



American Society of Civil Engineers

Our web site: <http://sections.asce.org/columbia/index.html>

Columbia Section

Since October 10, 1950

Newsletter

March 2007

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Columbia Section Meeting – March 21st, 2007

Date: March 21st, 2007

Place: Shilo Inn, George Washington Way, Richland

Meal: Buffet (Chef's choice) \$15 per person.
Please pay cash or check to treasurer at the meeting.

Topic: WSU Weather Network

Speaker: Lynne Hartz, WSU Prosser

Additional Speaker: Future City Team from St. Patrick's School

Lunch will start at 11:30, and the presentations will begin at 11:45.

RSVP: Paul Harmsen, pharmsen@mackaysposito.com or 509-374-4248 by March 20th, 2007.

President's Remarks:

Dear Members:

We will have several special guest speakers presenting at this month's Columbia Section lunch meeting. Our first speakers will be a team of students from St. Patrick's school that competed in the National Future City Competition in Washington D.C. It is exciting to see students involved in competitions such as this—please show your support of their efforts and attend this month's meeting and hear about their experience.

Last month we had a guest speaker from Tri-Cities Crime Stoppers. Angie Copenhaver, President of the Tri-Cities Crime Stoppers, presented on the 2nd Annual Cardboard Boat race. This is a fundraiser for the Crime Stoppers and is an excellent way to get involved with a fun design project. I encourage ASCE members to get involved with this activity and show off your creative design skills!

Our second speaker this month will be Lynne Hartz, from WSU Prosser, presenting on WSU's Weather Station Network and webpage accessibility. Please mark your calendars and plan to attend this month's Columbia Section lunch meeting.

I would like to thank all of the loyal ASCE members that attend our monthly meetings month after month. If you have not been to a lunch meeting recently, please consider attending this month and reconnecting with some people that you may not have seen in a while.

Hope to see you this month!

Sincerely,

Paul Harmsen
ASCE Columbia Section President

Speaker: Lynne Hartz, WSU Prosser

Ms. Hartz has a bachelor's degree in chemistry from the University of Hawaii and a Master's from WSU in Environmental Engineering. For the past six years she has been employed by WSU Prosser as a research tech with the weather system.

Topic: WSU Weather Network

Currently WSU has almost 180 stations throughout the state of Washington and more are planned in the coming year. The data from these stations is delivered free in real time at weather.wsu.edu. Much of the data goes back to 1989 when the first weather stations were installed and were primarily used by the agriculture industry. Now anyone interested in weather data will find this site useful.

NOTICE!!!!

Postal mailing of monthly newsletter to stop in March

The ASCE Columbia Section has decided to eliminate the hard copy mailing of the monthly newsletter. The Section pays a significant amount of postage and printing costs to mail the newsletters and is hoping to update the email list to include those members currently receiving the newsletter by postal mail. If you are a member receiving the newsletter by postal mail, please respond to Julie Nelson at (509) 546-2044 or by email at julie.nelson@hdrinc.com to update your information or to express any concerns about this decision. Postal mailing of the newsletters will stop after the March 2007 mailing.

If you do not have access to email, the newsletter is also viewable at the section website:

<http://sections.asce.org/columbia/index.html>

Future City Team

Returns from Washington D.C. with Special Award

The National Engineer's Week Future City Competition was held from February 17-22, 2007 in Washington, D.C. at the Hyatt Regency. The team from St. Patrick's School in Pasco attended after winning the Washington State Regional Competition in Seattle on January 20, 2007. In Washington, D.C., the team won a Special Award from the Water Environment Federation for "Innovative Solutions for Water and Wastewater Utilities to Reduce Costly Investment in America's Aging Infrastructure." The team's design included a "Green Power" cycle which used water in a continuous loop. The team was mentored by Ben Volk, Area Manager of J-U-B Engineer's Kennewick office.



Pictured: Francesca Lahoz, Ben Volk (Engineer Mentor), Alexis Armijo, Libby Volk, and Susan Taber (Teacher).

