



## Be Together: THE BENTLEY USER CONFERENCE

May 23-26, 2011 | Pennsylvania Convention Center | Philadelphia, PA, USA



**Be Together: The Bentley Systems User Conference** has been designed for users who want to get the most out of their Bentley software. With hundreds of learning sessions and hands-on workshops, plus keynotes, an interactive LIVE Zone exhibit and demonstration area, networking events, and more, *Be Together* will provide you with the product knowledge, insider tips and tricks, and insights you need to **Sharpen Your Edge**. You'll have a great opportunity to share ideas with your peers, increase the value you bring to your organization and advance your career.

This conference overview gives you a quick look at the core sessions and workshops. In coming weeks you'll receive updates that include further details to help you maximize your conference experience.

*Be Together* registration opens soon! Begin now to make your list of "must" sessions and workshops. Click on the links in the Conference at a Glance below to see the complete tracks designed specifically for your area of interest.

### Conference at a Glance

**AssetWise Track (page 2):** Discusses multiple information modeling services available to improve the lifecycle management and operational performance, safety, compliance, and governance of infrastructure assets while increasing the return on investment for owner-operators.

**Building Track (page 3):** Highlights the latest capabilities of Bentley products and upcoming product plans for BIM, building energy design, analysis and simulation, and generative design and hands-on workshops covering how-to's and best practices for Bentley's BIM offerings.

**Geospatial Track (page 7):** Enables mapping and GIS professionals executing geospatial workflows for infrastructure owner-operators, engineering companies, and government organizations to learn about the most recent releases of Bentley geospatial products.

**MicroStation and ProjectWise Track (page 8):** Enables attendees to learn about the features in the newest V8i (SELECTseries) releases of these products used to design, model, visualize, document, map, and sustain infrastructure products as well as to provide project team collaboration and work sharing.

**Plant Track (page 17):** Offers a test drive of the latest OpenPlant products and interactive workshops covering how-to's and best practices in integrated engineering analysis, data and document handover, construction, and plant design.

**Roads and Bridges Track (page 19):** Offers attendees a chance to increase their knowledge of the latest enhancements to road and site design software products; bridge design and engineering software; geotechnical and geoenvironmental software; rail design products; and more.

**Structural Track (page 26):** Highlights the latest capabilities of Bentley products and upcoming product plans structural analysis, design, documentation and detailing, and Integrated Structural Modeling, plus the hands-on workshops to help you get the most out of Bentley's structural products.

**Utilities and Communications Track (page 28):** Provides hand-on sessions focused on the needs of utility engineers (including those working on substations) and telecommunications engineers employed by owner-operators and engineering companies.

**Water Track (page 30):** Is targeted at hydraulic engineers and those designing and analyzing water, wastewater, and stormwater infrastructure in utility owner-operators, local government public works.

### Conference Agenda Summary

#### Monday, May 23, 2011

12:00 pm: Registration Opens  
 1:00 pm to 5:00 pm: Conference Lectures and Workshops  
 4:00 pm to 6:00 pm: LIVE Zone Open

#### Tuesday, May 24, 2011

7:00 am to 8:00 am: Breakfast in LIVE Zone  
 8:00 am to 10:00 am: *Keynote Presentations: Greg Bentley - Corporate Update*  
*Bhupinder Singh - Technical Update #1*  
 10:00 am to 6:00 pm: Conference Lectures and Workshops  
 11:00 am to 2:00 pm: LIVE Zone Open  
 12:00 pm to 1:00 pm: Lunch in LIVE Zone  
 5:00 pm to 8:00 pm: Welcome Reception in LIVE Zone

#### Wednesday, May 25, 2011

7:00 am to 8:00 am: Breakfast in LIVE Zone  
 8:00 am to 10:00 am: *Keynote Presentation: Bhupinder Singh - Technical Update #2*  
 10:00 am to 6:00 pm: Conference Lectures and Workshops  
 11:00 am to 2:00 pm: LIVE Zone Open  
 12:00 pm to 1:00 pm: Lunch in LIVE Zone  
 4:00 pm to 6:00 pm: LIVE Zone Open

#### Thursday, May 26, 2011

7:00 am to 8:00 am: Breakfast  
 8:00 am to 5:00 pm: Conference Lectures and Workshops  
 11:00 am to 1:00 pm: LIVE Zone Open  
 12:00 pm to 1:00 pm: Networking Lunch in LIVE Zone  
 5:00 pm: Conference Concludes

DATE	TIME	SESSION	PRESENTER
<b>CONFERENCE TRACK: AssetWise</b>			
Tuesday May 24	10:30 AM to 11:45 AM	<b>LECTURE</b> <b>FIATECH Advancing Interoperability and Breakthrough Initiatives</b> This session will bring Bentley users up to date on FIATECH's advancement of interoperability and FIATECH's latest initiatives that encompass some of the most influential technology providers in the world – covering everything from cutting edge software solutions to new emerging materials, lasers, augmented reality, mobile IT, RFID and remote sensing capabilities. All in the FIATECH consortium are united by one goal – to make a step change improvement in the design, engineering, procurement, construction, and maintenance of large capital assets.	Ray Topping, FIATECH
Tuesday May 24	1:00 PM to 1:45 PM	<b>LECTURE</b> <b>AssetWise Platform Overview</b> This session describes our new AssetWise initiative and what it can offer your organization.	Alan Kiraly, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	<b>LECTURE</b> <b>What's New in eB Insight</b> You'll learn in this session about the latest features and enhancements provided by Bentley's initial release of eB.	Hilmar Retief, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	<b>LECTURE</b> <b>AssetWise for Nuclear and Power Generation</b> You'll learn in this session why the eB suite of products is currently running more than 20 percent of all the nuclear facilities in the United States. Come and see how it can work for your operations and maintenance.	Hilmar Retief, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	<b>LECTURE</b> <b>AssetWise for Transportation</b> In this session you'll learn about Bentley's new AssetWise initiative for transportation.	Iain Mcleman, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	<b>LECTURE</b> <b>Document Control for Design and Operations</b> In this session, you'll see how eB can provide robust Document Control for your organization - with a focus on operations workflows. The presentation will cover interaction with ProjectWise to provide document control from design through operations.	Laurent Perkins, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	<b>LECTURE</b> <b>Spatial Data in Operations</b> In this session you'll learn about the benefits of spatially enabling your eB data by integrating visualization and reporting in a variety of workflows. The benefits of adding eB to existing spatial systems will also be discussed.	Alfredo Contreras, Sam Migliore and Mike Carlisle, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	<b>LECTURE</b> <b>Records Management for Design and Operations</b> Learn how to use eB to effectively perform records management with a focus on design workflows. Topics include creating documents from templates to define and enforce the retention and disposition plans and policies for your organization.	Laurent Perkins, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	<b>LECTURE</b> <b>Safety and Risk Management in Operations</b> This session will explain how the eB Corrective Action Suite, part of Bentley's new AssetWise initiative, can help ensure compliance and improve safety in an operating environment.	Alan Kiraly, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	<b>LECTURE</b> <b>Configuration Management</b> In this session you'll learn how the eB Suite of products can help you employ a robust configuration management solution that interacts with other enterprise systems and portal technologies such as SAP, Maximo, and SharePoint.	Laurent Perkins, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	<b>LECTURE</b> <b>Visualization in Operations</b> This session will offer you a preview of how eB and Bentley Navigator will form the basis for the AssetWise Visualization platform and provide a robust reporting tool for operations.	Sam Migliore, Bentley
Thursday May 26	8:00 AM to 8:45 AM	<b>LECTURE</b> <b>Enterprise Integration using AssetWise</b> You'll learn in this session how to ensure that all affected information is taken into account when planning and managing changes to assets and asset information. Find out how the AssetWise Common Service Bus provides quality controlled asset information via automated integration to upstream and downstream enterprise systems.	Hilmar Retief, Bentley
Thursday May 26	9:00 AM to 9:45 AM	<b>LECTURE</b> <b>Change Management for Highly Engineered Assets</b> This session will describe 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. This identifies the effects of change and automates the change process of approvals, notifications, releases, and distributions for accountability and auditing.	Hilmar Retief, Bentley

DATE	TIME	SESSION	<i>AssetWise Continued</i>	PRESENTER
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Knowledge Management for Operations</b> In this session you'll learn how eB combines business and information modeling with change management, configuration management, and corrective action to provide a knowledge management platform. It will explain how this helps you identify, manage, and relate knowledge from best practices, human experience, industry communities of practice, changes to plant configuration, regulations, training, and lessons learned to offer significant business value and achieve cost savings.	Laurent Perkins, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Pipe Renewal in Water &amp; Wastewater Operations</b> This session explains how eB can provide the framework for building and deploying an easy to use portal for gathering any and all necessary information about a task or asset. It will also demonstrate the flexibility of the eB reporting products and how this can play a significant role in producing an operations portal that provides you with a single source of truth for your operations activities.	Alfredo Contreras and Tom Walski, Bentley
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Transmittals and Submittals for Design and Operations</b> This session will describe how ProjectWise and eB can form the basis for a robust transmittal and submittal process from design through to operations.	Sam Migliore, Bentley
<b>CONFERENCE TRACK: Building</b>				
Tuesday May 24	10:00 AM to 10:45 AM	LECTURE	<b>Building Design and Analysis Keynote</b> Join Bentley executives in this session as they provide insight into Bentley's product offerings for those involved in designing, constructing, or operating buildings. You'll discover the key advantages of the company's newest offerings and learn about Bentley's product strategies and key innovations.	Huw Roberts and Santanu Das, Bentley
Tuesday May 24	10:30 AM to 11:45 AM	LECTURE	<b>FIATECH Advancing Interoperability and Breakthrough Initiatives</b> This session will bring Bentley users up to date on FIATECH's advancement of interoperability and FIATECH's latest initiatives that encompass some of the most influential technology providers in the world – covering everything from cutting edge software solutions to new emerging materials, lasers, augmented reality, mobile IT, RFID and remote sensing capabilities. All in the FIATECH consortium are united by one goal – to make a step change improvement in the design, engineering, procurement, construction, and maintenance of large capital assets.	Ray Topping, FIATECH
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Luxology Rendering and Advanced Visualization</b> In this session you'll learn how to use the Luxology rendering engine to provide near-real-time rendering inside your Bentley BIM applications. This super-fast rendering engine saves you time and lets you render more images, improves the quality of your rendered images for stakeholder review and buy-in, lets you produce and deliver high-quality photorealistic renderings from 3D models, and provides enhanced realism with powerful animation and live on-screen preview.	Mary Chib, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Bentley Facilities Product Overview</b> This session will provide you with an overview of issues facing today's facility managers. It will explain why facility management is becoming more important to facility owners and how to begin capturing and using this data via Bentley Facilities.	Pirkka Lankinen, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Panel Discussion: A Dissection of USACE BIM Requirements and the PxP</b> Starting in 2006, USACE partnered with BIM-aggressive, private-sector individuals, firms, and academia in conducting discussions and workshops on mutually beneficial BIM issues such as best practices, standards, and contract language. The goal was to strengthen public and private sector BIM initiatives. This panel will discuss the collaborative development of the USACE BIM Contract Language and the USACE BIM Project Execution Plan (PxP) Template.	Steve Hutsell, USACE, Eric Baker, Mason & Hanger, Shawn Foster - Jacobs Global Buildings and Ralph Kreider, The Pennsylvania State University
Tuesday May 24	1:00 PM to 1:45 PM	LECTURE	<b>Introduction to Bentley Building Designer (Architectural, Mechanical, Structural and Electrical Systems)</b> In this session you'll join Bentley product managers as they introduce Bentley Building Designer, a unified Building Information Modeling application.	Jeff Ashley, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	WORKSHOP	<b>Exploring Bentley and Revit Workflows with i-Models</b> 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. You will learn how Bentley Navigator V8i can work with these i-models to do 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.	Rob Riley and Slavica Bozic, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>Bentley Building Designer: Architectural Product Update and New Feature Review</b> In this session you'll learn about the innovative capabilities and features of the Bentley Building Designer unified BIM application.	Jeff Ashley and Tom Waltz, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>Bentley Building Designer: Mechanical Product Update and New Feature Review</b> In this session you'll learn about new mechanical product capabilities and features of Bentley Building Designer.	John Crosby, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>ProjectWise and Bentley Facilities</b> Best practice for utilizing architectural design information for a branch network development.	Rob Wesson, Mark Welbourne- Barclays and Mark Lill, Bentley

DATE	TIME	SESSION	<i>Building Continued</i>	PRESENTER
Tuesday May 24	2:00 PM to 2:45 PM	WORKSHOP	<b>Bentley Building Designer: Unraveling the Mystery of the Datagroup Systems</b> This session will show you how to customize the components of the datagroup system in Bentley Building Designer to improve drawing annotation, schedules, and other custom reports.	Paul Wagner, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	LECTURE	<b>Multidisciplinary Design: Civil Works Information Modeling (CWIM)</b> This session will demonstrate how the U.S. Army Corps of Engineers is using GIS data, BIM, analysis, review and project team collaboration in the design of infrastructure projects known as Civil Works.	Brian Huston and Bill McNamara Bentley
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>Bentley Building Designer - Architectural: Exploring the New Features</b> This workshop will give you hands-on experience with some of the key new architectural product features of Bentley's Building Designer application.	Tom Waltz and Jeff Ashley, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	LECTURE	<b>Multidisciplinary Design: Campus Information Modeling (CIM)</b> The CIM Workshop Program has been developed for government and industry organizations seeking improved data management practices. It provides a process-centric approach toward the implementation of an integrated GIS and engineering data repository. This lecture will be followed by a three-hour geospatial workshop called Campus Information Management (CIM) for Geospatial Experts	Jeff Nolan, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>Bentley Architecture Dynamic View Best Practices</b> Best practices developed and adopted by LMN in Bentley Architecture V8i SELECTseries 1 for creating stepped plan dynamic views, multi-directional (bent) sections, and printing dynamic views with filled walls.	Tim Grimm, LMN Architects
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>Parametric Cell Studio: Introduction</b> This hands-on workshop will introduce you to the basic concepts of paths, constraints, components and variables in Parametric Cell Studio.	Buddy Branham and Travis Wollet, Bentley
Tuesday May 24	4:00 PM to 5:45 PM	LECTURE	<b>Setting up Bentley Building Products on Projects</b> A strength of Bentley products has always been their configurability. But with great strength comes great responsibility – and occasionally a whole lot of confusion as well. Many of us understand the principles of application, site, project and user configurations with MicroStation, but do you really know how these apply to the Building products, the DataGroup system, and how best to integrate these within your existing Workspace? If you're using Bentley Architecture or Structural Modeler, this session will explain everything you need to know about configuring these products for use in a real office environment. From the basic principles of the supplied datasets and corporate configuration needs, through to organising the DataGroup system files to allow for project-specific requirements, Nigel Davies of Evolve Consultancy and EatyourCAD.com will help you look at effective and efficient Workspace management.	Nigel Davies, Evolve Consultancy
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>Bentley Building Designer: Electrical Product Update and New Feature Review</b> In this session you'll learn about innovative new electrical product capabilities and features in Bentley Building Designer.	Mike Lambert, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>An Introduction to AECOsim Energy Simulator: Integration with BIM</b> This session will provide an introduction to the new Bentley AECOsim Energy Simulator. It will demonstrate the software's basic capabilities in importing DGN, DWG, DXF, and gbXML files and converting them into energy performance simulation models in seconds by applying the rich series of materials, constructions, schedules, and other datasets.	Dru Crawley, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Bentley Building Designer: Dynamic Views</b> This session will detail best practices for dynamic views in Bentley Building Designer and give you hands-on experience using a sample project. It will also introduce you to "model documentation."	Mary Chib, Joel Rosenbaum and Jeff Ashley, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Bentley Building Designer: Configuring Bentley Building Designer for Your Office</b> By attending this session you'll learn valuable skills that will enable you to configure Bentley BIM to meet specific project and organization needs.	Travis Wollet and Noel Page, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Bentley Building Designer: Structural Product Update and New Feature Review</b> In this session you'll learn about the innovative new structural product capabilities and features of Bentley Building Designer.	Jim Barr, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>AECOsim Energy Simulator: HVAC Systems and Automated Standards Compliance</b> Building on the EnergyPlus simulation engine from the DOE, Bentley AECOsim Energy Simulator features a rich tapestry of HVAC systems and equipment. This session will demonstrate how users can quickly create, modify, and simulate complex HVAC systems. It also will show you the automated calculations that demonstrate compliance with ASHRAE Standard 90.1 – for use in mandatory standards and the USGBC's LEED rating system.	Dru Crawley, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	WORKSHOP	<b>Bentley Building Designer/Navigator: Clash Detection Tips and Tricks</b> In this workshop you'll learn best practices for clash detection, including how to share markups with a project team. It will include hands-on experience using a sample project.	Noel Page and Paul Wagner, Bentley

