



2011 NCLUG Conference

December 6, 2011

Time	Track 1	Track 2
8:00 am - 8:30 am	Registration	
8:30 am - 8:45 am	Welcome Address	
8:45 am - 10:15 am	V8i (Lecture)	Overview of Corridor Modeling (Hands on Workshop)
10:15 am - 10:30 am	Break	
10:30 am - 12:00 pm	Configurations, DGN Libs, and Workspaces - Putting it all together (Lecture)	Creating Custom Templates (Hands on Workshop)
12:00 pm - 1:00 pm	Lunch	
1:00 pm - 2:00 pm	MicroStation Workspace & Customization (Hands on Workshop)	Superelevations and Overlay tools in Corridor Modeling (Lecture)
2:00 pm - 3:00 pm	What's in Your Toolkit? Make MicroStation Easier (Hands on Workshop)	Intersection Design and Variable Conditions (Lecture)
3:00 pm - 3:15 pm	Break	
3:15 pm - 4:15 pm	Printing in V8i (Hands on Workshop)	Cross Section & Labeling and Earthwork (Lecture)
4:15 pm - 4:30 pm	Question and Answers & Prizes	



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Track 1

V8i

MicroStation users and CAD administrators can get an opportunity to experience the latest capabilities of MicroStation V8i (SS3). Learn how the innovations in MicroStation can help you be more productive and consistent. Key topics covered include interoperability, geo-coordination, dynamic views, design modeling, and design review.

Configurations, DGN Libs, and Workspaces - Putting it all together

MicroStation users and CAD administrators 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 your users and projects. Key topics will include workspaces, configurations and standards.

MicroStation Workspace & Customization

The User Update course covers many of the new features and capabilities of MicroStation V8i with an emphasis on user interface and productivity gains. All of the major new capabilities of MicroStation V8i are covered. Students will learn about Workflow Task based interfaces and Project Explorer among other topics.

What's in Your Toolkit? Make MicroStation Easier

MicroStation Productivity Toolkit software products handle redundant and time-consuming tasks by automating processes that just take too long by the usual means. Areas such as solving virtually any MicroStation reference file problem fast, importing spreadsheet and word processing data into MicroStation with perfect formatting, performing quality assurance checks on your MicroStation files quickly and making unlimited changes to multiple design files quickly and easily are just some of the vital tasks that will be covered in this session.

Printing in V8i

There are a couple of big changes to printing in MicroStation V8i. We will learn how to use a new feature called Print Styles that allows you to quickly change the look of your prints. We will also look at Print Organizer which replaces the Batch Print you currently use.



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Track 2

Overview of Corridor Modeling

This is an introduction to GEOPAK Corridor Modeling design, presenting an urban 4 lane divided project as it has been designed with the Corridor Modeling tools environment and the 3D models that are created during the design.

Creating Custom Project Templates for Corridor Modeling

This will be an overview of the NCDOT2010 template library in GEOPAK Corridor Modeling, with instructions on components, switches, display rules, constraint labels, assigning style constraint and ranges to points, assigning point controls to alignments, (i.e. PGL, Special Ditch Profiles, etc.) This will also explain the procedure for Importing Graphics.

Superelevations and Overlay tools in Corridor Modeling

In GEOPAK Corridor Modeling, the Superelevation wizard is used to calculate the necessary critical stations and elevations for the design. This session will discuss the workflow and display graphical results for visual evaluation and editing. Also discussed will be shoulder rollover and curb slopes. New in GEOPAK Corridor Modeling, this session will present a project that has been designed with milling and overlay components and minor widening. It will also discuss the vertical profile adjustment design options available in Corridor Modeling.

Intersection Design and Variable Conditions

This presentation will show you some simple techniques for designing intersections within Roadway Designer. In GEOPAK Corridor Modeling, the project template can be designed to accommodate many varying conditions along the corridor. This session will discuss how to handle crossovers, right turns, median left turns, designing with variable slope requirements, walls, driveways, independent sidewalk conditions, linear ponds, etc.

Cross Section & Labeling and Earthwork

This session will demonstrate how cross sections can be generated from a GEOPAK Corridor Modeling design along pattern lines with the existing ground and ... integrated with Project Manager, Existing Features criteria, Ancillary features, Earthwork, Labeling and Final Cross Section Sheets.