 PM - 9:00 PM   | Special Event |          | UT3DNP1 - Utilities Industry Reception  |   | 115A |
| Thursday, May 17  | 9:00 AM - 9:45 AM   | Lecture       | All      | UT4LC1 - Efficient Transmission Corridor Planning and Management  | Learn how to improve power transmission corridor planning, selection, and ongoing management with Bentley software capabilities for survey, data acquisition, point-cloud management, 3D terrain modeling, mapping, and visualization.  | 115A |
| Thursday, May 17  | 10:00 AM - 11:45 AM | Lecture       | All      | UT4RT1 - Power Delivery: Addressing the Challenge of Grid Transformation  | This strategic roundtable, focused on substation and transmission engineering and O&M processes, lets you explore grid transformation challenges and solutions. Join peers from major North American utilities, representatives from leading engineering firms, and Bentley technology leaders and executives who are shaping future Bentley solutions.   | 115A |

| Water             |                     |          |              |  |   |       |
|-------------------|---------------------|----------|--------------|--|---|-------|
| Day               | Time                | Type     | Level        | Session  | Description   | Room  |
| Tuesday, May 15   | 10:00 AM - 10:45 AM | Lecture  | All          | WA2KT1 - Water, Sewer, and Stormwater Technology Keynote   | An overview of Bentley's comprehensive water solution for water utility owner-operators and engineering companies with a focus on new products and new technology.  | 118B  |
| Tuesday, May 15   | 1:00 PM - 2:45 PM   | Workshop | Beginner     | WA2WK1 - Hydraulics and Hydrology Products for Beginners   | This hands-on workshop introduces the hydraulic and hydrology modeling products and their numerous tools for efficiently setting up and analyzing a model. This session will help you follow advanced workshops more easily.  | 118_B |
| Tuesday, May 15   | 3:00 PM - 4:45 PM   | Workshop | Intermediate | WA2WK2 - Step-By-Step Pond Design Using PondPack from within MicroStation  | This hands-on workshop uses PondPack's PondMaker feature, from within MicroStation. PondMaker guides you through the pond and outlet design process by providing an easy, step-by-step interface that gives constant feedback on how the design is progressing.   | 118_B |
| Tuesday, May 15   | 5:00 PM - 5:45 PM   | Lecture  | All          | WA2LC2 - What's New in SewerCAD, SewerGEMS, StormCAD, and CivilStorm V8i (SELECTseries 3)?   | Get a peek at the new versions of these products. They have a common data type and offer multiple engines so that you can exploit the strong points of each solver. The product manager will also demonstrate other new product features.   | 118B  |
| Wednesday, May 16 | 10:00 AM - 11:45 AM | Workshop | Intermediate | WA3WK1 - Designing a Water Distribution System in a Site Development Project while Ensuring Fireflow Protection, Using WaterCAD from within MicroStation | This hands-on workshop will use WaterCAD from within MicroStation. You will learn how to design a water distribution pipe system in a new site development project, and how to review your water system's ability to provide adequate fire protection.  | 118_B |
| Wednesday, May 16 | 2:00 PM - 2:45 PM   | Lecture  | All          | WA3RT1 - Water, Sewer, and Stormwater Product Roundtable   | Join Bentley's water, sewer, and stormwater product managers for a discussion about these products and a chance to talk about how your organization is using them. This is your opportunity to meet with other users and Bentley experts in an informal environment and influence the future direction of these products.   | 118B  |
| Wednesday, May 16 | 3:00 PM - 4:45 PM   | Workshop | Intermediate | WA3WK2 - Managing Stormwater Runoff With Low Impact Development (LID) and Long Term Simulation   | Low-impact development (LID) strategies aim to manage stormwater runoff at the source to better mimic a site's pre-development hydrology. Use the new LID modeling tools in SewerGEMS (the same steps apply to CivilStorm) to perform a long-term continuous simulation for an example project. Gain hands-on experience entering LID facility data and viewing and understanding model output. | 118_B |

Published: May 10, 2012 07:01 PM

Be Together 2012

| Bentley Institute |                   |          |              |  |  |      |
|-------------------|-------------------|----------|--------------|--|--|------|
| Day               | Time              | Type     | Level        | Session  | Description  | Room |
| Monday, May 14    | 1:00 PM - 5:00 PM | Workshop | Intermediate | TRN1WK1 - MicroStation V8i (SELECTseries 3) User Update          | Learn about many of the new features and capabilities of MicroStation V8i (SELECTseries 3) through a series of hand-on exercises. Topics emphasize user interface enhancements and productivity gains. | 116  |
| Monday, May 14    | 1:00 PM - 5:00 PM | Workshop | Advanced     | TRN1WK2 - MicroStation V8i (SELECTseries 3) Administrator Update | Learn about the enhancements to MicroStation V8i (SELECTseries 3) including capabilities that can improve workflows and operations.  | 117  |
| Monday, May 14    | 1:00 PM - 5:00 PM | Workshop | Advanced     | TRN1WK3 - MicroStation V8i (SELECTseries 3) Administrator Update | Learn about the enhancements to MicroStation V8i (SELECTseries 3), including capabilities that can improve workflows and operations.   | 120B |
| Monday, May 14    | 1:00 PM - 5:00 PM | Workshop | Intermediate | TRN1WK4 - MicroStation V8i (SELECTseries 3) User Update          | Learn about the new features and capabilities of MicroStation V8i (SELECTseries 3) through a series of hand-on exercises. Topics emphasize user interface enhancements and productivity gains.         | 120C |
| Monday, May 14    | 1:00 PM - 5:00 PM | Workshop | Advanced     | TRN1WK5 - MicroStation V8i (SELECTseries 3) Administrator Update | Learn about the enhancements to MicroStation V8i (SELECTseries 3). Topics emphasize the capabilities that can improve workflows and operations.  | 125  |

Published: May 10, 2012 07:01 PM

Be Together 2012

| UI Technology Usability Lab |                   |               |       |                                      |  |       |
|-----------------------------|-------------------|---------------|-------|--------------------------------------|--|-------|
| Day                         | Time              | Type          | Level | Session                              | Description  | Room  |
| Monday, May 14              | 1:00 PM - 2:45 PM | Usability Lab | All   | UL1UL1 - UI Technology Usability Lab | Help us explore new user interface concepts for MicroStation and ProjectWise. This lab focuses on testing the experience of using new ways to access tools and information. The seated gallery are surveyed for general observations, while four volunteers drive the software hands-on. The goal of the session is to share something new, in exchange for honest feedback.     | 112AB |
| Monday, May 14              | 3:00 PM - 4:45 PM | Usability Lab | All   | UL1UL2 - UI Technology Usability Lab | Help us explore new user interface concepts for MicroStation and ProjectWise. This lab focuses on testing the experience of using new ways to access tools and information. The seated gallery will be surveyed for general observations, while four volunteers drive the software hands-on. The goal of the session is to share something new, in exchange for honest feedback. | 112AB |

Published: May 10, 2012 07:01 PM

Be Together 2012