DATE	TIME		SESSION <i>Building Continued</i>	PRESENTER
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>LEED Automation: The Next Phase of Market Transformation</b> LEED Automation enables project teams to better utilize existing and emerging software solutions designed to streamline LEED submission requirements, increase project team efficiency, and create additional reviewer capacity for LEED certifications. Project teams now have a choice between using LEED Online and using third-party applications to manage LEED projects during the design / construction /operation phases thru to final submission and GBCI certification. Join us to learn about the next phase of green building market transformation already underway.	Pete Liotino Bentley; David Pratt and Brian Ross LoraxPRO
Wednesday May 25	1:00 PM to 2:45 PM	LECTURE	<b>Bentley Building Designer: Structural Practices and Tips and Tricks</b> In this session you'll be introduced to new structural capabilities and exciting new features in Bentley Building Designer. You'll also learn about some handy tips and tricks and best practices to improve your workflows.	Joel Rosenbaum, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Bentley Building Designer: Integration with ProjectWise, Configuration, and Setup</b> By attending this session you'll 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.	Buddy Branham and Travis Wollet, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	WORKSHOP	<b>Navigator: Building Schedule Simulation Tips and Tricks</b> This session will provide best practices for schedule simulation. It will include hands-on experience using a sample project.	Noel Page and Paul Wagner, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>How Bentley Helps Revit Users in Building Delivery and Operations</b> In this session you'll see how Revit workflows can be supported when team members are in multiple remote locations. ProjectWise not only manages the RVT files but also the 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.	Rob Riley, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	LECTURE	<b>Bentley Building Designer: Architectural Practices and Tips and Tricks</b> This session will provide productivity-enhancing tips and tricks to help you improve your architectural workflows.	Mary Chib and Tom Waltz ,Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>Model Documentation</b> In this session you'll learn all about model documentation. This innovation extends our Dynamic Views capability, enabling an automated, mutually contextualized fusion of a project's drawing documentation set and the project's 3D model. This greatly improves the medium of drawing construction documentation and the medium of modeling. Models are improved because they are clear and unambiguous with regard to limitations of scope, authority, and completeness, and therefore now can be delivered with confidence.	Rob Snyder, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Bentley AECOsim - Building Energy Simulation Powered by EnergyPlus</b> This workshop will show you how to use building simulation to make the best decisions leading to accurate prediction of the annual energy consumption, cost, and CO2 emissions of your building. This innovative approach uses real-world weather data, actual wall/partition/glazing construction data, and complex HVAC systems along with the detail of the EnergyPlus simulation engine.	Pete Liotino and Bob DeFeo Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Creating an Intelligent Project Portfolio: BIM to Adobe PDF</b> This hands-on session will focus on techniques used to create a USACE BIM PDF portfolio (in Acrobat). Topics will include 3D PDF creation with post editing suggestions in Acrobat, producing drawing sets with live drawing symbol links on details and callouts, creating PDF with DataGroup properties on elements, and assembling PDFs into an Acrobat PDF portfolio.	Buddy Branham and Travis Wollet, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Bentley Building Designer : Mechanical Practices and Tips and Tricks</b> In this session you'll learn valuable skills that will enable you to configure and use Bentley's Mechanical Building Designer to meet specific project and organization needs.	Joel Rosenbaum and John Crosby, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Model Documentation (Repeated)</b> In this session you'll learn all about model documentation. This innovation extends our Dynamic Views capability, enabling an automated, mutually contextualized fusion of a project's drawing documentation set and the project's 3D model. This greatly improves the medium of drawing construction documentation and the medium of modeling. Models are improved because they are clear and unambiguous with regard to limitations of scope, authority and completeness, and therefore now can be delivered with confidence.	Rob Snyder, Bentley
Thursday May 26	8:00 AM to 9:45 AM	LECTURE	<b>Bentley Building Designer: Electrical Practices Plus Tips and Tricks</b> This session will introduce you to the tips and tricks of moving Electrical Dataset to Bentley Building Designer, configuring Bentley Building Electrical Systems, repetitive electrical design and include a look at new product features.	Slavica Bozic and Mike Lambert, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Where in the World Are You: Geospatially Locating Bentley BIM Projects</b> In this session you'll learn how to leverage MicroStation geospatial awareness to geospatially locate BIM projects.	Buddy Branham, Bentley
Thursday May 26	8:00 AM to 8:45 AM	WORKSHOP	<b>Bentley Building Designer: Task-Based Interface Customization</b> This session will look at how to create and modify task bars, make icons for commands, and use Named Expressions to control command visibility.	Tom Waltz, Bentley

DATE	TIME	SESSION	<i>Building Continued</i>	PRESENTER
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Lessons Learned from Years of USACE BIM Workshops</b> This session will give you an opportunity to learn what we have learned by conducting USACE BIM workshops around the world. You'll discover what BIM really is, what you can do to insure a successful BIM rollout, what the advantages of BIM are, and how BIM saves you time.	Travis Wollet, Noel Page, Paul Wagner and Elly Hoinowski, Bentley
Thursday May 26	9:00 AM to 10:45 AM	WORKSHOP	<b>Transitioning to Bentley Building Designer</b> How do the changes in Bentley Building Designer affect your existing projects and datasets? This workshop will include exercises on updating models and transitioning workspaces to enable you to take full advantage of the new technologies in Building Designer and improve your project workflows.	Travis Wollet and Noel Page, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>Design-Build Project Collaboration using BIM on Federal Projects</b> This lecture will focus on using BIM throughout the design-build process, discussing how the BIM process is leveraged at each phase of the project. It will also discuss the use of ProjectWise as a common repository for the project files, and how each member of the team, from the AE to the general contractor and subcontractors, interact within the BIM process.	Jason Kornaker, Burgess & Niple
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>GenerativeComponents - Nothing to Be Afraid of</b> The new simplified user interface in GenerativeComponents (GC) makes this generative design software easier to use than ever before. GC is a great tool for exploring conceptual modeling and refining designs using "what-if" scenarios. In this session you'll be taught basic steps to get you started with a simple mass model. In addition, you'll find out how to use GC with Bentley Architecture and Bentley Structural Modeler to enable generative design with real-world objects.	Mary Chib, Bentley
Thursday May 26	9:00 AM to 10:45 AM	WORKSHOP	<b>Bentley Building Designer: Dynamic Views (Repeat)</b> This session will detail best practices for dynamic views in Bentley Building Designer and give you hands-on experience using a sample project. It will also introduce you to "model documentation."	Jeff Ashley and Joel Rosenbaum, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Bentley Building Designer: SpacePlanner</b> In this session you'll learn how to lay out spaces in preliminary design, and incorporate that data into an enterprise class facilities management application.	Bill McNamara and Pirkka Lankinen, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Simplifying BIM Projects with ProjectWise Managed Workspaces</b> Those attending this session will learn how ProjectWise managed workspaces greatly simplify the administration and setup of BIM projects.	Buddy Branham, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>BIM, Multi-Office Execution, and Project Delivery</b> As a large multi-office and multi-discipline firm, Jacobs Global Buildings has been using BIM to varying levels of complexity for many years. Join us in this session where we will discuss best practices in procedurally setting up projects, technically ensuring standards are used across all offices to meet contracted deliverables, and reviewing various individual projects for interesting uses of BIM tools and processes. We'll cover usage of Bentley BIM tools, ProjectWise, and interoperability with other BIM toolsets.	Shawn Foster, Charles Wood, John DaCosta, John Gallagher and Dawn Bridges, Jacobs
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Exchanging Data Between Bentley Architecture and Revit</b> The upsurge in BIM continues throughout the world. As it does, many practices are struggling to come to terms with the exchange of information between the leading platforms. We're facing a return to the dark days of the 1990s when you would only win projects if you could use the specified software. Nigel Davies, director of Evolve Consultancy and BIM expert, explains the reality of converting data between Autodesk's Revit suite and Bentley's Building products. He will explain the technical formats that can be used and which ones could be best utilised in varying situations, as well as discussing the importance of understanding the requirements of the BIM data in each scenario. This presentation will be of interest to architects and engineers who want to learn more, BIM Managers who need insight into the practicalities, or a client looking for an intelligent approach to Building Information Modelling/ Management.	Nigel Davies, Evolve Consultancy
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Building Executive Roundtable Discussion and Closing Remarks</b> In this roundtable you'll join Bentley experts as they discuss how the company's offerings are addressing key building industry issues and facilitating new best practices. As BIM, IPD, collaboration, and "green" practices become increasingly prevalent, users need to know how Bentley products are helping users meet these demands and empowering them to more productively deliver high quality project deliverables.	Huw Roberts, Dru Crawley, John Crosby, Noah Eckhouse, Jeff Ashley, Santanu Das, Styli Cometeros and Elly Hoinowski, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Parametric Cell Studio: Advanced</b> This hands-on session is designed for experienced Parametric Cell Studio users. Those attending will learn about the use of functions, arrays, editing properties, and editing constraints. Component management and production techniques will also be discussed.	Buddy Branham and Travis Wollet, Bentley

DATE	TIME	SESSION	<i>Building Continued</i>	PRESENTER
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>Achieving LEED Certification with Bentley's AECOsims Compliance Manager</b> LEED certification is currently the industry "stamp of approval" that a building is "green." In this session you find out how Bentley tools can help your project team efficiently collaborate and streamline its submission process, as well as conduct the proper building simulations to maximize the achievement of energy and atmosphere (EA) and indoor environmental quality (IEQ) credits.	Pete Liotino, Dru Crawley and Bob DeFeo, Bentley; David Pratt and Brian Ross, LoraxPRO
<b>CONFERENCE TRACK: Geospatial</b>				
Tuesday May 24	10:30 AM to 11:15 AM	LECTURE	<b>Geospatial Keynote</b> Advancing GIS for Infrastructure	Richard Zambuni and Bob Mankowski, Bentley
Tuesday May 24	11:30 AM to 12:00 PM	LECTURE	<b>Case Study on 3D City GIS</b> 3D City GIS - the benefits of a 3D city model in municipal workflows. The City of Montreal will be the focus of this presentation. Their current systems, workflows, and future geospatial needs and plans will be discussed.	Francois Valois, Bentley
Tuesday May 24	1:00 PM to 2:45 PM	WORKSHOP	<b>Build and Maintain a 3D City GIS using Bentley Map</b> This session will offer hands-on guidance on how to create and maintain a 3D City GIS using Bentley Map.	Keith Raymond and Benoit Fredericque, Bentley
Tuesday May 24	3:30 PM to 5:00 PM	LECTURE	<b>Spatial Data Storage using Oracle 11g</b> This session will discuss what data can be stored and accessed using Bentley products integrated with Oracle's latest database technology.	Francois Valois, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>GIS for CAD and BIM Users</b> This workshop will introduce CAD and BIM users to GIS principles, explore the power of GIS, and show how to integrate CAD and BIM into a GIS environment. This hands-on workshop will focus on integration, analysis, and visualization.	Keith Raymond, Bentley
Wednesday May 25	1:00 PM to 3:45 PM	WORKSHOP	<b>Campus Information Management (CIM) Using Geospatial Technology</b> The CIM Workshop Program is for government and industry organizations that are seeking improved data management utilizing Bentley's suite of applications. This condensed workshop will focus on site assessment, highlighting the geospatial capabilities of the CIM program utilizing ProjectWise Geospatial Server and Bentley Map.	Jeff Nolen, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>Working with Raster Data in Bentley Descartes</b> In this session you'll learn how to attach, display, and edit raster data. The session will also feature the use of DEM data to create shaded relief, slope and aspect images.	Inga Morozoff, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>Convergence of AEC and Geospatial for Urban Management</b> In this session Mr. Reichardt will discuss work by the Open Geospatial Consortium (OGC) and its alliance partners to establish a standards-based 3D/4D model for the management of urban environments. The goal is to move beyond the building and the facility to support a range of urban services from site planning to logistics and transport to public safety. Bentley, a principal member of OGC, has supported and contributed to the OGC for many years and also implements a number of these open standards in geospatial solutions.	Mark E. Reichardt, OGC
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>What's New in Bentley Map</b> This session will highlight the latest enhancements to Bentley Map, Bentley's flagship GIS product. A Bentley product manager will highlight and demonstrate the new features.	Keith Raymond, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Geospatial Technology Roundtable</b> This informal roundtable meeting will discuss product futures, technical suggestions, and general product ideas. Here is your chance to influence future product development.	Francois Valois and Nicolas Loubier, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Web-Enabled GIS</b> In this session you'll learn how GIS and CAD data can be used to provide powerful interactive maps to users in multiple disciplines.	Nicolas Loubier, Bentley
Thursday May 26	9:00 AM to 10:45 AM	WORKSHOP	<b>Develop an Interactive Web GIS</b> This hands-on workshop will focus on creating a basic web-based GIS application using Bentley Geo Web Publisher.	Nicolas Loubier, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Tips and Tricks for Bentley Map Users</b> This session will uncover the hidden potential of Bentley's powerful desktop GIS product. Several useful tips and tricks will be presented to make your Bentley Map experience even better.	Keith Raymond, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>How Do I Spatially Index Data?</b> In this workshop for Bentley Geospatial Server users you'll learn how to spatially index and administer your database to improve the performance and usefulness of geospatial information.	Nicolas Loubier, Bentley

DATE	TIME	SESSION	<i>Geospatial Continued</i>	PRESENTER
Thursday May 26	3:00 PM to 4:45 PM	WORKSHOP	<b>Bentley Map Development</b> Do you need to customize Bentley Map? This session will cover the new V8i (SELECTseries 2) APIs, which include Map Manager functionality and Oracle Spatial interoperability. You'll create a simple mapping application that will perform spatial analysis, generate a report, and produce a custom thematic map. Experience with open APIs and custom application development using C/C++, C#, Visual Basic .NET or VBA development languages is suggested.	Jeff Bielefeld, Bentley
<b>CONFERENCE TRACK: MicroStation and ProjectWise</b>				
Monday May 23	12:00 PM to 1:45 PM	USABILITY - CLASSROOM	<b>MicroStation Drawing Composition Workflows With Dynamic Views Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on improving drawing production workflows leveraging dynamic views, model documentation, and project standards. You will be asked to provide feedback on software creating construction deliverables from 3D models. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Gino Cortesi, Bentley
Monday May 23	1:00 PM to 4:45 PM	WORKSHOP	<b>GenerativeComponents Development Workshop</b> The GenerativeComponents Development Workshop is an introductory workshop to extending GC's capabilities through programming for participants with advanced knowledge of GC and coding in C#. Participants will learn how to get started extending GC programmatically using a development environment. Goal is that participants leave the workshop knowing how to develop dynamically linked libraries (DLLs) containing GC functions or features.	Volker Mueller, Bentley, Makai Smith, Bentley, Xun Zhou, Bentley
Monday May 23	2:00 PM to 3:45 PM	USABILITY - CLASSROOM	<b>Intuitive Design Modeling With MicroStation Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on new 3D modeling tools and user interaction. You will be asked to provide feedback on the design and usability of current and future 3d modeling tools. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Gino Cortesi and Dan Abney, Bentley
Monday May 23	3:00 PM to 4:45 PM	WORKSHOP	<b>Working with the New ProjectWise V8i Administration Tools (Encore)</b> ProjectWise V8i (SELECTseries 3) offers extensive new functionality for administering ProjectWise. This hands-on session will enable you to learn how these tools can benefit your organization.	Arbie Parker and Juan Riat, Bentley
Monday May 23	5:00 PM to 6:45 PM	USABILITY - CLASSROOM	<b>Navigator Markup Workflows Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on improving review and approval workflows leveraging markup creation and management tools from a host of different applications. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Paul Johnson, Bentley
Monday May 23	7:00 PM to 8:45 PM	USABILITY - CLASSROOM	<b>ProjectWise Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on future development projects under consideration by the ProjectWise team. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	ProjectWise Team
Tuesday May 24	10:00 AM to 11:45 AM	USABILITY - CLASSROOM	<b>Usability Lab for ProjectWise Explorer and Bentley Navigator for the iPad</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. With the explosion of tablets and Smartphone's, users want to take their engineering data to the field with their mobile device. Bentley has a new set of mobile products enabling users to publish and view engineering data on tablets. Bentley's new iPad applications (ProjectWise Explorer and Bentley Navigator for the iPad) enable project participants to package managed content (Office, PDF, i-models) for review by field workers who are typically disconnected. Field workers can review, query objects and markup i-models on their iPad using new panoramic navigation found in Bentley Navigator for the iPad. The iPad applications support Markup Synchronization and Provenance enabling field worker comments to be synchronized with the design files. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Mark Dane, Bentley
Tuesday May 24	10:00 AM to 11:45 AM	WORKSHOP	<b>Configuring MicroStation and Controlling Standards</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will cover the powerful capabilities of MicroStation workspaces and configurations. You will learn how to make the most of them to create the optimal configurations for users and your projects. Key topics will include workspaces, configurations, and standards.	Steve Rick, Bentley

