



Tekla Structures 2008 North American User Meeting

Technical Agenda

The technical agenda for the 2008 North American User Meeting promises to be an exciting and informative series. As usual our attendees will participate in both general presentation sessions, as well as targeted technical breakout groups. This year breakout groups will focus on our Steel, Precast, and Engineering segments.

Day 1: Friday – August 22, 2008

Keynote Speaker | Walker Lee Evey

Mr. Evey is President of the Design-Build Institute of America, a national non-profit organization dedicated to the promotion of integrated design and construction project delivery services.

Before joining DBIA in June, 2004, Mr. Evey served as Senior Vice President at 3D/I, and spent three months as a Senior Advisor to the Iraqi Ministry of Housing and Construction. Before that, he was the Program Manager leading the Pentagon Renovation Program Project. Mr. Evey was the top civilian Air Force contracting official at the Pentagon prior to taking on Pentagon renovation, and also held a variety of key positions with NASA. He enlisted in the U.S. Army in 1967 and served in Vietnam.

Mr. Evey received a BA in Psychology and MA in Special Education from the University of South Florida, and a MS in Management Science from the Florida Institute of Technology.



General Session:

Flexnet & INI

A look at the startup INI files and how they work in place of the old batch (.bat) files. Then learn all about the new FLEXnet licensing system; from installation and activation to local usage vs. server usage to borrowing. We will explain all the benefits including how FLEXnet is more flexible and more secure than the previous system.

Breakout Sessions:

	Steel	Precast	Engineering
Breakout Session 1	Future Development	Drawings	Drawings
	An in-depth look at specific product development included in this year's releases of Tekla Structures - Steel Detailing. Included in this presentation will be a summary of the planned road map for the 2009 development road map.	A workshop summarizing the hints and tips of Precast drawing presentation. This workshop will focus on the steps and settings required to properly present the various elements of precast construction and the model data that controls this automated output.	For beginner level users, this session will expose users to the new drawing interface in v14.0 highlighting some the basics tools in creating design drawings.



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General Session: BIM For the Job Site

Learn how Project Managers and Field Superintendents can take advantage of the Detailer's data rich model and integrate it into their processes and work out on the jobsite. You will see presentations on how Tekla Structures licenses are being used on the jobsite today to plan and track construction schedules and sequencing, link with survey/layout equipment, find potential erection clearance conflicts, and specify special erection aids to detailing before fabrication.

Presenter: Steve Rodriguez, Field Superintendent from Steel-Tech Industrial

Steve will be showing how he uses the Tekla Structures Viewer license to review models for erectability issues, communicate the erection plan to his crew out on the jobsite, and coordinate issues and scheduling between the steel and the concrete portions of projects they typically work on.

BIM+RFID

Presenters: Stacy Scopano - Tekla, Inc. & Josh Kanner - Vela Systems

We will discuss the integration of Tekla Structures and Vela Systems Materials Tracker, a joint solution uniting Tekla Structures Building Information Models, Mobile Computing and RFID technology. Learn how detailed building information models created in Tekla Structures are utilized by other members of the project team to improve supply chain information sharing and project performance.

BIM Meets Field Layout and Surveying

Presenters: Stacy Scopano - Tekla, Inc. and Ken Shawler - Trimble Navigation Limited

In this presentation, Ken and Stacy will discuss how Trimble and Tekla are working to connect field layout and surveying equipment to detailed Tekla Structures Building Information models. Billed as CNC for the field, learn how information created during the design and detailing process can be utilized digitally during the construction process.

Are those Cranes and Trucks moving in the Tekla Model?

Presenters: Christopher Keyack - Tekla, Inc.

A brief demonstration of the latest enhancements to the Crane Animation and Erection Sequencer Planning tools that are available for download on the Tekla Extranet, Extended Applications page.