AutoDesk Civil 3D Training

April 25th – 27th
Pendleton Oregon

The City of Pendleton and Blue Mountain Community College have put together a 3 day AutoDesk Civil 3D training session. Training will be Wednesday April 25, 2007 thru Friday April 27, 2007 at Blue Mountain Community College in Pendleton. The cost for the training will be \$600 per seat. There are 8 seats available on a first come first served basis. Day one and two of the training will be Intro to Civil 3D, and day three will be Advanced Road Design and Rehabilitation.

Blue Mountain Community College will be handling the registration and will accept a check or PO. If you would like to register for this class you can contact Diana Hammon at 541-278-5762 or email: dhammon@bluecc.edu or Wayne Green at 541-966-0243, email: wayne.green@ci.pendleton.or.us, and we'll send you a registration packet.

Attached are the course descriptions. You may notice that the courses combined cost \$1220 if you take them at their Portland office, so this is a very good deal.



Training Course Outline

Pre-requisite: General AutoCAD knowledge.

Course Fee: \$795

Course Length: 2 days

To register for this class please visit our Training page on our web site www.thePPIgroup.com.

We have two locations to serve you:

Portland Office:
503.231.1576/800.247.1927

Seattle Office:
425.251.9722/800.558.5368

Introduction to Civil 3D

Autodesk® Civil 3D software is a powerful civil engineering tool that creates intelligent relationships between objects so design changes are dynamically updated. Increase productivity and automate design and drafting of road, site, and subdivision projects.

The PPI Group's Introduction to Civil 3D class is a hands on 2-day course that introduces the user to Autodesk® Civil 3D. If you are migrating from Land Desktop and Civil Design or are a new user, this fast paced course will provide you with a foundation for using Civil 3D's new dynamic technology. Everything from importing points and creating surfaces,

to finished corridor/road design will be covered during 2 intensive days. You will leave this class confident that Civil 3D is the design tool for you.

Day 1

- Drawing Setup
- Creating & Importing Points
- Point Groups
- Creating Surfaces
- Editing Surfaces
- Creating Alignments
- Editing Alignments

Day 2

- Creating EG Profiles
- Creating FG Profiles
- Editing FG Profiles
- Creating Assemblies
- Creating a Corridor
- Creating Sections

Autodesk®
Authorized Value Added Reseller

about us:

As an Authorized Value Added Reseller, the PPI Group will deliver the very best in service and technical support. With two decades of experience as an Autodesk partner, we have the knowledge base to be your expert. When it comes to learning, using, customizing and developing your CADD Environment, our staff can be your guide for products such as: AutoCAD, Civil 3D, Land Desktop, Building Systems, Architectural Desktop, Survey, VIZ, Public Works Solutions, Revit Building, Map 3D and Raster Design. Leverage your relationship with us to empower your users to achieve leadership in design.

Visit us at www.thePPIgroup.com



Training Course Outline

Pre-requisite: General AutoCAD knowledge and Intro to Civil 3D highly recommended. This pre-requisite may be waived with the instructor's approval prior to the start of the class.

Course Fee: \$425

Course Length: 1 day

To register for this class please visit our Training page on our web site
www.thePPIgroup.com.

We have two training locations to serve you:

Portland Office:
503.231.1576/800.247.1927

Seattle Office:
425.251.9722/800.558.5368

Advanced Civil 3D: Road Design & Rehabilitation

This one day class will take an in-depth look at Roadway Design using assemblies in Civil 3D. Through hands on exercises, students will learn how to use techniques in Civil 3D for new Road Design, existing Road Rehabilitation and Widening.

- Corridor Styles
- Alignments and Profiles
- Basic Assemblies
- Simple Corridor
- Create FG Surface
- Sections
- Quantity Takeoffs
- Editing Corridors
- Complex Assemblies
- Horizontal and Vertical Transitions
- Multiple Alignments & Profiles
- Road Rehabilitation & Widening

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about us:

As an Authorized Value Added Autodesk Reseller, the PPI Group will deliver the very best in service and technical support. With two decades of experience as an Autodesk partner, we have the knowledge base to be your expert. When it comes to learning, using, customizing and developing your CAD Environment, our staff can be your guide for products such as: AutoCAD®, Building Systems, Architectural Desktop, Revit® Building, Civil 3D, Land Desktop, Survey, VIZ, Map 3D and Raster Design. Leverage your relationship with us to empower your users to achieve leadership in design.

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