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Tuesday May 24	10:00 AM to 11:45 AM	WORKSHOP	<b>Get Your Hands on MicroStation V8i (SELECTseries 2)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop provides an opportunity to experience the latest capabilities of MicroStation V8i (SELECTseries 2). You'll learn how innovations in MicroStation can help you be more productive and consistent. Key topics covered will include interoperability, geo-coordination, dynamic views, design modeling and design review.	Inga Morozoff, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Discover the Value in MicroStation V8i (SELECTseries 2)</b> MicroStation V8i (SELECTseries 2) delivers incredible value and an impressive array of new capabilities. In this session you will see the most popular enhancements and learn how they can help your teams create better designs and more efficiently produce project deliverables.	John Frampton, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Configurations, DGNLibs, and Workspaces - Putting It All Together</b> Designed for MicroStation users and CAD administrators, this seminar will be a deep dive into the powerful capabilities of MicroStation workspaces and configurations. You will learn how to make the most of them to create the optimal configurations for users and your projects. Key topics will include workspaces, configurations, and standards.	Sam Hendrick, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Introduction to ProjectWise Collaboration Services</b> This session will provide you with a good understanding of Bentley's project team collaboration offerings and how they can help your team deliver projects on time, on budget, and with reduced risk.	Stephen Jolley, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>What's New in ProjectWise Integration Server V8i</b> For the ProjectWise administrator: This seminar describes the new capabilities and value delivered by ProjectWise Integration Server V8i. Key topics covered include new services and capabilities, application integrations, performance optimizations, supported platforms, and considerations for upgrading to ProjectWise Integration Server V8i.	John Schown, Bentley
Tuesday May 24	1:00 PM to 1:45 PM	LECTURE	<b>Platform Products Keynote</b> In this session the product team will present and demonstrate exciting innovations in Bentley's core product lines. This session will provide an overview for the entire MicroStation and ProjectWise conference tracks. This is one session you don't want to miss. Expect to see practical innovations in user experience, visualization, 3D modeling, and design collaboration.	Harry Vitelli, Bentley
Tuesday May 24	1:00 PM to 2:45 PM	WORKSHOP	<b>Get Your Hands on MicroStation V8i (SELECTseries 2)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop provides an opportunity to experience the latest capabilities of MicroStation V8i (SELECTseries 2). You'll learn how innovations in MicroStation can help you be more productive and consistent. Key topics covered will include interoperability, geo-coordination, dynamic views, design modeling and design review.	Inga Morozoff, Bentley
Tuesday May 24	1:00 PM to 2:45 PM	WORKSHOP	<b>Configuring MicroStation and Controlling Standards</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will cover the powerful capabilities of MicroStation workspaces and configurations. You will learn how to make the most of them to create the optimal configurations for users and your projects. Key topics will include workspaces, configurations, and standards.	Sam Hendrick, Bentley
Tuesday May 24	1:00 PM to 2:45 PM	WORKSHOP	<b>Best Practices for Using Markups in Bentley Navigator</b> Designed for the senior engineer and technical manager, this hands-on workshop will highlight functionality and workflows to get the most out of redlinning in Bentley Navigator.	Bill DiGregorio and Gary Scerni, Bentley
Tuesday May 24	1:00 PM to 2:45 PM	WORKSHOP	<b>Working with the New ProjectWise V8i Administration Tools</b> ProjectWise V8i (SELECTseries 3) offers extensive new functionality for administering ProjectWise. This hands-on session will enable you to learn how these tools can benefit your organization.	Arbie Parker and Juan Riat, Bentley
Tuesday May 24	1:00 PM to 2:45 PM	USABILITY - CLASSROOM	<b>Navigator Markup Workflows Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on improving review and approval workflows leveraging markup creation and management tools from a host of different applications. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Paul Johnson, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>Creating Project-Winning Visualisation with Iterative Luxology Rendering</b> In this session you'll get an in-depth look at how the Luxology rendering engine is speeding design visualization in MicroStation V8i by providing near-real-time rendering. You'll learn how the Luxology engine: saves you time and enables you to render more images more quickly; improves the quality of rendered images for stakeholder review and buy-in; and makes it easier to deliver TV- and film-quality renderings and animations from 3D models.	Jerry Flynn, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>Annotation Scale: What Are You Waiting For?</b> Designed for MicroStation users and CAD managers, this seminar will explain how annotation scale can be implemented as part of your project standards, and how to integrate it into your drawing production workflows. Key topics will include drawing composition, annotation scale, and standards management.	Tom Stogdill, Bentley

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>Streamlining Design Review Workflows</b> Designed for the senior engineer and manager, this seminar will explain how Bentley is making project review dynamic by integrating information, software, and processes. Key offerings discussed will include i-models, Bentley Navigator, and ProjectWise Dynamic Plot. See how these offerings enable users to view, analyze, and augment information in dynamically collaborative workflows.	Joe Granville, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>What's New in ProjectWise InterPlot V8i</b> Designed for the CAD manager, technical manager, and ProjectWise administrator, this seminar will provide an overview of the advancements and new functionality offered by ProjectWise InterPlot V8i. Key topics covered will include application integration, format support, PDF, and new printer/plotter support.	John Simmons, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>Intuitive Design Modeling in MicroStation V8i (SELECTseries 2)</b> Designed for all MicroStation users, this seminar will allow you to see and experience all of the latest innovations for intuitive design modeling in MicroStation V8i. It will also teach you how to apply them to your production modeling workflows. Key topics will include solids, surface, and mesh modeling, and include an introduction to GenerativeComponents.	Steve Rick, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>Efficient Drawing Management with Dynamic Views in MicroStation V8i (SELECTseries 2)</b> Designed for MicroStation users and CAD administrators, this seminar will introduce you to the best practices for implementing dynamic views in your drawing production workflows. You will also learn how to properly integrate standards into those workflows. Key topics will include dynamic views, sheet models, annotations, and styles.	Tom Stogdill, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	USABILITY - CLASSROOM	<b>MicroStation Drawing Composition Workflows With Dynamic Views Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on improving drawing production workflows leveraging dynamic views, model documentation, and project standards. You will be asked to provide feedback on software creating construction deliverables from 3D models. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Gino Cortesi, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>Working with MicroStation Print Organizer</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will provide an opportunity to work with MicroStation's Integrated Print Organizer and show you how to reliably produce consistent, intelligent deliverables. Key topics will include sheet models, print styles, and PDF output.	Shawn McGaffick, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>Programming and Customizing MicroStation Using VBA</b> Designed for programmers and CAD administrators, this hands-on workshop will introduce you to the various features of Visual Basic for Applications as implemented in MicroStation V8i. Several macros will be created that demonstrate the process and options available. To attend, the minimum requirement is familiarity with Visual Basic programming.	Mark Anderson, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>Introducing the ProjectWise PDF Generation Service</b> In this seminar you'll learn more about the upcoming ProjectWise PDF Generation Service. You'll find out how you can benefit from its ability to automate the generation of PDFs from multiple source content.	John Simmons, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>ProjectWise Dynamic Plot Test Drive</b> This hands-on workshop will provide an opportunity to make digital comments from ink-based redlines. Key concepts discussed will include creating markups on paper, the markup digital conversion process, managing comments and markups, and supported printers/plotters.	Nate Good, HNTB; Bill DiGregorio and Juan Riat, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>ProjectWise Integration Server Hands On</b> Designed for the ProjectWise administrator, this hands-on workshop will provide an opportunity to experience the latest capabilities of ProjectWise Integration Server V8i. Key topics covered include user enhancements, administrative improvements, new application integrations, and new web-based capabilities.	Kevin Boland and Arbie Parker, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>What's New in Bentley Navigator V8i</b> This seminar will highlight the new enhancements to the recently released Bentley Navigator V8i (SELECTseries 3) including support for Industry Foundation Classes, clash result groupings, bidirectional dynamic scheduling, improvements in workflows and reporting for constructors who need to not only detect conflicts but also resolve them, new markup templates, and more.	Joe Granville, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	USABILITY - CLASSROOM	<b>Bentley Information Center Project Usability Lab</b> A Usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This usability lab is focused on getting information to Bentley product users -- and vice versa -- based on the context of the product, computer and the user. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Phil Chouinard, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>Tips and Tricks in MicroStation V8i (SELECTseries 2)</b> Designed for MicroStation users and CAD managers, this seminar will cover all the latest and coolest tips and tricks for getting the most out of MicroStation V8i (SELECTseries 2)	Inga Morozoff, Bentley

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>What's in ProjectWise for the CAD user?</b> This session will provide a detailed overview of all of ProjectWise's capabilities for the MicroStation and AutoCAD user.	Mark Hattersley, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>Using ProjectWise Web Server with SharePoint</b> In this session we'll discuss the key benefits of using SharePoint and ProjectWise, what options are available when setting up a SharePoint/ProjectWise environment and how to do decide when to use SharePoint or ProjectWise or both.	Sean Keene, Hansen and Rimantas Varanavicius, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>Innovations in Generative Design</b> Designed for MicroStation users and computational designers, this seminar will give you an overview of the exciting work and research being done by the world's leading computational designers. You will learn how firms approach and solve design problems to meet the needs of the world's most advanced projects.	Makai Smith, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>DWG Interoperability with MicroStation V8i</b> Designed for MicroStation users and administrators, this seminar will show you how you can work with data in the DWG format and efficiently interchange that data with project participants. Key topics will include Autodesk RealDWG, standards, and batch operations.	Tom Stogdill, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	USABILITY - CLASSROOM	<b>ProjectWise Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on future development projects under consideration by the ProjectWise team. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	ProjectWise Team
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Working With Dynamic Views for Drawing Composition</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will teach you the best practices for implementing dynamic views in your drawing production workflows. You will also learn how to properly integrate standards into those workflows. Key topics will include dynamic views, sheet models, annotations, and styles.	Samir Haque, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Test Drive MicroStation Intuitive Modeling</b> Designed for MicroStation users, this hands-on workshop is an opportunity to experience the latest innovations for intuitive design modeling in MicroStation V8i (SELECTseries 1) and learn how to apply them to your production modeling workflows. Key topics will include solids, surface, and mesh modeling as well as an introduction to GenerativeComponents.	Steve Rick, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Configuring MicroStation and Controlling Standards (Encore 2)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will cover the powerful capabilities of MicroStation workspaces and configurations. You will learn how to make the most of them to create the optimal configurations for users and your projects. Key topics will include workspaces, configurations, and standards.	Sam Hendrick, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>Combining Project Team Collaboration with Operational Data (ProjectWise and eB)</b> In this session you'll learn how Bentley's ProjectWise and eB solutions can holistically manage the entire infrastructure asset lifecycle, from design through operations.	John Schown and Sam Migliore, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>Harnessing the Power of ProjectWise Environments</b> This session will focus on automating the data that goes into your attributes. By making it easier to enter and maintain this data you will empower the users to quickly find ProjectWise documents, gather statistics about documents and increase the reliability of the data in the system. This session is targeted for ProjectWise Administrators who already know how to create an environment and are ready to take that environment to the next level without needing access directly to the database. Everything done in this class will be based on the ProjectWise GUI.	Vickie Hewitt, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>ProjectWise InterPlot Hands On</b> Designed for the CAD manager, engineer, and ProjectWise administrator, this hands-on workshop provides an opportunity to experience the capabilities of ProjectWise InterPlot V8i. Key topics covered will include plan set creation and management, standards application, presentation control, and rich PDF production.	J.P. Gauthier, TTC and Jeff North, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>ProjectWise Web Parts in Real World Websites</b> Designed for the ProjectWise administrator and IT manager, this hands-on workshop (an extension of seminar "Using ProjectWise Web Server with SharePoint") will show the participants how to setup a SharePoint/ProjectWise environment, how to integrate specific projects or folders from ProjectWise to SharePoint using web parts and also how to setup SharePoint tasks and workflows that use ProjectWise web links to access files.	Rimantas Varanavicius, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Increasing Productivity with Interactive Dynamic Drawing Composition Workflows in MicroStation V8i</b> See how all of the great capabilities in MicroStation V8i enhance drawing composition workflows. In this session you'll learn how to leverage dynamic views, Project Explorer and Print Organizer in MicroStation V8i to increase your team's productivity.	John Frampton, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Customizing the Task-Based Interface in MicroStation V8i (SELECTseries 2)</b> Designed for MicroStation users and CAD managers, this seminar will include 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 will include user interface, task-based interfaces, and named expressions.	Tim Grimm, LMN Architects

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>ProjectWise for Revit Users</b> Designed for ProjectWise administrators and BIM coordinators, this seminar will describe how Revit projects and data can be managed by ProjectWise. Key topics covered will include how ProjectWise can optimize Revit project workflows, ProjectWise services for Revit users, and how Revit data can be transformed for dynamic collaboration.	Mark Hattersley, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>ProjectWise Spatial Capabilities</b> This seminar will describe how spatial data is relative to all projects and provide an overview of the spatial data management capabilities of ProjectWise.	Nicholas Loubier , Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>Optimizing Deliverable Creation with MicroStation's Integrated Print Organizer</b> MicroStation V8i includes a new Integrated Print Organizer that allows efficient and intelligent multi-sheet printing to hardcopy and electronic formats. In this session you will learn how this new best-in-class printing system can be utilized to decrease overhead and increase throughput of project deliverables.	Shawn McGaffick, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>Insightful Design Review in MicroStation V8i (SELECTseries 2)</b> Designed for MicroStation users and project coordinators, this seminar will focus on how to leverage the insightful design review capabilities in MicroStation V8i (SELECTseries 2) to facilitate collaborative design review workflows. Key topics will include markup and clash resolution workflows in MicroStation.	Samir Haque, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	USABILITY - CLASSROOM	<b>Intuitive Design Modeling With MicroStation Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on new 3D modeling tools and user interaction. You will be asked to provide feedback on the design and usability of current and future 3d modeling tools. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Gino Cortesi and Dan Abney, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Working with DWG and other Formats in MicroStation</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will show you how you can work with data in DWG format and efficiently interchange that data with project participants. Key topics will include Real DWG, standards, and batch operations.	Tom Stogdill, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Test Drive the Luxology Rendering System</b> Designed for MicroStation users and visualization aficionados, this hands-on workshop will provide an opportunity to learn how to create impressive visualizations in MicroStation using the iterative Luxology rendering engine. Key topics will include camera setup, materials, lighting, and animations.	Steve Rick, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Best Practices for Using Clash Detection in Navigator</b> Designed for the senior engineer and technical manager, this hands-on workshop will provide an opportunity to experience clash detection and resolution workflows using Bentley Navigator V8i. Key concepts covered will include data preparation for clash detection, detecting and resolving clashes, and applying clash suppression rules.	Bill McNamara, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>ProjectWise for MicroStation/Navigator users</b> Get a hands-on user's perspective of ProjectWise solutions for MicroStation users. Learn more about how ProjectWise can address the project team collaboration needs of MicroStation users.	Bill DiGregorio and Gary Scerni, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>Tips and Tricks for the ProjectWise Administrator</b> In this session, Bentley Professional Services will share best practices and some hidden gems for the ProjectWise administrator.	Arbie Parker, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>Using ProjectWise for Standards Compliance</b> This session will review the use of ProjectWise for ensuring compliance with a national construction standard.	Graham Hirst, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>Creating Civil Animations with MicroStation V8i (SELECTseries 3)</b> MicroStation V8i (SELECTseries 3) includes powerful new tools for easily creating visualizations and animations of civil projects. In this session you'll learn about new tools for populating models with content, creating pavement markings, and animating traffic that make it easy to bring your models to life.	Jerry Flynn, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>Upgrading to MicroStation V8i (SELECTseries 2)</b> Designed for MicroStation users and administrators, this seminar will give you a detailed overview of the benefits of upgrading to MicroStation V8i (SELECTseries 2). It will also show you how to best leverage the latest innovations in MicroStation to improve your team's productivity. Key topics will include upgrade considerations, deployment strategies, new workflows, and user training.	Shawn McGaffick, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>Producing Deliverables with ProjectWise InterPlot</b> This seminar will provide an overview of the capabilities for documentation and production of deliverables using ProjectWise InterPlot.	Jo Terri Wright, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>What's New with ProjectWise for Web Users</b> This session will review the enhancements and capabilities of the ProjectWise Web interface, including the new ProjectWise Navigator web part.	Rimantas Varanavicius, Bentley

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>MicroStation V8i (SELECTseries 3) Sneak Peak</b> Get an early look at the next version of MicroStation V8i and learn what beta users are saying about the latest innovations in this upcoming release. This session will highlight how MicroStation V8i (SELECTseries 3) will continue the tradition of delivering high-value updates and innovations to improve productivity and workflows in your organization.	Chris Bober, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Civil Visualization with MicroStation V8i</b> Designed for MicroStation users and visualization aficionados, this hands-on workshop will focus on how to create impressive renderings and animations for civil engineering projects using the Luxology rendering engine. Key topics will include integrating realistic content, setting up views and environments, and simulating traffic.	Jerry Flynn, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Test Drive GenerativeComponents</b> Designed for MicroStation users and computational designers, this hands-on workshop is an opportunity to experience the power and flexibility of GenerativeComponents. You'll learn how to leverage associative, parametric modeling to solve practical engineering problems. Key topics will include scripting, transactions, symbolic diagrams, feature creation, and editing.	Samir Haque, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Bentley Navigator Hands On</b> Designed for the senior engineer and technical manager, this hands-on workshop will provide an overview of ProjectWise Navigator V8i. Key topics covered will include creating i-models, authoring and managing markups/redline comments, 3D navigation, and interaction with business data.	Rob Riley, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>Leveraging ProjectWise Online to Embrace Consultant Workflows</b> In this session you'll learn how Bentley's ProjectWise Online hosted offering can help connect organizations across corporate boundaries while maintaining network independence.	Al Gray, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>Bentley and the iPad</b> This lecture will be a detailed overview of the new capabilities to be offered with Bentley's upcoming iPad application for mobile and disconnected users. The future roadmap for Bentley's mobile applications will also be discussed. Learn more about how to incorporate mobile devices like the iPad as part of a dynamic review workflow.	Stephen Jolley, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>ProjectWise for Autodesk Users</b> In this session you'll get a hands-on user perspective 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.	Mark Hattersley and Vickie Hewitt, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	USABILITY - CLASSROOM	<b>ProjectWise Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on future development projects under consideration by the ProjectWise team. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	ProjectWise Team
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Rapid-Prototyping Workflows with Intuitive Design Modeling in MicroStation V8i (SELECTseries 2)</b> MicroStation V8i (SELECTseries 2) includes a comprehensive set of conceptual design, 3D modeling and rapid prototyping tools to facilitate intuitive design modeling and rapid prototyping workflows. In this session you will learn how to leverage everything from simple sketch to associative parametric tools to create conceptual and design models, award winning visualizations, and 3D print models.	Shawn McGaffick, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Tips and Tricks in MicroStation V8i (SELECTseries 2) (Encore)</b> Designed for MicroStation users and CAD managers, this seminar will cover all the latest and coolest tips and tricks for getting the most out of MicroStation V8i (SELECTseries 2)	Inga Morozoff, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Strategies for Enterprise Adoption of ProjectWise</b> Designed for the ProjectWise administrator and IT manager, this seminar provides expert advice on how to expand the use of ProjectWise throughout your organization. Key concepts covered will include managing change, system readiness evaluation, and business strategies.	Al Gray, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Best Practices for ProjectWise in Design/Construction Projects</b> In this session you'll learn about the value and capabilities ProjectWise provides to construction contractors and their projects.	Stephen Jolley, Bentley
Wednesday May 25	5:00 PM to 6:45 PM	USABILITY - CLASSROOM	<b>Navigator Markup Workflows Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on improving review and approval workflows leveraging markup creation and management tools from a host of different applications. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Paul Johnson, Bentley