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Breakout Sessions:

	Steel	Precast	Engineering
Breakout Session 2	Miscellaneous	BIM Collaboration for Precast	Analysis and Design Integration & Connection Design
	See some of the latest improvements to the miscellaneous components. Both new & revamped components will be looked at during this session so that you can become familiar with these changes and improve the efficiency in which you use them.	Learn various methods of sharing information in today's 3D World. This workshop will cover the basics in how to collaborate with architects and design engineers using various file formats such as IFC, DWG or DGN. Examples will be shown of how reference models can be used in Tekla Structures.	New improvements to the analysis model creation interface in v14.0 will be demonstrated, as well as current levels of integration with 3rd party structural analysis and connection design tools.
Breakout Session 3	Modeling	Custom Components for Concrete	Cast-in-Place Rebar Modeling
	This workshop will focus on some advanced modeling tips, tracking progress in the model, and covering some connections and tools that you might not have known were there to help with your modeling. Some samples of these items; skewed and radiuses connections, hip and valley framing, plate modeling, working with numeric snapping, and recording basic scripts to colorize the model and set User Defined Attribute statuses.	Unlock the power of custom components in Precast concrete modeling. This workshop will show you how you can build logical, parametric components and how you can successfully apply them throughout the model.	Come learn how to fully utilize the basic rebar modeling tools now fully available in v14.0, plus how to use the various custom and system components available. Applications of the rebar modeling in design drawing creation and material reports will also be discussed.



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Day 2: Saturday - August 23, 2008

Breakout Sessions:

	Steel	Precast	Engineering
Breakout Session 4	Small Stuff	User Presentations	Collaboration Tools
	This session is for highlighting all the little things that could benefit you in your everyday work. From shortcuts, tips, tricks, to learning others ways to do things, this session will be valuable to both new and long time users.	Hear from some existing users how they are using Tekla Structures today. Presentations will also cover the application of RFID piece tracking technology.	This workshop will cover the basics in how to collaborate with architects and plant designers using various file formats such as IFC, CIS2 or DGN. Also, discussions on working with reference models in Tekla Structures will be highlighted.
	Steel	Precast	Engineering
Breakout Session 5	Top 12 Discussion	Development Road map	Development Road map
	A look at the progress made to items collected during the previous user meeting. Then a new list will be created of the top 3 items in the following categories; Modeling, Components, Drawings, & CNC/ MIS.	An in-depth look at specific product development included in this year's releases of Tekla Structures - Precast Detailing. Included in this presentation will be a summary of the planned roadmap for the future development roadmap.	An in-depth look at specific product development included in this year's releases of Tekla Structures - Structural Design. Included in this presentation will be a summary of the planned roadmap for the 2008 development roadmap. The second half of this workshop allows engineering firms to share their development requirements with Tekla and other customers. Three areas will be covered: Interoperability, Drawings, Analysis & Design Integration.



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	Steel	Precast	Engineering
Breakout Session 6	Drawings	Templates	CIP Custom Components
	<p>This workshop will cover some key features on drawings to help your productivity including intelligent cloning, drawing classifiers, and setting up standard details using the template editor. You will learn how to create cloning drawing templates and setting up your drawing wizards to reference those templates. You will also learn about cloning drawings from other models and setting up preview images for those cloning drawing templates.</p>	<p>See how to create reports that work with Microsoft Excel. Look at some advanced features in templates and some new techniques for automating information on drawings using templates.</p>	<p>For more advanced users, this workshop will cover how to build cast-in-place concrete custom components, as well as how to use them in conjunction with other CIP and rebar modeling tools.</p>
Breakout Session 7	Custom Components	Setting Up Your Company	Drawings II
	<p>This workshop will cover the fundamentals in making parametric custom components as well as cover the different types of custom components you can work with including Seams and Custom Parts. The examples will be basic to show the critical concepts behind binding and creating variables in a dialog box to make your custom components parametric. You will also be exposed to some of the custom components available out of the box that might be useful to you as samples or in your production.</p>	<p>Hear several techniques and scenarios on how companies can setup several stations of Tekla Structures and maintain customizations across an organization. Discussion on how to properly use firm and template folders, model templates and advanced options.</p>	<p>For more advanced users, this session will cover some more advanced drawing features such as creating drawing classifiers, customizing your titleblocks and schedules.</p>

Model Competition & Wrap Up:

See the results and discussion of this year's Model Competition. A forum designed to not only demonstrate the flexibility and power of the Tekla Structures platform, but also to showcase the innovation and capabilities of our users.