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Wednesday May 25	7:00 PM to 8:45 PM	USABILITY - CLASSROOM	<b>MicroStation Drawing Composition Workflows With Dynamic Views Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on improving drawing production workflows leveraging dynamic views, model documentation, and project standards. You will be asked to provide feedback on software creating construction deliverables from 3D models. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Gino Cortesi, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Dynamic Views 4.0 - The Next Frontier in Accurately Documenting Your Projects</b> MicroStation V8i (SELECTseries 3) includes a powerful new capability that enables users to create intelligent documentation from information models. In this session you'll learn how this capability automatically links project documentation with the models and infuses the construction information into the model within the proper context.	John Frampton, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Tips and Tricks for Luxology Rendering and Animation</b> Designed for MicroStation users and visualization aficionados, this seminar will cover the coolest and most productive features in MicroStation's industry leading visualization capabilities. Key topics will include secrets to making the best materials, tweaking lighting for expert results, and producing stunning renderings on a tight schedule.	Jerry Flynn, Bentley
Thursday May 26	8:00 AM to 9:45 AM	USABILITY - CLASSROOM	<b>Usability Lab for ProjectWise Explorer and Bentley Navigator for the iPad</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. With the explosion of tablets and Smartphone's, users want to take their engineering data to the field with their mobile device. Bentley has a new set of mobile products enabling users to publish and view engineering data on tablets. Bentley's new iPad applications (ProjectWise Explorer and Bentley Navigator for the iPad) enable project participants to package managed content (Office, PDF, i-models) for review by field workers who are typically disconnected. Field workers can review, query objects and markup i-models on their iPad using new panoramic navigation found in Bentley Navigator for the iPad. The iPad applications support Markup Synchronization and Provenance enabling field worker comments to be synchronized with the design files. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Mark Dane, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<b>Get Your Hands on MicroStation V8i (SELECTseries 2) (Encore)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop provides an opportunity to experience the latest capabilities of MicroStation V8i (SELECTseries 2). You'll learn how innovations in MicroStation can help you be more productive and consistent. Key topics covered will include interoperability, geo-coordination, dynamic views, design modeling and design review.	Inga Morozoff, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<b>Consistent Drawing Production with Annotation Scale</b> Designed for MicroStation users and CAD administrators, this hands on workshop will focus on how annotation scale can be implemented as a part of your project standards and how to integrate it into your drawing production workflows. Key topics will include drawing composition, annotation scale, and standards management.	Tom Stogdill, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>ProjectWise Failover &amp; Backup</b> ProjectWise Administrators will benefit from this session. Presenters will discuss best practices for configuring backups and failover processes for ProjectWise.	Eddie Anderson and Kevin Boland, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Case Study: How Hatch Leverages Bentley Navigator V8i for Design Review</b> In this session you will learn how Hatch leverages Bentley Navigator for coordination and design review for large EPC projects. They'll discuss the use Bentley Navigator on specific projects and the key benefits that they received as a result.	Scott Gehrman, Hatch
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<b>Advanced Tips and Tricks for Publishing using ProjectWise InterPlot</b> Designed for the CAD manager and ProjectWise administrator, this hands-on workshop will provide an opportunity to learn advanced concepts for publishing engineering data with ProjectWise InterPlot V8i. Key concepts covered will include tips and tricks on managing plan sets and associated plotting resources, applying standards to project drawings, controlling the presentation of plotted drawings, and creating rich PDFs.	Arbie Parker and Graham Hirst, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<b>ProjectWise Dependency Services</b> Designed for the project manager, designer, and engineer, this hands-on workshop will provide an opportunity to interact with new ProjectWise Dependency Services. Key concepts covered will include visualizing inherent dependencies, creating new dependencies, and managing dependencies between information and disciplines.	John Schown, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>Creating Visual Relationships with GenerativeComponents V8i (SELECTseries 3)</b> GenerativeComponents V8i (SELECTseries 3) includes a new interface for intuitively creating relationships between parametric objects. This makes the power of GenerativeComponents accessible to users of all levels and enables them to explore design options in an intuitive way. In this session you will see how to easily create parametric assemblies that can be used on your projects.	Makai Smith, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>Customizing the Task-Based Interface in MicroStation V8i (SELECTseries 2) (Encore)</b> Designed for MicroStation users and CAD managers, this seminar will include 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 will include user interface, task-based interfaces, and named expressions.	Tim Grimm, LMN Architects

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>Technical Best Practices on Caching Routing Configuration</b> In this session, a ProjectWise administrator will share his real-world experience optimizing network configurations for routing and caching.	Kevin Van Haaren, HNTB
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>Case Study: How Bentley Navigator V8i Improved Tocci's Design Review Workflow</b> As a case study this seminar will review a timeline of Tocci Building Companies Navigator V8i implementation. Tocci will share some insight into the initial training, the on the job learning, and road bumps experienced throughout and will breakdown the processes developed, refined and implemented today, by sharing a few examples of project work over the last year.	Courtney Pagani, Tocci Building Companies
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>Working with Dynamic Views for Drawing Composition (Encore)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will teach you the best practices for implementing dynamic Views in your drawing production workflows. You will also learn how to properly integrate standards into those workflows. Key topics will include dynamic views, sheet models, annotations, and styles.	Samir Haque, Bentley
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>Architectural Visualization with MicroStation V8i</b> Designed for MicroStation users and visualization aficionados, this hands-on workshop will focus on learning how to create impressive renderings and animations for architecture projects using the Luxology rendering engine. Key topics will include camera set up, materials, lighting, and animations.	Jerry Flynn, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Upgrading to MicroStation V8i (SELECTseries 2) (Encore)</b> Designed for MicroStation users and administrators, this seminar will give you a detailed overview of the benefits of upgrading to MicroStation V8i (SELECTseries 2). It will also show you how to best leverage the latest innovations in MicroStation to improve your team's productivity. Key topics will include upgrade considerations, deployment strategies, new workflows, and user training.	Shawn McGaffick, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Best Practices on Migrating to ProjectWise Integration Server V8i (SELECTseries 3)</b> Designed for the ProjectWise administrator, this session presented by Bentley Professional Services will share lessons learned to ensure a simple and smooth upgrade to V8i (SELECTseries 3).	Eddie Anderson and Kevin Boland, Bentley
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>ProjectWise Integration Server Test Drive</b> Designed for the experienced ProjectWise user, this hands-on session will provide the opportunity to learn more about the new capabilities delivered in the latest version.	Arbie Parker and Juan Riat, Bentley
Thursday May 26	10:00 AM to 11:45 AM	USABILITY - CLASSROOM	<b>Intuitive Design Modeling With MicroStation Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on new 3D modeling tools and user interaction. You will be asked to provide feedback on the design and usability of current and future 3d modeling tools. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Gino Cortesi and Dan Abney, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Intrinsically Geo-Coordinating Content for Project Design and Documentation</b> By attending this session you will learn how MicroStation V8i delivers an approach to geo-coordination that fully embraces all types of GIS and AEC information for broad reuse by all project stakeholders. You'll also see how MicroStation V8i's intrinsic geo-coordination lets users coordinate information spatially from many sources using common coordinate systems.	Inga Morozoff, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Best Practices for Configuring and Optimizing Security with ProjectWise V8i</b> Designed for ProjectWise administrators, this seminar will include all the information required to configure and optimize security settings. Key topics will include document and folder security, methodologies for providing secure remote access, and expanding a ProjectWise collaboration system while maintaining security.	Eddie Anderson, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Best Practices for Leveraging Dynamic Review in a ProjectWise Environment</b> Designed for managers and ProjectWise users, this seminar will focus on how to get the best out of Bentley Navigator when integrated in a ProjectWise environment. It will highlight functionality and workflows specific to ProjectWise.	Bill DiGregorio, Bentley
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Data Interoperability with MicroStation V8i (SELECTseries 2)</b> MicroStation V8i (SELECTseries 2) provides users with the best solution for leveraging data from many sources to create accurate models of engineering and architecture products. In this session you will learn about the vast array of options to quickly create and share your project information in a variety of formats.	Steve Rick, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Working with DWG and other Formats in MicroStation (Encore)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will show you how you can work with data in DWG format and efficiently interchange that data with project participants. Key topics will include Real DWG, standards and batch operations.	Tom Stogdill, Bentley

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Working with MicroStation Print Organizer (Encore)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will provide an opportunity to work with MicroStation's Integrated Print Organizer and show you how to reliably produce consistent, intelligent deliverables. Key topics will include sheet models, print styles, and PDF output.	Shawn McGaffick, Bentley
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>DWG Interoperability with MicroStation V8i (Encore)</b> Designed for MicroStation users and administrators, this seminar will show you how you can work with data in the DWG format and efficiently interchange that data with project participants. Key topics will include Autodesk RealDWG, standards, and batch operations.	Samir Haque, Bentley
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Case Study: How CDM is Scaling Their ProjectWise Implementation to the Enterprise</b> Join Andy King for a review of how CDM has evolved their ProjectWise implementation to support its global enterprise growth and increased reliance on ProjectWise. Topics discussed are; Load Balancing ProjectWise Servers, migrating ProjectWise to a remote Data Centers, Challenges with storage growth, Secure Internet client access, and supporting ProjectWise integrated Auto plant in a WAN environment.	Andy King, CDM
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Managing and Automating PW Network Control Panel Configuration</b> In a perfect world, users would stay in one place so we could establish one ProjectWise Network Control Panel and never worry about it. In the real world users move from office to office, to home, to Client's office, and expect ProjectWise to just 'figure out' how to connect. This session will look at a number of different ways to configure the ProjectWise Network Control Panel to simplify management of users both in the office and on the road.	Tim Poth, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Best Practices for ProjectWise Integration Server Troubleshooting and Performance Tuning</b> Designed for the ProjectWise administrator, this session will cover how to best manage your ProjectWise system and optimize the user experience.	Kevin Boland, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Tips &amp; Tricks in Bentley Navigator V8i</b> This workshop you'll have the opportunity to learn and apply tips and tricks on how to best use Bentley Navigator for construction workflows.	Courtney Pagani, Tocci Building Companies
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>Configurations, DGNLibs, and Workspaces - Putting It All Together (Encore)</b> Designed for MicroStation users and CAD administrators, this seminar will be a deep dive into the powerful capabilities of MicroStation workspaces and configurations. You will learn how to make the most of them to create the optimal configurations for users and your projects. Key topics will include workspaces, configurations, and standards.	Sam Hendrick, Bentley
Thursday May 26	3:00 PM to 3:45 PM	LECTURE	<b>Leveraging Point Clouds in MicroStation and/or Descartes Workflows</b> This seminar will highlight the capabilities that both Descartes and MicroStation users can benefit from by incorporating point clouds into their workflows. With the integration of the Pointools vortex engine, MicroStation V8i now enables users to display and work with point cloud data to provide better context for their designs. And Descartes V8i (SELECTseries 3) users will have a new range of tools to both edit point cloud data and drape geometry and export using 3D tiles when introduced later this year. Learn how both tools facilitate the delivery of infrastructure projects through robust point cloud capabilities.	Steve Rick, Bentley
Thursday May 26	3:00 PM to 4:45 PM	WORKSHOP	<b>Best Practices for ProjectWise Integration Server Troubleshooting and Performance Tuning (Encore)</b> Designed for the ProjectWise administrator, this session will cover how to best manage your ProjectWise system and optimize the user experience.	Kevin Boland, Bentley
Thursday May 26	3:00 PM to 4:45 PM	WORKSHOP	<b>Configuring MicroStation and Controlling Standards (Encore)</b> Designed for MicroStation users and CAD administrators, this hands-on workshop will cover the powerful capabilities of MicroStation workspaces and configurations. You will learn how to make the most of them to create the optimal configurations for users and your projects. Key topics will include workspaces, configurations, and standards.	Sam Hendrick, Bentley
Thursday May 26	3:00 PM to 4:45 PM	WORKSHOP	<b>Programming and Customizing MicroStation Using VBA (Encore)</b> Designed for programmers and CAD administrators, this hands-on workshop will introduce you to the various features of Visual Basic for Applications as implemented in MicroStation V8i. Several macros will be created that demonstrate the process and options available. To attend, the minimum requirement is familiarity with Visual Basic programming.	Mark Anderson, Bentley
Thursday May 26	3:00 PM to 4:45 PM	WORKSHOP	<b>Publishing i-models 101</b> Designed for senior engineers and technical managers, this workshop will explain what i-models are, how to publish them, and what they can be used for.	Tony DeRosa, Bentley
Thursday May 26	3:00 PM to 4:45 PM	USABILITY - CLASSROOM	<b>GenerativeComponents Usability Lab</b> A usability lab is a unique opportunity to experience new software in exchange for your honest feedback. This lab will be focused on exploring the new Graph in GenerativeComponents and its support of graphically composing a transaction script. You will be asked to provide feedback on the user-software interaction as provided by this improved graphic interface. The usability lab is limited to 10 hands-on participants, additional seating will be available for attendees to watch the lab and provide feedback.	Volker Mueller, Bentley, Makai Smith, Bentley, Xun Zhou, Bentley

DATE	TIME	SESSION	<i>MicroStation and ProjectWise Continued</i>	PRESENTER
Thursday May 26	4:00 PM to 4:45 PM	LECTURE	<b>Annotation Scale: What Are You Waiting For? (Encore)</b> Designed for MicroStation users and CAD managers, this seminar will explain how annotation scale can be implemented as part of your project standards, and how to integrate it into your drawing production workflows. Key topics will include drawing composition, annotation scale, and standards management.	Tom Stogdill, Bentley
<b>CONFERENCE TRACK: Plant</b>				
Tuesday May 24	10:30 AM to 11:45 AM	LECTURE	<b>FIATECH Advancing Interoperability and Breakthrough Initiatives</b> This session will bring Bentley users up to date on FIATECH's advancement of interoperability and FIATECH's latest initiatives that encompass some of the most influential technology providers in the world – covering everything from cutting edge software solutions to new emerging materials, lasers, augmented reality, mobile IT, RFID and remote sensing capabilities. All in the FIATECH consortium are united by one goal – to make a step change improvement in the design, engineering, procurement, construction, and maintenance of large capital assets.	Ray Topping, FIATECH
Tuesday May 24	10:30 AM to 12:00 PM	WORKSHOP	<b>OpenPlant Specification Generator - Catalog and Spec Creation (Novice)</b> This hands-on session will cover how to create customer catalogs and piping specifications.	Peter Alspaugh, Bentley
Tuesday May 24	10:30 AM to 12:00 PM	WORKSHOP	<b>OpenPlant - Creating Orthos with Dynamic Views (Novice)</b> This hands-on session will cover the setup of dynamic views to create orthographic drawings.	Tony DeRosa, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Workface Planning in an EPC Environment</b> In this session, you will understand the thought process an EPC goes through when considering the construction planning process to reduce schedules and have an efficiently running construction site.	Jim Craig, Jacobs
Tuesday May 24	1:00 PM to 1:45 PM	LECTURE	<b>Are You Ready for ISO 15926?</b> Is your company ready for ISO 15926? This session will address what you need to do and the issues to consider in order to interoperate with different systems used by other companies, and that are requesting ISO 15926 deliverables.	Anne-Marie Walters, Bentley
Tuesday May 24	1:00 PM to 4:45 PM	WORKSHOP	<b>OpenPlant Modeler - Get a Closer Look (Novice User)</b> In this hands-on session, available several times during Be Together, you will have a chance to touch and use this exciting new piping design application. Come and explore all the features.	Peter Alspaugh, Bentley
Tuesday May 24	1:00 PM to 4:45 PM	WORKSHOP	<b>Using AutoPLANT with ProjectWise (Advanced)</b> This hands-on session covers the integration of AutoPLANT with ProjectWise. The configuration will be covered in a way that by the end of the session you will know what is required at your site.	Brian Earles, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>iRING - Why It Is Important to Our Business</b> iRINGs (ISO 15926 Real Time Interoperable Network Grids) are being implemented by many companies. This session will provide an overview of the approach they are taking, why this is good for their business, and some lessons learned.	Anne-Marie Walters, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>iRING Tools, Bentley Products - Q&amp;A Session</b> The iRING community has developed some really useful tools that together with many Bentley products are enabling real-time, seamless sharing and interoperability of data and information across different organizations and systems. This session will cover these tools and answer the how and why. Attendees will be able to engage in an interactive Q&A session.	Glen Worrall and Manoj Dharwadkar, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>OpenPlant PID and iRING Interoperability</b> OpenPlant PowerPID has been used within the iRING community, integrating with all of Bentley's plant design tools as well as our competitors' tools. In this session, you will learn about some new features, and how to make them work for you at your site.	Rob Harper, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>Successful implementation of OpenPlant</b> During this session you will hear how Beijing Steel has successfully implemented OpenPlant and their plans for using it on a major project.	Shen Yingjun, Beijing Steel
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Using PDx Dynamic Review Service (Novice / Advanced)</b> This hands-on session will cover the setup 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.	Alan Leonard, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Interoperability with AutoPLANT 64-bit (Advanced)</b> This hands-on session will cover the creation of i-models from AutoPLANT, how to use OpenPlant Isometric Manager to create iso's, and interoperability with OpenPlant.	Brian Earles, Bentley

DATE	TIME		SESSION <i>Plant Continued</i>	PRESENTER
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>OpenPlant Modeler in Action - Owner with EPC</b> Procter & Gamble and CH2M Hill review their collaborative effort applying Open Plant Modeler and Power P&ID to plant and skid process design. What are the business drivers leading to the choice of Open Plant tools for collaborative P&G/CH2M Hill projects? P&G will provide the owner perspective of how Open Plant tools can be used to populate a database with equipment specs, operating parameters, and design details to be turned over to manufacturing upon completion of the construction and startup of a plant. CH2M Hill will provide the perspective of why Open Plant tools were chosen to execute the design. What are the advantages of using Power P&ID instead of a non-intelligent design tool? How does the designer work process change with the use of Open Plant Modeler? Join CH2M Hill and P&G in a review of the Open Plant tool set as they share their lessons learned.	Brigid Hayes, Procter and Gamble and Darin Richardson, CH2M Hill
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>ProjectWise PDx Dynamic Review Service - Delivering PDS Data to Your Client Cost Effectively</b> You'll learn in this session how this user implemented PDx Dynamic Review Service to deliver fully intelligent PDS models to their client for wide-spread stakeholder review without expensive review licenses. You will also learn how the user managed the process and delighted its client with the collaboration opportunities this provided and the quality of the information delivered.	Jesús Vázquez, Instituto de Investigaciones Electricas
Wednesday May 25	1:00 PM to 4:45 PM	WORKSHOP	<b>Customizing OpenPlant Modeler (Advanced)</b> This hands-on session will be for the OpenPlant administrator who has some experience with Bentley Class Editor and is interested in customization.	Brian Earles, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>From Outhouse to MBR: Delivering a High Tech Water Reclamation Facility</b> This session will examine how the Ak-Chin Indian Community is constructing a new water reclamation facility to provide additional wastewater treatment capacity for future growth and to improve the quality of recycled water used in the Community. During the design process, Carollo Engineers used 3D Bentley tools, including MicroStation, ProjectWise, PlantSpace, Bentley Structural, Bentley Architecture, and STAAD.Pro, to accelerate the project schedule and to better convey the technical and aesthetic aspects of the design to a diverse group of Community stakeholders	Raj Bhatia, Carollo
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>OpenPlant Modeler in Action - Equipment Supplier</b> This session will detail how a user implemented OpenPlant into production, including our new exciting OpenPlant Modeler plant design application.	Zbigniew Harezlak , Rafako
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Plant and Electrical Keynote</b> In this special Plant and Electrical Keynote you will learn the range of products Bentley offers, where we are today with them, and the future plans Bentley has for these products.	Ken Adamson, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<b>OpenPlant Isometrics Manager (Novice)</b> This hands-on session will cover an introduction to the new stand alone OpenPlant Isometrics Manager.	Brian Earles, Bentley
Thursday May 26	8:00 AM to 11:45 AM	WORKSHOP	<b>OpenPlant Modeler - Get a Closer Look (Novice User)</b> In this hands-on session, available several times during Be Together, you will have a chance to touch and use this exciting new piping design application. Come and explore all the features.	Peter Alspaugh, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>Plant &amp; Electrical Product "Elevator" Pitch</b> This overview session presents a brief update on all of the plant and electrical products for the attendees who will have a conflict in their busy Be Together schedule.	Rob Harper, Ian Robinson and Mike Lambert, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Importing PDMS Models with i-model Technology</b> In this session you will learn how to work with PDMS projects using Bentley Navigator and other applications.	Ole Magne Kvindesland, Norconsult
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>OpenPlant Reporting Customization (Novice)</b> This hands-on session will cover the configuration and creation of custom reports in OpenPlant Reporting.	Tony DeRosa, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>ConstructSim - New Features</b> This session will cover the many new features and enhancements of the new V8i version of ConstructSim. Come and see how you can optimize your construction activities.	Patrick Morton, Bentley
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Bentley Navigator for Plant Users</b> In this session you will learn how to use Bentley Navigator, the leading dynamic collaboration software, to interactively view, analyze, and augment project information. You will also find out how easy it is to do this on your projects.	Tony DeRosa, Bentley
Thursday May 26	1:00 PM to 4:45 PM	WORKSHOP	<b>OpenPlant Isometrics Manager Customization (Advanced)</b> This hands-on session will cover the configuration of OpenPlant Isometrics Manager and customization of iso sheet styles.	Alan Leonard, Bentley

DATE	TIME	SESSION	<i>Plant Continued</i>	PRESENTER
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>AutoPLANT 64-Bit - Tips and Tricks</b> This session will detail the features of the AutoPLANT 64-bit release, including new functionality, i-model creation, and ProjectWise integration.	Brian Earles, Bentley
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>promis•e for Electrical and Instrumentation Design</b> The session will cover how to use promis•e for electrical single line drawings and auto loop generation.	Todd Lenhardt, Bentley
Thursday May 26	3:00 PM to 3:45 PM	LECTURE	<b>Raceway Cable Management Product Update</b> This session will describe in detail the latest updates and features to Bentley Raceway and Cable Management.	Mike Lambert, Bentley
Thursday May 26	4:00 PM to 4:45 PM	LECTURE	<b>Meet the Product Managers - An Interactive Q&amp;A</b> Come and meet the people behind our plant and electrical products. You will hear about their plans for these products and engage in an informative question and answer session.	Ken Adamson, Rob Harper, Ian Robinson and Mike Lambert, Bentley
<b>CONFERENCE TRACK: Roads and Bridges</b>				
Monday May 23	1:00 PM to 4:45 PM	WORKSHOP	<b>MicroStation for Civil Engineers (For InRoads, GEOPAK and MX Users)</b> This workshop will look into the new advances in technology for civil designers and enable you to gain hands-on experience. Topics will include coordinate systems, projections, Civil AccuDraw, and other civil related tools.	Mike Barkasi, Bentley
Monday May 23	1:00 PM to 4:45 PM	WORKSHOP	<b>Customizing XSLs for XML Reports (For InRoads and GEOPAK Users)</b> You don't have to be a computer hacker to create custom reports with your own look and feel. Get more information on customizing XSLs for XML reports as this workshop will address one of the top support categories: How can I change that report format?	Kevin McDonald, Bentley
Tuesday May 24	10:00 AM to 11:45 AM	WORKSHOP	<b>New Tools: Creating Roundabout Libraries (For InRoads, GEOPAK and MX Users)</b> Just as typical sections are not always typical, so are typical roundabouts not always typical. In this hands-on workshop, you'll learn how to create a library of roundabouts and use it, or roundabouts delivered in the software, to build your resources and create roundabouts in an easy "drag-and-drop-and-edit-and-done" process.	Art Sabia, Bentley
Tuesday May 24	10:00 AM to 11:45 AM	WORKSHOP	<b>Fundamentals of gINT Professional</b> This workshop will cover the fundamentals necessary to become comfortable with the gINT Professional product. Topics will include customizing gINT for your workflow (formatting table grids in INPUT, modifying field properties, and grid input techniques), site maps and alignments in gINT input and output, using gINT with Google Earth, and using gINT data with InRoads and GEOPAK .	Strah Antoljak, Bentley
Tuesday May 24	10:00 AM to 11:45 AM	WORKSHOP	<b>Automated Concrete Detailing and 3D Modeling with Bentley Rebar.</b> This hands-on workshop will provide an overview of Bentley Rebar's automated concrete detailing capabilities for drafting and quantifying reinforcement of virtually any type of concrete structure. Discover the flexibility of Bentley Rebar for generating bar lists and bar charts. Learn the strengths of Bentley Rebar for 3D modeling and clash detection.	Steve Willoughby, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Bentley Professional Services for Civil Engineering and HP Desktop and Mobile Technology Update (For InRoads, GEOPAK and MX Users)</b> The first part of this session identifies ways that Bentley's 400-plus team of civil engineers, surveyors, and industry-empowered civil- and transportation-related IT professionals can help you achieve your best results ever using InRoads, GEOPAK, MX, MicroStation, Digital InterPlot, ProjectWise, and other Bentley products. Whether getting started, increasing efficiency, wrapping up final tasks, or collaborating with colleagues and across teams, Bentley's Professional Services Team – the best in civil engineering technology - can help you with training, configuration, customization, consulting needs and more! The second portion of this session will focus on the rapid changes occurring in desktop and mobile hardware and how HP product configurations will meet the needs of your Bentley applications.	Sherry House, Bentley and Tom Salomone, HP
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Creating a World Class Railway (Bentley Rail Track, gINT, ProjectWise, Bentley Navigator, and More)</b> Crossrail is a new cross-London rail link being developed to serve London and southeast England. When complete, this \$24.5 billion project will improve London's heavy traffic congestion by providing modern trains that will bring an additional 1.5 million people within a 60-minute commute of London's financial and leisure centers. With 21 kilometers of twin-bore tunnels, interchanges with the existing over- and under-ground rail networks, the scale and complexity of this project makes it truly awesome. At Crossrail, consistency is key to saving time and effort and improving the overall quality of the asset. Join this presentation and you will learn more of the challenges faced, standards and workflows adopted, technology deployed, and benefits enjoyed as the Crossrail team works towards its vision of a fully-coordinated, 3D information model for construction, operations, and maintenance of railways for years to come.	Jugal Makwana, Bentley
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>A Project-centric Approach to Design Using ProjectWise, MicroStation and InRoads</b> This user presentation will look at how Indiana DOT uses ProjectWise to coordinate its design process from project inception through design. The various groups that share data will be identified as well as some of the environments and interfaces that are in use. You will also see how INDOT integrates InRoads with their ProjectWise system to manage their design process.	Scott Robison and Jason Kuhn, Indiana Department of Transportation

DATE	TIME	SESSION	<i>Roads and Bridges Continued</i>	PRESENTER
Tuesday May 24	1:00 PM to 2:45 PM	LECTURE	<b>The Future of Civil Design Software Is Here! (For InRoads, GEOPAK and MX Users)</b> In this session you'll experience technology in action and learn about on-going developmental efforts to provide best-of-breed civil software to users. This convergence of existing and new technology highlights data acquisition, geometry, DTMs, Roadway Designer, DGN integration, and the dynamic 3D model.	Ron Gant, Mike Wilson, Jay Vose, Derricke Gray and Mike Cavanaugh, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>Customizing Your Civil Application to Work How You Work (For InRoads and GEOPAK Users)</b> Does 'out of the box' really work? For most of us, no! This presentation will show you how to build workflows and task-based menus that serve your projects. Be more productive and work your way with project- and function-specific, context sensitive menus that you'll want to share with your colleagues.	Dan Ahern, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>New Tools: Data Acquisition Overview (For InRoads, GEOPAK and MX Users)</b> The evolution of Bentley civil products continues. Now GEOPAK, InRoads, and MX all have the same data acquisition capability. This presentation will highlight importing data from various sources including LIDAR, GPS, total stations, and other file types. Editing, correcting errors, and adding additional data are all interactive, extremely visual, and 3D. We will show you the best tools available in your Bentley civil product.	Iam Rosam, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>Advantages of 3D Modeling with Roadway Designer</b> This session will show you how Roadway Designer can help solve real-world engineering problems using 3D models. You'll also see examples that illustrate the importance of 3D design on real-life projects.	Scott Urbas, HNTB
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>The Sheikh Zayed Bridge: Design and Construction Challenges</b> Said to be the most intricate bridge ever constructed, the Sheikh Zayed Bridge in Abu Dhabi, United Arab Emirates, is 842 meters long with curved design arches that create a sinusoidal waveform, providing a striking structural silhouette across the Maqta channel. In this session, you will learn how bridge designers using RM Bridge employed 4D computer analysis on this complex, architecturally-driven design from concept to completion.	Vardy Jones, High Point Rendel
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>Publishing with Power InRoads and Power GEOPAK</b> No project is complete until all the files for plotting and sharing are done. This hands-on workshop will provide opportunities to use the robust tools included in Bentley's civil "Power" products – tools for plotting, publishing to and using Google Earth, and creating PDFs and 3D PDFs, including geo-referenced PDFs.	Chris Martin, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>Civil Design Review: 3D Modeling and Clash Detection (For InRoads and GEOPAK Users)</b> Many users have been creating 3D information-rich, spatially-correct modeling for years. Others (especially our competitors) are just becoming aware of the ease, power, and availability of 3D modeling. This hands-on workshop will help you better advantage your civil information modeling, especially on such tasks as drainage clash detection. You'll also learn more about innovative technologies for performing design review, performing engineering check, and just-in-time communication with colleagues and the construction team.	Dan Eskin, Bentley
Tuesday May 24	3:00 PM to 4:45 PM	WORKSHOP	<b>Wall Design with GeoStructural Analysis and Design Tools</b> This entry-level workshop will introduce users to fundamental geostructural design and analysis (specifically a cantilever wall) using the GEO5 software suite. Workshop objectives include how to create a project; input design parameters; import geotechnical, geological and hydrological data from gINT; input additional design loads; perform a design analysis (including interactive spread footing and slope stability programs for additional structural analyses); and outputting analysis results.	Katie Aguilar, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>Roadway Designer - Keep It Simple But Thorough (For InRoads, GEOPAK and MX Users)</b> This presentation will provide a thorough walk-through of the tools and capabilities that make Roadway Designer work for you – all the way to Drive Roadway. Topics will include typical sections, template application, superelevation, point controls, end conditions, and end condition exceptions. You'll learn about all the pieces and all the tools at an easy and productive pace.	Joey LouAllen, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>gINT V8i Update</b> This presentation will focus on the many geotechnical/geoenvironmental enhancements included in the gINT V8i software portfolio. Reviewing each gINT product, you will learn of new advances – such as ProjectWise integration, DGN export, full schema and data editing in SQL Server databases, coordinate conversions, and deviated borehole support – as well as updates for gINT for ArcGIS and AGS4 support.	Strah Antoljak, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>New Tools: Progressions in Civil Engineering Software (For InRoads, GEOPAK and MX Users)</b> This presentation will provide an additional look into the new tools demonstrated in the Civil Keynote followed by an opportunity to ask the experts about the new tools. This is the last session of the day, and we'll answer relevant questions as long as you want to stay.	Jay Vose, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>Automated Rebar Detailing and Advantages of Using 3D Models</b> Today's bridge industry embraces automated software, providing designers with unique options for detailing diverse concrete structures and enhanced design capabilities using 3D modeling tools. For demonstration purposes, this presentation will use automated detailing solutions from Bentley Rebar. It will look beyond CADD to the innovative bridge technologies useful in generating quantity takeoffs to create and track automated bar lists, running 3D conflict checks for rebar using MicroStation clash detection functionality, and permitting any type of bar shape configuration using the new Rebar AutoShape Manager.	Alex Mabrich, Bentley

DATE	TIME	SESSION	<i>Roads and Bridges Continued</i>	PRESENTER
Wednesday May 25	10:00 AM to 11:45 AM	LECTURE	<b>Merging InRoads and GEOPAK Template Libraries: Three Project Case Studies</b> This user presentation from Wade Trim will highlight its successful merging of template libraries from InRoads Roadway Designer and GEOPAK Corridor Modeler for use on all its projects. The focus will be on three project case studies - including a seven-lane urban arterial, a four-lane rural boulevard, and a rural freeway interchange – to compare the different approaches to modeling, the challenges involved in the process, and the advantages to design and construction.	Cathy Cassar, Wade Trim
Wednesday May 25	10:00 AM to 11:45 AM	LECTURE	<b>Introducing TopoDOT by Certainty 3D</b> ITopoDOT™ is a high performance MicroStation™ application developed by Certainty 3D of Orlando, FL, for importing and extracting topography and models from point clouds, calibrated images and related data. TopoDOT™ offers a balance of automation and streamlined user interaction designed to maximize productivity while assuring quality. TopoDOT™ facilitates the use of point clouds and calibrated images across Survey, Design, Engineering, Construction and Management operations to enhance quality, improve efficiency and increase profitability.	Ted Knaack, President, Certainty 3D
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Customizing Your Civil Application to Work How You Work (For InRoads and GEOPAK Users)</b> In this session you'll build your own menus and workflows LIVE and share them easily with others. You'll also learn how to sharpen your skills and increase production with "HOT-KEY" commands that are literally at your fingertips.	Dan Ahern, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Roadway Designer - Keep It Simple But Thorough (For InRoads and GEOPAK Users)</b> This workshop will provide a thorough, hands-on experience of all the tools and capabilities that make Roadway Designer work for you – all the way to Drive Roadway. Topics will include typical sections, template application, superelevation, point controls, end conditions, and end condition exceptions. You'll learn about all the pieces and all the tools at an easy and productive pace.	Joey LouAllen, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Using Data Acquisition in InRoads and GEOPAK</b> This hands-on workshop is designed for anyone who imports data. It will provide an overview of the data acquisition tools that enable you to prepare data for use within InRoads and GEOPAK. You'll learn how to import, review, reduce, edit, correct, and visualize data.	Iam Rosam, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Using the New Geometry Tools in Production (For InRoads, GEOPAK and MX Users)</b> This workshop will provide a hands-on experience of the new geometry tools that enhance your Bentley products. You'll learn firsthand how the tools and user-friendly interface work with your existing capabilities to streamline workflows, improve production, and increase efficiency.	Robert Garrett, Bentley
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>Exploring ProjectWise ArcGIS Connector at MD SHA</b> This presentation will cover the preliminary findings of the pilot project conducted by Maryland State Highway Administration (MD SHA) using ProjectWise ArcGIS Connector. A brief demonstration will show how the ArcGIS Connector enables engineers to access the GIS feature layers stored in ESRI ArcSDE Geodatabase in their native design environment using MicroStation. The presentation will also provide a description of the security settings in ProjectWise used to establish the data sharing environment.	Michel Sheffer, Maryland State Highway Administration and James Shiu, ECO Integration
Wednesday May 25	10:00 AM to 10:45 AM	LECTURE	<b>Bentley Civil Software: Meeting Challenges in the Middle East</b> Twenty-first century military technology played a crucial role in Desert Storm, where life and safety for civilians were priority. Twenty years later, new Bentley civil technologies likewise focus on safety – from visibility and stop sign distances to entry path radii, diverges and merges – all considerations when designing for safe transportation and sustaining infrastructure. In this session, you will see how Bentley MX, InRoads, and MicroStation V8i (SELECTseries 2) were employed to create thousands of kilometers of new highway network in Kuwait.	Piotr Janicki, Mouchel
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>An Overview of Templates and End Conditions (For InRoads, GEOPAK and MX Users)</b> This presentation will provide a detailed overview of templates and end conditions. It will focus on the inner workings of templates and their capabilities, as well as the application of end conditions with templates.	Joe Waxmonsky, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Publishing with Power InRoads and Power GEOPAK</b> No project is complete until all the files for plotting and sharing are done. This presentation will provide an overview of the robust tools included in Bentley's civil "Power" products – tools for plotting, publishing to and using Google Earth, and creating PDFs and 3D PDFs, including geo-referenced PDFs.	Chris Martin, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Bentley Civil Geometry Tools</b> This presentation will showcase the use of Bentley's civil geometry tools for site assessment, design development, and review on a real-world project.	Jane Alden, CH2M Hill
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Bridge Products Update and Directions</b> As seen in the building industry, information modeling has evolved into much more than the geometrical representation of the asset at hand. When dealing with a bridge asset, integration and coordination between the civil/highway engineers, rating departments, documentation and detailing schedules, and the analysis and design teams is imperative to achieve an optimal design at the lowest cost by decreasing the time from the initial conceptual design to the fabrication. Understanding the current status of your bridge asset, along with the effect it has on other disciplines, such as network utilities, can be accomplished today using Bentley's BrIM technology.	Santanu Das and Gabe Norona, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>Roadway Designer and Superelevation (For InRoads, GEOPAK and MX Users)</b> This presentation will cover 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.	Jeff Martin, Bentley

DATE	TIME	SESSION	<i>Roads and Bridges Continued</i>	PRESENTER
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>Introduction to Railway Designer</b> Is Roadway Designer a new tool from Bentley? Well, not exactly. In this presentation you will see how Roadway Designer can be fully utilized on your rail and track projects.	Jason Harkless, Parsons
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>LIDAR Data in the Pursuit of Civil Contracts</b> This presentation will examine the collection methods, cost, and application of LIDAR data in the early phases of civil projects. Topics will also include the benefits and drawbacks of utilizing LIDAR data, methods for extracting LIDAR data, and visualizing LIDAR data.	Patrick Evans, HNTB
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>RM for High-Speed Rail in North America</b> High-speed rail systems have been more popular in Europe than the U.S. But, with ever increasing fuel costs and an \$8 billion stimulus in play, there is a growing interest in the U.S. for these systems. As most corridors for HSR involve urban areas that require overpasses, reworking of intersections, and other tedium associated with upgrading existing railways, Bentley's RM Bridge fits your bridge design and analysis needs. This presentation will focus on the advanced capabilities associated with the RM tools for HSR in North America.	Jeff Kroon, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Customizing Your Civil Application to Work How You Work - RELOAD (For InRoads and GEOPAK Users)</b> In this session you'll build your own menus and workflows LIVE and share them easily with others. You'll also learn how to sharpen your skills and increase production with "HOT-KEY" commands that are literally at your fingertips.	Dan Ahern, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Creating Components and Templates (For InRoads, GEOPAK and MX Users)</b> This workshop will provide hands-on experience in creating various types of components and assembling them into working templates. Emphasis will include the importance of naming conventions and styles for components and points.	Joe Waxmonsky, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Creating End Conditions (For InRoads, GEOPAK and MX Users)</b> Creating end conditions is simple, but with this simplicity comes tremendous power. In this session you'll learn how to harness the power of end conditions for basic cut and fill, ditches, benching, rock tracing, vectors, and so much more. This hands-on experience is an absolute must for all Roadway Designer users.	Derrick Gray, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	WORKSHOP	<b>Roadway Designer for Intermediate Users (For InRoads, GEOPAK and MX Users)</b> This hands-on workshop is designed for the user who has mastered the basics and is ready to move forward. Topics will include transitioning between templates, adding retaining walls, targeting other design surfaces, end condition exceptions, secondary alignments, and more.	Lisa Whitson, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>Roadway Designer: Resurfacing, Restoration, and Rehabilitation (For InRoads, GEOPAK and MX Users)</b> 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 rehabilitation. This presentation will focus on Roadway Designer capabilities and methodologies for developing "what-if" scenarios to determine the best solution that combines engineering, experience, and cost.	Jeff Martin, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>Introduction to Bentley GeoStructural Analysis and Design Solutions</b> The latest addition to the Bentley Geotechnical portfolio of products is the Civil Engineering Analysis and Design bundle of GEO5 products. Designed to address a wide range of geotechnical challenges, GEO5 consists of targeted programs that work separately or together to address different design and analysis tasks. From foundation design to stability analysis and multiple retaining wall designs, the integrated modules offer simple yet thorough design and analysis tools. This presentation will cover how these tools work in conjunction with gINT (our other geotechnical software), LEAP Bridge for pier design, and the site modeling tools included in GEOPAK and InRoads.	Katie Aguilar, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>Visualization Basics for InRoads and GEOPAK Users</b> If you've ever wanted to visualize a project but didn't know how, this presentation is for you! You'll learn basic techniques for visualizing your designs – tasks like assigning materials, placing trees, striping, or maybe driving along the roadway. It's so easy, anyone can do it. In addition, you'll get to preview the new visualization tools available in V8i (SELECTseries 3) – high-speed, high-performance visualization, just for civil.	Mike Cavanaugh, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>Introducing Power Rail Track and Power Rail Overhead Line</b> Bentley has recently added two new products to its civil portfolio, Power Rail Track and Power Rail Overhead Line. Power Rail Track brings the popular solution for freight, commuter, and high-speed rail – Bentley Rail Track – to the Bentley Power platform. Power Rail Overhead Line introduces traction power design into the Bentley suite of civil applications. If you work with rail, power systems for rail, or plan to get onboard with high-speed rail (HSR), this is a "must-see" presentation.	Jugal Makwana, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>Ask the Bentley Civil Technical Support Group (TSG) (For InRoads and GEOPAK Users)</b> In this presentation, you'll hear Bentley's Civil TSG Manager address some of the organization's most frequently asked questions and provide clear, accurate solutions for each. You'll also learn more about the many ways you can communicate with TSG.	Kevin McDonald, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>Roadway Designer Can't Do That, Can It? (For InRoads, GEOPAK and MX Users)</b> This presentation will show you how to model unique situations encountered on actual projects. You'll learn how to tweak Roadway Designer to work with such advanced design conditions as intersections, gore areas, bridge abutments, and more.	Kevin Jackson, Bentley

DATE	TIME	SESSION	<i>Roads and Bridges Continued</i>	PRESENTER
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>A gINT User Case Study - Placing gINT at the Centre of Your Organization for Geoinformation Data Management</b> In this course you will learn how to place gINT at the centre of company's geoinformation data management strategy. You will learn how every aspect of your workflow is met by using gINT, a genuine approach to warehousing all subsurface data in gINT; lab, chemical, monitoring, geophysical, asset. We will explore system setup to control user access, training, security, database views and more. Innovative reporting and time saving (batch process) solutions are presented, as well as examples of reports to prove the complete data journey from site to reporting.	Mark Bevan, Structural Soils Ltd
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Using Superelevation in Roadway Designer (For InRoads, GEOPAK and MX Users)</b> This hands-on workshop will enable you to gain practical experience creating and applying superelevation, editing the superelevation, copying superelevation, and creating superelevation diagrams.	Jeff Martin, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Visualization Basics for InRoads and GEOPAK Users</b> If you saw the Visualization Basics presentation, you're probably wondering how you can apply what you've learned. This hands-on workshop will cover basic visualization techniques for civil designers and will help you get started and visualize a project. Nothing too fancy – you'll just assign materials, place trees, striping, or drive along the roadway.	Mike Cavanaugh, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Finishing with GEOPAK</b> In this hands-on workshop you'll learn how to display your model, cut cross sections, generate plan sheets, create reports, and execute other tasks required to finish your GEOPAK project.	David Hoener, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Using Data Acquisition in InRoads and GEOPAK - RELOAD</b> This hands-on workshop is designed for anyone who imports data. It will provide an overview of the data acquisition tools that enable you to prepare data for use within InRoads and GEOPAK. You'll learn how to import, review, reduce, edit, correct, and visualize data.	Iam Rosam, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Don't Just Survive—Thrive: Winning Business with SITEOPS®</b> Often, the most difficult part of a civil engineer, architect or landscape architect's job is not the design work, but rather differentiating oneself to win projects. A firm's ability to set itself apart from the crowd has increasingly become more difficult—price differentiation is not a sustainable practice, and there is no variation in product as everyone is using the same techniques and software. SITEOPS gives you the competitive edge. SITEOPS is patented, cloud-based technology for the AEC industry that delivers conceptual site designs and estimates in hours instead of weeks. This evolutionary technology allows the user to quickly create site and grading plans, taking into consideration optimized construction costs while still meeting the given design parameters. This is what your clients are looking for: quick and accurate results at the most efficient price point. Increase your rate of success for winning projects by demonstrating to current and potential clients that you have the power of SITEOPS. This 45-minute session will cover the basics of SITEOPS, as well as highlight the ways in which users are successfully growing their businesses by using this powerful technology in a down economy.	David Settlemyer
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Roadway Designer – The Really Cool Stuff! (For InRoads, GEOPAK and MX Users)</b> In this exciting presentation Roadway Designer's Bentley will give you the "inside scoop" on all the cool things you can accomplish. From the simple to the unthinkable, you will learn about embedded tools that will make work easier and more efficient for even the savviest of users.	Kevin McDonald, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>Dynamic Modeling with InRoads</b> Did you know that you can move an alignment (horizontally or vertically) and see the 3D model dynamically update? Did you know that you can change templates in Roadway Designer or add end condition exceptions and see the updates happen dynamically in your model within MicroStation? This presentation will cover the many dynamic capabilities now available InRoads from labeling, to contouring, to 3D modeling, and more!	Kevin Jackson, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>LEAP Bridge Enterprise Update</b> In this session you'll hear the latest upgrades for LEAP products and learn more about LEAP Bridge Enterprise. New enhancements include ProjectWise integration, spec updates, an improved ABC wizard, girder stability analysis tools, and more. This presentation will also cover the new features to be released in the fall of 2011.	Alex Mabrich, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Intersection Design with Roadway Designer (For InRoads, GEOPAK and MX Users)</b> If you've been told that Bentley civil products can't do intersections, you've been misled. This presentation will dispel any myths or misconceptions about this software. Discover the true power of Roadway Designer and how easy it is to do an intersection – and no programming is necessary. Come, see, and learn!	Chuck Lawson, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Tips and Tricks: A GEOPAK User Panel</b> Many GEOPAK users have developed their own best practices and discovered ways to improve production and increase efficiency. Sometimes it's just experience, sometimes it's what they discover in the products. In this session you'll hear the experts share their secrets to successful GEOPAK projects.	Ray Filipiak, Bentley; Dan Reinke, OHDOT and Joseph Redden, Parsons Brinckerhoff

DATE	TIME	SESSION	<i>Roads and Bridges Continued</i>	PRESENTER
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<p><b>Invitation to International HEEP 2011 and ProjectWise at Michigan DOT</b> The first presentation of this two-part session is an introduction to the Highway Engineering Exchange Program (HEEP) and includes an informative invitation to International HEEP 2011 to be held in Winnipeg, Manitoba this September. In its 53rd year, I-HEEP is the ideal setting for highway engineering professionals to exchange computer, technology, and industry updates and expertise. You will definitely want to be a part of I-HEEP 2011!</p> <p>In the second portion of this session, attendees will hear a brief review from one of the leading implementers of Bentley's ProjectWise technology, Michigan DOT, and engage in Q&amp;A to discover the processes that MDOT used and the lessons they learned as part of their ProjectWise implementation.</p>	Dan Belcher, MDOT
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<p><b>LARS Bridge - The Role of Bridge Load Rating in Facilitating Commerce</b> Load rating is a daily activity in state DOT bridge units serving the important function of assessing the load-carrying capacity of bridges for such purposes as completing mandated federal reports, determining bridge posting weight, and supporting proposed legislation regarding legal loads. This presentation will illustrate another very important use of load rating-overweight permit support. Using Bentley LARS Bridge and SUPERLOAD, we will explore how the load rating automation processes is facilitating commerce and helping to better sustain infrastructure. Real-world examples will be used to illustrate the effects of load rating automation on the overall permitting process, enabling load rating engineers to more quickly and safely process the ever increasing volume of permit requests. Knowledge regarding the weight effect of a permit vehicle on bridge inventory is critical, not only for the issuance of permits, but also for helping assess the long-term effects of overweight vehicle travel on the bridge inventory. The ability to save time evaluating bridges along a proposed route from several days to a matter of seconds not only protects and preserves the bridge inventory, it also facilitates commerce by allowing permits to be issued online.</p>	Ron Love, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<p><b>Roadway Designer: Resurfacing, Restoration, and Rehabilitation (For InRoads, GEOPAK and MX Users)</b> This hands-on workshop will enable users to experience Roadway Designer capabilities for overlay, grinding and milling, resurfacing, and smoothing – tools that address all facets of rehabilitation. You will learn how to develop “what-if” scenarios to determine the best solution that combines engineering, experience, and cost.</p>	Jeff Martin, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<p><b>Roadway Designer Can't Do That, Can It? (For InRoads, GEOPAK and MX Users)</b> This hands-on workshop will allow users to model unique situations encountered on actual projects. You will learn first-hand how to tweak Roadway Designer to work with such advanced design conditions as intersections, gore areas, bridge abutments, and more.</p>	Kevin Jackson, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<p><b>Creating Advanced Components and Templates (For InRoads, GEOPAK and MX Users)</b> This hands-on workshop for advanced users will delve 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.</p>	Mike Cavanaugh, Bentley
Thursday May 26	8:00 AM to 9:45 AM	WORKSHOP	<p><b>Finishing with InRoads</b> In this hands-on workshop you'll learn how to display your model, cut cross sections, generate plan sheets, create reports, and execute other tasks required to finish your InRoads project.</p>	Dan Eskin, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<p><b>Gore Design with Roadway Designer (For InRoads, GEOPAK and MX Users)</b> This presentation will show you how to take full advantage of the vertical gore tool. You'll learn how to merge a ramp and mainline corridors into one seamless model using corridor-seeking point controls and hidden components.</p>	Chuck Lawson, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<p><b>Using GIS Data in Engineering (For InRoads and GEOPAK Users)</b> This presentation will focus on the capabilities of Bentley Map now included in Bentley civil products. It will highlight the ability to reference and use GIS data to make informed, sound engineering decisions based upon numerous data sources. You'll also learn how to post engineering changes back to the GIS database.</p>	Ray Filipiak, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<p><b>SILK - Information System for Railway Lines</b> “SILK” represents the Polish acronym for “Information System for Railway Lines. SILK was developed to improve decision making while developing and modernizing the state railways in Poland. PKP Polskie Linie Kolejowe S.A created this information system as a spatial reference system that catalogs and shares information related to investment, real estate property and railway inventory. PKP used Bentley PowerMap, MicroStation, Bentley Geospatial Server and ProjectWise to develop SILK.</p>	Ewa Swiniarska and Jacek Baldy, PKP Polskie Linie Kolejowe S.A
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<p><b>Segmental Bridge Design Using RM Bridge</b> This presentation will cover the basics of PowerBridge RM, a subset of the RM Bridge Professional product, to handle steel bridge design and analysis for a common bridge including steel. Based upon the “power platform,” PowerBridge RM is integrated with the new PowerBridge Modeler product (required).</p>	Jeff Kroon, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<p><b>When Typical Is Not “Typical” (For InRoads, GEOPAK and MX Users)</b> For those in-the-know, a typical section is anything but “typical” - and that's why this presentation is a must. You'll learn how to adapt typical sections to changing and challenging conditions with minimal effort. Whether you are making a simple design robust or using someone else's standards, you'll increase productivity and be ready for virtually any non-typical typical scenario!</p>	Corey Johnson, Bentley
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<p><b>Dynamic Site Modeling with GEOPAK and InRoads</b> GEOPAK and InRoads contain powerful, dynamic site modeling tools. This presentation will cover the Site Modeler capabilities long available in GEOPAK and now available in InRoads.</p>	Volaree Rendon, Bentley

DATE	TIME	SESSION	<i>Roads and Bridges Continued</i>	PRESENTER
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>The BIM Approach to Design-Build and Operations</b> This presentation will focus on the transportation challenges now facing designers, contractors, and owners with Design-Build projects and how the use of intelligent models can solve these issues. Gone are the days of simply designing, detailing, and then creating simple 2D construction documents. You will see how the integrated process of developing intelligent models, using Bentley products, can improve everything from estimating quantities, to constructability, to operations. It is only through the collaborative efforts of designers, contractors, and owners that the most efficient solution can be reached. By designing the model rather than modeling the design, this collaboration takes place. From here, it becomes a simple task to extract quantities, develop construction documents, create visualizations, and export construction data for machine control. All this helps to insure the most cost-effective, efficient, safe, and sustainable product for everyone.	Kevin O'Connor, Parsons
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>Intersection Design with Roadway Designer (For InRoads, GEOPAK and MX Users)</b> This hands-on workshop will walk you through the Roadway Designer process for designing and modeling an intersection. This isn't a black box tool where you wonder what you just did. This is real design for real engineers – interactive, visual, and accurate.	Chuck Lawson, Bentley
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>Dynamic Modeling with InRoads</b> Did you see the Dynamic Modeling with InRoads presentation? Then you know that you can move an alignment (horizontally or vertically) and see the 3D model dynamically update. You know that you can change templates in Roadway Designer or add end condition exceptions and see the updates happen dynamically in your model within MicroStation. Now you will learn in this hands-on workshop how to use the many dynamic capabilities available in InRoads – from labeling, to contouring, to 3D modeling, and more.	Kevin Jackson, Bentley
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>Finishing with GEOPAK - RELOAD</b> In this hands-on workshop you'll learn how to display your model, cut cross sections, generate plan sheets, create reports, and execute other tasks required to finish your GEOPAK project.	David Hoener, Bentley
Thursday May 26	10:00 AM to 11:45 AM	WORKSHOP	<b>Roadway Designer - Keep It Simple But Thorough - RELOAD (For InRoads and GEOPAK Users)</b> This workshop will give you a thorough, hands-on experience of all the tools and capabilities that make Roadway Designer work for you – all the way to Drive Roadway. Topics will include typical sections, template application, superelevation, point controls, end conditions, and end condition exceptions. You'll learn about all the pieces and all the tools at an easy and productive pace.	Joey LouAllen, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>So You Created Models, Now What? (For InRoads, GEOPAK and MX Users)</b> This innovative presentation will demonstrate how models benefit you and your clients, and help you achieve specific objectives using Bentley's civil software or other infrastructure products. You'll learn how to model, visualize, extract deliverables, and publish from intelligent models. You'll also be shown how to use models "downstream" for construction staging, traffic control, and scenario analysis.	Corey Johnson, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Bentley Civil Site</b> This presentation will review the use of the InRoads suite of tools to complete a site design project, particularly showcasing the newer site module available in both InRoads and GEOPAK.	Shannon Wood, CH2M Hill
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>DOT Agency Meeting (DOTs Only)</b> This annual meeting is open to DOTs only and will address important agency-specific issues.	Scott Robison, INDOT
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>Introduction to RM Bridge for Steel Bridge Design</b> This workshop will demonstrate how RM wizards can be used to design and analyze a typical composite steel girder bridge with concrete slabs. Gain hands-on experience and learn how to model bridges with cross frames, stiffeners, and substructures, and then run analysis for typical loads – including dead and live loads, wind, temperature, and earthquake. Many options for processing the results will also be shown.	Jeff Kroon, Bentley
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Michigan DOT Pilots the Digital Pen</b> The Michigan DOT is piloting the ProjectWise Dynamic Plot V8i (Digital Pen) solution. This presentation will provide insight into Dynamic Plot Solution (DPS) that will help MDOT save time and money on projects. The session will feature information on using DPS for plan reviews and documenting construction field changes, along with as-built documents for a design-build project.	Dan Belcher and Rachelle VanDeventer, MDOT
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Tips and Tricks: An InRoads User Panel</b> Many InRoads users have developed their own best practices and discovered ways to improve production and increase efficiency. Sometimes it's just experience, sometimes it's what they discover in the products. In this session you'll hear the experts share their secrets to successful InRoads projects.	Ray Filipiak, Bentley; Patrick Evans, HNTB and Kurt Rasmussen, TY Lin
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Real Time Profiler; Scanning Roads with Topcon Positioning Systems</b> The new Real Time Profile (RTP-300) collects surface data up to 65 mph and creates an exact model of an existing road, bridge, or airport surface. As a mobile surveying vehicle, the system generates a higher resolution topography map than conventional surveying methods in a fraction of time. And with superior accuracy! The collected data file can be used in design software for design applications. The RTP-300 complies with commonly used agency specifications, test methods, and certification requirements.	Mark Larranaga, Topcon

DATE	TIME	SESSION	<i>Roads and Bridges Continued</i>	PRESENTER
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Custom Pier Configurations with LEAP Bridge Enterprise and RCPIER</b> Let's face it, all pier configurations are not standard nor are they the same. This presentation will demonstrate how to set up struts, drilled shafts, wall/pier columns, and abutments for customized pier design with LEAP RCPIER.	Alex Mabrich, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Gore Design with Roadway Designer (For InRoads, GEOPAK and MX Users)</b> If you attended the Gore Design with Roadway Designer presentation, now is the time to just do it! This hands-on workshop will put you through the paces of gore design, using the gore design tool to its full capacity. You'll learn how to merge a ram and mainline using corridor-seeking point controls and hidden components.	Chuck Lawson, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Dynamic Site Modeling with InRoads</b> In this workshop you'll get hands-on experience using Site Modeler and other dynamic modeling tools that are included in InRoads. You'll see just how easy it is to complete ponds, levees, building, pads, site grading, and more.	Volaree Rendon, Bentley
Thursday May 26	1:00 PM to 4:45 PM	WORKSHOP	<b>MicroStation for Civil Engineers - RELOAD (For InRoads, GEOPAK and MX Users)</b> This workshop will look into the new advances in technology for civil designers and enable you to gain hands-on experience. Topics will include coordinate systems, projections, Civil AccuDraw, and other civil related tools.	Mike Barkasi, Bentley
Thursday May 26	1:00 PM to 2:45 PM	WORKSHOP	<b>Creating End Conditions - RELOAD (For InRoads, GEOPAK and MX Users)</b> 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 hands-on experience is an absolute must for all Roadway Designer users.	Derrick Gray, Bentley
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>Implementing ProjectWise Managed Workspace at MTA</b> This presentation will discuss the benefits of using ProjectWise at Maryland Transit Administration (MTA) to manage the MicroStation CAD standards files with the Managed Workspaces feature. Topics covered in this session will include how to set up workspace profiles, apply them to MTA projects, and custom applications developed for MTA and its engineering consultants.	James F. Miller, Maryland Transit Administration; Mark Van Wert, ECO Integration
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>Geotechnical Reporting and Modeling Solutions</b> This overview of gINT geotechnical and geoenvironmental data management and reporting software will outline how gINT can be used to streamline the reporting of subsurface investigations and how to reuse gINT data for 3D modeling of subsurfaces in MicroStation.	Strah Antoljak, Bentley
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>Using Digital Terrain Modeling for Bridge Location Optimization (gINT, GE05, LEAP Bridge, Site Modeler)</b> Surveyors provide a wealth of data, such as electronic ground data and digital terrain models (DTMs) to optimize the civil aspect of bridge projects – including the location, length, slopes, and skew angles for bridges. In this presentation, Bentley Site Modeler (available in GEOPAK and InRoads) will be used to explore site grading options for configuring slopes for abutments and identifying final road elevations for bridge construction. Discover how roadway software uses this data to streamline design workflows.	Alex Mabrich, Bentley
Thursday May 26	3:00 PM to 4:45 PM	WORKSHOP	<b>Dynamic Modeling with InRoads - RELOAD</b> Did you see the Dynamic Modeling with InRoads presentation? If so, then you know that you can move an alignment (horizontally or vertically) and see the 3D model dynamically update. You know that you can change templates in Roadway Designer or add end condition exceptions and see the updates happen dynamically in your model within MicroStation. Now you will learn in this hands-on workshop how to use the many dynamic capabilities available in InRoads – from labeling, to contouring, to 3D modeling, and more.	Corey Johnson, Bentley
Thursday May 26	3:00 PM to 4:45 PM	WORKSHOP	<b>Creating Components and Templates - RELOAD (For InRoads, GEOPAK and MX Users)</b> This workshop will 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 will also be emphasized.	Joe Waxmonsky, Bentley
<b>CONFERENCE TRACK: Structural</b>				
Tuesday May 24	11:00 AM to 11:45 AM	LECTURE	<b>Structural Keynote</b> In this keynote session Bentley executives will provide insights into Bentley's product offerings for those involved in structural design, analysis, and engineering. You'll discover the key advantages of the company's newest offerings as you also learn about Bentley's product strategies and key innovations.	Huw Roberts, Santanu Das and Raoul Karp, Bentley
Tuesday May 24	1:00 PM to 1:45 PM	LECTURE	<b>Introduction to Bentley Building Designer (Architectural, Mechanical, Structural and Electrical Systems)</b> In this session you'll join Bentley product managers as they introduce Bentley Building Designer, a unified Building Information Modeling application.	Jeff Ashley, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>STAAD - Update and New Features - Pro and STAAD(X)</b> This session covers the latest product enhancements, capabilities, and interoperability advantages for structural analysis and design. You'll learn about new advanced analysis and solid object analysis and design capabilities, as well as powerful integrations, including STAAD.foundation and RAM Connection now with baseplate and other new steel connection designs. Other topics covered include new productivity enhancements with automated support modeling for piping and new interoperability enhancements, including with ProStructures, AutoPIPE, and Integrated Structural Modeling.	Carlos Aguera, Bentley

DATE	TIME	SESSION	<i>Structural Continued</i>	PRESENTER
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>RAM Structural Concept, Connection, and Elements - Update and New Features</b> This session focuses on the latest product enhancements, capabilities, and interoperability advantages for steel and concrete building analysis and design, concrete slab, masonry, metal building and steel connection analysis and design. You will learn about powerful new modeling capabilities, including reference layer modeling, and how to model and design hanging columns, stub cantilevers, concrete shearwall coupling beams. Learn about major productivity enhancements to post-tensioned slab design. See how new elements for the analysis of varying depth steel members provides fast analysis and design for metal buildings and integration with end connections and new baseplate designs. You'll also get information on new two-way load analysis options and interoperability enhancements, including with Integrated Structural Modeling.	Raoul Karp, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>STAAD - Update and New Features - Foundation and Tower</b> In this session you'll learn about the latest product enhancements, capabilities, and interoperability advantages for foundation design and communication towers. Topics include the new foundation design capabilities for advanced dynamic equipment loading and integration directly into STAAD.Pro, and the many productivity and domain-specific enhancements that make STAAD(X).Tower the most efficient and complete solution for your monopole, guyed, and self-supported communication towers available.	Apurba Tribedi, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>ProStructures Update and New Features</b> This session will focus on the latest product enhancements, capabilities, and interoperability advantages available for steel and concrete design. Included will be a look at reinforcing bar detailing and scheduling with Integrated Structural Modeling interoperability.	Gernot Jeromin, Bentley
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>Case Study - It Doesn't Need to be Complicated to Work, A New Approach to Use Stress Analysis and AUTOPIPE in Infrastructure/Municipal Projects</b> With the advancements in the civil and structural construction industries, including construction methodologies, techniques, equipment, along with monitoring devices and methods; intensive construction projects - such as subway systems, highways, and high-rise buildings - are progressing aggressively even in dense urban environments. Amongst the many challenges of these projects (e.g. environmental effects), which require lots of attention and study, is the influence of construction (ie: associated excavation of the construction) on existing structures and utilities, including major pipelines located at the construction zone of influence. Proper assessment of the integrity of the existing buried pipelines during and after the construction is of great importance both to the project and the public. Adopting alternative methods to address the integrity of pipelines using computer software packages, and incorporating design code requirements to calculate stress levels of the pipes will result in more reliable assessments. Using a real life example, in this presentation the effects of given ground settlements due to the construction of underground subway tunnels on water main pipelines are investigated and the advantage of using AUTOPIPE is discussed.	Dr. Nima Eslaminasab, Hatch Mott MacDonald
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Bentley Building Designer: Structural Product Update and New Feature Review</b> In this session you'll learn about the innovative new structural product capabilities and features of Bentley Building Designer.	Jim Barr, Bentley
Wednesday May 25	11:00 AM to 11:45 AM	LECTURE	<b>Interoperability with Revit</b> You'll learn in this session about the various different options available to efficiently interoperate with Revit -- from Integrated Structural Modeling to i-model to direct links. You'll also hear what the best option is today and tomorrow for your Revit interoperability needs.	Mitch Sklar, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>ProConcrete; Beyond Modeling – An Integrated Workflow for Rebar Detailing, Fabrication, and Placing</b> This session will introduce the “downstream” benefits of ProConcrete made possible through a strategic alliance formed between Bentley Systems and aSa (Applied Systems Associates, Inc.) – a leading global provider of Rebar Estimating, Detailing, and Fabrication Software. See and learn how data generated in the reinforced concrete model automatically integrates with rebar detailing, drives the fabrication process, and controls the deliverables to the jobsite. Also learn how fabrication and placing data can be passed back to the model for construction and post-construction use.	Dave Grundler, aSa and Jim Barr, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	WORKSHOP	<b>AutoPIPE : Practices and Tips and Tricks</b> This session will let you try your hand at top modeling and design techniques to improve your productivity. Guiding you through this learning will Bentley experts.	Mark Upston, Bentley
Wednesday May 25	1:00 PM to 2:45 PM	LECTURE	<b>Bentley Building Designer: Structural Practices and Tips and Tricks</b> In this session you'll be introduced to new structural capabilities and exciting new features in Bentley Building Designer. You'll also learn about some handy tips and tricks and best practices to improve your workflows.	Joel Rosenbaum, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>RAM: Creating Documentation from RAM Structural System Through StructuralDocumentation Center</b> Learn about the latest enhancements to automate and customize your structural drawings in this session. You'll discover how easily your organization can utilize your RAM Structural Model as a starting point to generate 80 percent of your core structural documents, including plans, elevations, and both steel and concrete schedules. The session will also include hands-on experience.	AnnMarie GarkoHill, Bentley
Wednesday May 25	2:00 PM to 2:45 PM	WORKSHOP	<b>STAAD.foundation: Advanced Machinery/Plant Equipment Foundation Design</b> In this session find out, from our expert, how to consider the dynamic soil-structure interaction on the analysis and design of your sensitive equipment foundations.	Apurba Tribedi, Bentley

DATE	TIME		SESSION <i>Structural Continued</i>	PRESENTER
Wednesday May 25	2:00 PM to 2:45 PM	LECTURE	<b>AutoPIPE : Using Bentley Navigator for Hot Clash Detection to Avoid Costly Design and Construction Mistakes.</b> You'll see in this session how a unique hot-clash detection capability lets you use Bentley Navigator with AutoPIPE to avoid in-service interference conditions.	Mark Upston, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>Model Documentation</b> In this session you'll learn all about model documentation. This innovation extends our Dynamic Views capability, enabling an automated, mutually contextualized fusion of a project's drawing documentation set and the project's 3D model. This greatly improves the medium of drawing construction documentation and the medium of modeling. Models are improved because they are clear and unambiguous with regard to limitations of scope, authority, and completeness, and therefore now can be delivered with confidence.	Rob Snyder, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Introduction to ProConcrete</b> 3D detailing has long been the domain of steel detailing. In this session you'll learn how to get started on modeling, detailing, extracting drawings and bar schedules in the powerful new ProConcrete detailing solution.	Mitch Sklar and Gernot Jeromin, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	LECTURE	<b>SACS: Designing Platforms for Offshore Wind Farms</b> Offshore structures have to be designed to resist sever loading from a variety of sources such as wave, current, and wind action. The use of such structures to support offshore wind turbines adds another level of complexity by introducing mechanical loading from the turbine. Furthermore, the cyclic nature of the loading makes the support structure and the foundation susceptible to fatigue failure. This presentation will highlight the methodology adopted in the SACS software to design against such events.	Parvinder Jhita, Bentley
Wednesday May 25	4:00 PM to 4:45 PM	WORKSHOP	<b>STAAD : Practices and Tips and Tricks</b> Learn in this hands-on session about our best modeling, analysis and design techniques to improve your productivity in STAAD.Pro. Bring your questions for expert insight.	Carlos Aguera, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Model Documentation (Repeated)</b> In this session you'll learn all about model documentation. This innovation extends our Dynamic Views capability, enabling an automated, mutually contextualized fusion of a project's drawing documentation set and the project's 3D model. This greatly improves the medium of drawing construction documentation and the medium of modeling. Models are improved because they are clear and unambiguous with regard to limitations of scope, authority and completeness, and therefore now can be delivered with confidence.	Rob Snyder, Bentley
Thursday May 26	8:00 AM to 10:45 AM	WORKSHOP	<b>Integrated Building Design - Modeling through Documentation</b> In this session you'll experience, firsthand, the many new features and interoperability options added to Bentley's building design products. Covered are modeling enhancements in RAM Structural combined with integration options to RAM Connection for baseplate design and RAM Concept for slab design. During the session you'll be able to try your hand at the automated production of your steel and concrete drawings, including schedules.	AnnMarie GarkoHill, Bentley
Thursday May 26	8:00 AM to 10:45 AM	WORKSHOP	<b>Integrated Plant Design - Modeling through Documentation</b> This session focuses on the many new features and interoperability options added to plant design products. Covered are modeling enhancements in ProStructures and AutoPIPE, combined with integration options to STAAD.Pro for automated pipe support locating, as well as design baseplates with the new RAM Connection module. You'll be able to try your hand at automating the production of your structural contract documents with ProStructures.	Mitch Sklar and Gernot Jeromin, Bentley
Thursday May 26	11:00 AM to 11:45 AM	WORKSHOP	<b>Detailing from Integrated Structural Modeling</b> In this session you'll learn that full building concrete and steel detailing with all design content delivered through Integrated Structural Modeling is now a reality. Moreover, you'll be able to try your hand at creating bar mark schedules and detailing from the same structures analyzed and designed in the previous workshops.	Gernot Jeromin, Bentley
Thursday May 26	11:00 AM to 11:45 AM	LECTURE	<b>RAM/Revit Interoperability (RAM Structural System and Revit Structural)</b> Many practices are struggling to come to terms with the exchange of information between leading BIM and Structural Design platforms. Eric Yanovich, Structural Engineer with Environetics® Design, Inc, will showcase and discuss technical aspects regarding several projects that took advantage of the interoperation between RAM Structural System and Autodesk's Revit Structure. He will explain the challenges faced and solutions found to maximize efficiency and productivity of their workflow at Environetics®. This presentation will be of interest to engineers, BIM specialists and any user who need insight into the practicalities of RAM Interoperability.	Eric Yanovich, Environetics
Thursday May 26	1:00 PM to 1:45 PM	LECTURE	<b>Integrated Structural Modeling &amp; Dashboard</b> Since its launch last year, Integrated Structural Modeling has grown tremendously in capability and the number of enabled products. In this session you'll learn about the enhanced Bentley Dashboard with the new embedded viewer for project management, what we have that can help your workflow today, and what is in store for the rest of 2011.	Raoul Karp and Mark Upston, Bentley
Thursday May 26	2:00 PM to 2:45 PM	LECTURE	<b>Structural Executive Roundtable Discussion and Closing Remarks</b> In this roundtable you'll be able to join a group of users, designers, Bentley experts, and other building professionals in sharing information, expertise, and ideas about structural analysis, design, modeling, documentation and interoperability for building and plant workflows.	Huw Roberts, Santanu Das and Raoul Karp Bentley
<b>CONFERENCE TRACK: Utilities and Communications</b>				
Tuesday May 24	10:30 AM to 11:15 AM	LECTURE	<b>Utilities and Communications Keynote</b> This session will set out the vision for Bentley's utilities and communications products and summarize the latest innovations delivered in these product lines.	Vonnie Smith and Ken Adamson, Bentley

DATE	TIME	SESSION	<i>Utilities and Communications Continued</i>	PRESENTER
Tuesday May 24	11:30 AM to 12:00 PM	LECTURE	<b>Communication Network Design in Transportation</b> The reliance on communication networks within transportation departments has exploded. With intelligent transportation systems, real-time traffic monitoring, and line leasing opportunities, DOTs are installing thousands of miles of new fiber infrastructure. You'll learn in this session how Bentley's communications products can be used to support this emerging trend.	Mike Wilkins and Tim Cessna, Bentley
Tuesday May 24	1:00 PM to 1:45 PM	LECTURE	<b>What's New for the V8i (SELECTseries 3) Release of Bentley Communications</b> This session will highlight the latest features found in Bentley's communications products.	Chad Smith, Bentley
Tuesday May 24	2:00 PM to 2:45 PM	LECTURE	<b>What's New in Bentley Substation</b> New features have been added to Bentley Substation that further improve the overall design and layout of substations. You'll learn in this session what is available and how this product is revolutionizing the substation engineering process.	Mike Lambert, Bentley
Tuesday May 24	3:00 PM to 3:45 PM	LECTURE	<b>Moving to Bentley Communications V8i (SELECTseries 3)</b> This session will explain how to successfully migrate to Bentley Communications V8i. It will also highlight the benefits that can be realized.	Murali Balakrishnan, IMMCO and Gregory Ross, Time Warner Cable
Tuesday May 24	4:00 PM to 4:45 PM	LECTURE	<b>Thematic Mapping and Spatial Analysis for Communications</b> This presentation covers several scenarios applying thematic mapping and spatial analysis tools found in Bentley Map to 'Real World' situations. Attendees will learn how thematic mapping can be used to enhance their day to day tasks such as QC, data analysis, and reporting. Spatial analysis of Bentley Comms features will be similarly presented as well as combined with standard tools to solve common field challenges.	Robert Hagarty, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Project Team Collaboration for the Design and Construction of Capital Improvement Projects (CIP)</b> You'll learn in this session how ProjectWise can be used to manage, protect, and organize utility project data. This helps you track project approvals, collect feedback, and collaborate with disparate teams. This workshop will take you through the basics of deploying ProjectWise in a utility.	Mark Schneider, Bentley
Wednesday May 25	1:00 PM to 3:45 PM	WORKSHOP	<b>3D Substation Design for Energy Utilities</b> In this interactive workshop you'll learn how to use Bentley Substation to design and layout substations, analyze projects, and generate material reports.	John Zwerlein, Bentley
Wednesday May 25	1:00 PM to 1:45 PM	LECTURE	<b>System Powering for Coaxial Networks</b> This lecture session is designed to demonstrate the latest features for powering coaxial networks using Bentley Comms V8i. Several previously unavailable powering scenarios and workflows will be covered with an emphasis on centralized powering.	Robert Hagarty, Bentley
Wednesday May 25	3:00 PM to 3:45 PM	LECTURE	<b>LADWP Customizes ProjectWise for CAD Management</b> Join this session to hear how Los Angeles Department of Water and Power (LADWP) has customized their implementation of ProjectWise to meet business needs and improve user workflows. Learn how and why these customizations have been incorporated into their enterprise and what future plans have been identified to enhance the design environment.	Chad Crouchman, Los Angeles Department of Water and Power
Wednesday May 25	4:00 PM to 4:30 PM	LECTURE	<b>Modeling Underground Networks for Utility Infrastructure</b> This session will cover the improved network modeling tools available in the Bentley utilities products. It will include a comprehensive overview of the conduit layout tools.	Alfredo Contreras, Bentley
Wednesday May 25	4:30 PM to 5:00 PM	LECTURE	<b>Optimizing Operational Workflows in District Heating/Cooling Networks with Bentley sisNET</b> This session will explain how Bentley sisNET, a GIS-based asset register for utilities, optimizes district heating and cooling network operational workflows. You'll learn how networks can be designed, analyzed, and how data can be shared with those operating and maintaining the network. The session will include examples of real-world implementations of the product.	Gijsbert Noordam, Bentley
Wednesday May 25	5:00 PM to 5:45 PM	LECTURE	<b>Bentley Raceway &amp; Cable Management for Utilities Applications</b> Learn how to use Conceptual Design and Detail Design functions to design complex cable and raceway systems as well as integration with Bentley Substation and other applications.	Mike Lambert, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Case Study on Bentley Substation</b> This session will concentrate on the implementation of Bentley Substation at ENMAX Corporation. Attendees will learn how the project was started, what considerations were taken into account, and how the Utility readied the solution for a production environment.	Mike Elwell, Bentley
Thursday May 26	9:00 AM to 9:45 AM	LECTURE	<b>Roundtable on Products for Energy Utilities</b> Round Table on products for energy utilities. Opportunity to interact with Bentley product managers and executives to discuss future product direction and strategy. Topics such as transmission and distribution network design, staking, substation design and modeling, work and content management, and more will be covered.	Vonnie Smith, Ken Adamson, Mike Lambert and Alfredo Contreras, Bentley

DATE	TIME		SESSION <i>Utilities and Communications Continued</i>	PRESENTER
Thursday May 26	10:00 AM to 10:45 AM	LECTURE	<b>Roundtable on Products for Communications Service Providers</b> Discussions on key technology advances and trends in products for communications service providers.	Vonnie Smith, Chad Smith and Lon Opp, Bentley
<b>CONFERENCE TRACK: Water</b>				
Tuesday May 24	10:00 AM to 10:30 AM	LECTURE	<b>Water Keynote</b> Introduction to Bentley's comprehensive water solution.	Perrine Parrod, Bentley
Tuesday May 24	10:30 AM to 11:30 AM	WORKSHOP	<b>MicroStation Platform Tips and Tricks for Water, Sewer, and Stormwater Modelers</b> This session will discuss the numerous capabilities in MicroStation for working with reference files, drafting system elements, and plotting not present in the stand-alone versions of Bentley's hydrology and hydraulic modeling software (WaterGEMS, WaterCAD, CivilStorm, StormCAD, PondPack, SewerGEMS, SewerCAD). The MicroStation platform puts all these capabilities at the modeler's fingertips. Topics that will be covered include those applicable to water, storm, and sanitary sewer modeling on the MicroStation platform. Beginners are welcome.	Mal Sharkey and Mike Rosh Bentley
Tuesday May 24	10:30 AM to 11:45 AM	WORKSHOP	<b>Hydraulics &amp; Hydrology Products for Beginners</b> This workshop is designed for engineers who have not used these modeling products. It will enable them to become familiar with the software interface and the numerous tools to efficiently set up and analyze a model. This session will also help them follow advanced workshops more easily.	Kristen Dietrich and Jesse Dringoli, Bentley
Tuesday May 24	1:00 PM to 1:30 PM	LECTURE	<b>Calibrating an Extended Period Simulation Model (Case Study)</b> Extended period model calibration can be a challenging task associated with distribution model development and system analyses. Model calibration may be more difficult for a system with unusual characteristics. A case study is presented describing EPS model calibration for a system without floating storage tanks, multiple treatment facilities and supply wells, and manual controls that change day-to-day depending on customer water usage.	Steve Lowry, SG Lowry and James Chelius, American Water
Tuesday May 24	1:30 PM to 2:00 PM	LECTURE	<b>WaterGEMS' Criticality: Another Tool for Renewal Planning and Risk Assessment (Case Study)</b> California American Water's asset management based approach to the renewal planning for water pipelines includes the evaluation of various physical, environmental, risk, performance, economic, and opportunity criteria. When evaluating an entire system, the ability to quantify these criteria is quite time consuming, but using the Criticality tool in WaterGEMS, the impact of removing any pipe from service can be more readily understood. This presentation provides a basic understanding of how the tool was used for several CAW systems, and how it may be helpful to other utilities performing renewal planning and/or performing risk assessment of pipelines.	Earl C. Schneider, Hatch Mott MacDonald
Tuesday May 24	2:00 PM to 2:30 PM	LECTURE	<b>Combined Sewer System Modeling with SewerGEMS (Case Study)</b> Hydraulic modeling is a valuable tool in the analysis of combined sewer systems, particularly with regards to evaluation of different approaches for combined sewer flows (CSOs) reduction. This presentation will summarize the application of the hydraulic model developed using SewerGEMS for the City of Lancaster's (PA) combined sewer system. The challenges faced during the model development process for a complex combined sewer system will be also discussed.	Matthew Warfel and Ran Liu, ARRO Engineering
Tuesday May 24	2:30 PM to 3:00 PM	LECTURE	<b>Middlesex Water Company's Hydraulic Model Then and Now (Case Study)</b> The presentation will contrast Middlesex Water Company's early generation hydraulic model with the current WaterGEMS model and discuss the lessons learned from the model construction process and benefits from the current model.	Christine Ogino, CH2M HILL and Michael Hanna, Middlesex Water Company
Tuesday May 24	3:00 PM to 4:30 PM	WORKSHOP	<b>Pump Station Design Tools for Optimal Pump Selection and Efficient Operations</b> You'll learn in this session how WaterCAD and WaterGEMS can improve the pump selection process and lead to more efficient operations.	Tom Walski and Martin Pflanz, Bentley
Tuesday May 24	3:00 PM to 5:45 PM	WORKSHOP	<b>Evaluate Multiple Stormwater Analysis and Design Alternatives with StormCAD</b> This session will discuss how StormCAD's scenario management helps engineers evaluate and compare an unlimited number of what-if scenarios within a single file. For example, analyze an existing storm sewer system in StormCAD, then add a parking lot and see what effect this has on the system.	Kristen Dietrich and Perrine Parrod, Bentley
Tuesday May 24	4:30 PM to 5:45 PM	WORKSHOP	<b>Connecting SCADA Data and the Hydraulic Model for Calibration</b> You'll learn in this session how to use the SCADAConnect module in WaterCAD and WaterGEMS to set up data connections between your SCADA system and the hydraulic model to enable continuous model calibration.	Tom Walski and Martin Pflanz, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Investigating Water Hammer Problems Using HAMMER</b> This session will explain how HAMMER is used to conduct a water hammer analysis and identify problem areas in a water system that result from extreme transient pressure.	Mal Sharkey and Jesse Dringoli, Bentley
Wednesday May 25	10:00 AM to 11:45 AM	WORKSHOP	<b>Pond Design from Start to Finish with PondPack's PondMaker</b> This session will discuss the total redesign of PondMaker, which now enables all steps to be done within a single dialog. PondMaker guides users 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.	Kristen Dietrich and Mike Rosh, Bentley

DATE	TIME	SESSION	<i>Water Continued</i>	PRESENTER
Wednesday May 25	1:00 PM to 1:30 PM	LECTURE	<b>Hydraulic Model Enhancement Through the Implementation of Innovative Data Integration Processes (Case Study)</b> Advancements in water system computer modeling technology have allowed users to more closely integrate system infrastructure, operational, and customer data into the model to enhance the development, calibration, and analytical benefits of the model. When done through a well-thought process, integrating the model with these other data can lead to efficiencies in the development and updates of a model and also in the creation of a model that more accurately mirrors field conditions. The presentation will draw upon project experience with a utility in Pennsylvania to describe innovative processes developed to integrate GIS, customer billing, and SCADA data into a water system model in order to enhance model development, calibration, and analysis.	Michael Brown and Mike Mehaffey, Gannett Fleming
Wednesday May 25	1:30 PM to 2:00 PM	LECTURE	<b>Practical Wastewater Modeling Using SewerGEMS (Case Study)</b> This presentation evaluates an actual case study in problem solving utilizing the SewerGEMS software to alleviate wastewater system overflows and surcharging. It highlights the translation of modeling results into practical and affordable real-world solutions. It will also address potential disconnects between the operators of a system and the modeler, including both the difficulties in obtaining input data for modeling as well as in accepting modeling results.	Albert A. Polidori and Joseph Thurwanger, Aqua PA
Wednesday May 25	2:00 PM to 2:30 PM	LECTURE	<b>Daylighting the Saw Mill River (Case Study)</b> The Opportunity: The Saw Mill River was buried beneath the City of Yonkers at the beginning of the 20th Century. "Daylighting" the river, that is, returning the river to a more natural, open-air condition, provides many community and ecological benefits, and is itself an objective for Yonkers plan for social and economic progress. The Challenges: The River will experience a wide range of flows. Common to urban watersheds, peak flooding conditions can cause very serious concerns about flash floods. Additional issues that were addressed included tidal influence in the lower part of the river, water quality management, proximity to historic and community resources, and pedestrian and traffic circulation in this downtown plaza. The PS&S Solution: PS&S created a winning solution for the Saw Mill River Daylighting challenge. Our design included Daylighting of the river within a beautiful new urban park, featuring two dynamic pools and three strategic low waterfalls. The design will make the water attractively visible and audible throughout the year, including during potentially low-flow summertime conditions. The design also preserved the existing underground flume. Peak flows will be diverted to the flume to avoid potentially hazardous flooding in the new park, and make economical re-use of the existing, viable asset.	Lisa DiGerolamo, and Shawn Butler, Paulus Sokolowski, & Sartor
Wednesday May 25	2:30 PM to 3:00 PM	LECTURE	<b>Operations Decision Making with Bentley Water (Case Study)</b> This session will show how Ridgewood Water (NJ) and Arizona Water Company use Bentley Water in daily operations and annual reporting. Maps and reports for utility markouts, asset inspections, lead service line replacement and other tasks will be shown. Hydraulic model integration and maps and reports used for strategic main replacement will also be included.	Thad Clark-Soles, Computil
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Design a New Wastewater Collection System with SewerGEMS Sanitary and SewerCAD</b> In this session engineers will design a new system using the automated design features in SewerCAD V8i or SewerGEMS Sanitary V8i. The maximum flow rate will be used.	Mike Rosh and Jesse Dringoli, Bentley
Wednesday May 25	3:00 PM to 4:45 PM	WORKSHOP	<b>Pipe Renewal Planner for Pipe Renewal Prioritization</b> In this session you'll learn how to identify which piping assets need attention, based on pipe breakage, capacity, or criticality, using the new Pipe Renewal Planner module.	Tom Walski and Martin Pflanz, Bentley
Wednesday May 25	5:00 PM to 5:45 PM	WORKSHOP	<b>MicroStation Platform Tips and Tricks for Water, Sewer, and Stormwater Modelers</b> This session will discuss the numerous capabilities in MicroStation for working with reference files, drafting system elements, and plotting not present in the stand-alone versions of Bentley's hydrology and hydraulic modeling software (WaterGEMS, WaterCAD, CivilStorm, StormCAD, PondPack, SewerGEMS, SewerCAD). The MicroStation platform puts all these capabilities at the modeler's fingertips. Topics that will be covered include those applicable to water, storm, and sanitary sewer modeling on the MicroStation platform. Beginners are welcome.	Mal Sharkey and Mike Rosh Bentley
Wednesday May 25	5:00 PM to 5:45 PM	WORKSHOP	<b>Showcase of New Features Common to Multiple Products</b> You'll learn in this session about the new features available across the hydraulic and hydrology product line, which allow users to save valuable modeling time. These new features include the scenario comparison functionality, formula-based data extensions, seed files, elements property inferencing, enhanced profile creation, and more.	Kristen Dietrich and Perrine Parrod, Bentley
Thursday May 26	8:00 AM to 8:45 AM	LECTURE	<b>Water and Wastewater Product Roundtable</b> Join Bentley's water, sewer, and stormwater products manager for a discussion of these products and a chance to explain 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 direction of the products.	Robert Mankowski, Tom Walski and Mal Sharkey, Bentley
Thursday May 26	9:00 AM to 11:45 AM	WORKSHOP	<b>Building Sustainable GIS-synchronized Hydraulic Models</b> See how the interoperability technology in Bentley's water software maintains association between records in source file and elements in the model, creating a sustainable hydraulic model which doesn't need to be re-built from scratch every time the GIS/CAD data changes. Learn how to effectively build a hydraulic model using the ModelBuilder functionality and create GIS-water model associations using the GIS-ID feature.	Tom Walski and Mike Rosh, Bentley
Thursday May 26	9:00 AM to 11:45 AM	WORKSHOP	<b>Pre- and Post-Development Hydrology and Long-Term Simulation Using CivilStorm</b> This session will help you address stormwater flooding using CivilStorm. The software easily compares pre- and post-development hydrology and analyzes proposed stormwater infrastructure, including detention ponds and pipe networks. The presentation will also discuss CivilStorm's ability to compute long-term continuous simulations.	Jesse Dringoli and Kristen Dietrich, Bentley