



2012 Seminar  
Crowne Plaza Columbus North  
6500 Doubletree Avenue  
Columbus, Ohio 43229  
(Map enclosed)

Thursday, June 7th, 2012  
8:30 AM to 3:30 PM



Earn 6.0  
PDHs!

***An introduction to Geographic Information Systems (GIS)  
And how it can be integrated into multiple engineering disciplines***  
**Earn 6.0 Professional Development Hours (PDH)!**

Join Speakers from ODOT, the City of Columbus and consultants to learn about the use of Geographic Information Systems (GIS) and how it can help. We will address data sources and issues, increased efficiency and better communication of results that can be seen through the use of GIS.

Advancements in technology have allowed large complex geospatial datasets to be quickly and accurately analyzed in various engineering projects. Many components that need to be addressed in the course of a project from site selection, and topographic data interpolation to stake holder identification, and public communication have a spatial aspect that can be analyzed through the use of a GIS.

This session will give a basic introduction to some of the programs and tools that are available within a GIS. It will discuss basic interaction with other programs such as Excel and AutoCAD. It will also touch on some possible data sources, both publically available and privately obtainable, and give you real world examples where GIS technology have helped complete engineering projects.

After registering please send an email to [mark.seidelmann@stantec.com](mailto:mark.seidelmann@stantec.com) with any topics or questions about GIS capabilities of processes you want answered or discussed and we will attempt to work them into the various sessions.

Who should attend? Engineering consultants, project managers, municipal administrators and others interested in learning more about the benefits of GIS in various engineering fields.

**Presentation Abstracts**

**Fred Judson, GISP** is a certified Geographic Information Systems Professional from the Geographic Information System Certification Institute (GISIC). Education includes Bachelors of Science from Excelsior College and a Post-baccalaureate Certification in Geographic Information Systems from the Pennsylvania State University.

Over 10 years' experience as a roadway designer and 10 years' experience in Geographic Information Systems (GIS). Responsible for the execution and the integration of District's enterprise GIS standards including GIS web implementations, applications and asset management policies and procedures. Additionally responsible for GIS support and training within the district and all GIS related functions as well as coordinating spatial data sharing between public and private entities.

**George F. Meyers, P.E.** is an engineer in the Asset Management Office (AMO) for the City of Columbus Department of Public Utilities (DPU). The AMO is responsible for strategic planning for how to manage the City's utility infrastructure. The AMO and DPU strive to provide the levels of service customers want, at acceptable levels of risk, for the lowest lifecycle cost. Prior to joining DPU in 2007 Mr. Meyers worked in risk management for 8 years as the Floodplain Engineer for the Ohio Department of Natural Resources, Division of Water, Floodplain Management Program. Prior to that, he worked as a civil engineer for 6 years in retail and commercial site design. His current position with the AMO draws well upon both of these past experiences. He received a BS in Civil Engineering from Ohio State in 1993 and is a registered professional engineer in the State of Ohio.

**Erick Lobao, GISP** has a wide range of experience utilizing GIS to facilitate data management and spatial analysis in both the private and public sectors. His previous work and educational experience provide a background that is well rounded in essential GIS skills such as data creation, data transformation, projections, cartography, visualization, statistical analysis and GPS data collection. He is equally comfortable and familiar working with environmental data sets, such as watersheds and floodplains as well as urban infrastructure, such as street centerlines and parcel polygons. As a GIS Project Manager in the Columbus office, Mr. Lobao addresses the GIS needs of Stantec clients and staff, effectively communicating the capabilities of GIS to individuals with varying amounts of experience in GIS.

**Anil Tangirala, P.E.** is a Project Manager with Stantec Consulting Services, Inc. Anil works at the Columbus office of Stantec and works primarily on Water Resources projects. His expertise includes Hydrologic/Hydraulic modeling, water quality modeling, design and modeling of storm/sanitary sewers and GIS Applications of Water Resources Engineering. Anil holds a Master of Science degree in Civil Engineering from University of Kentucky and is a registered Professional Engineer in the State of Ohio

Anil is an active member of the WEF Young Professionals Committee. Anil is also the Chair of the Watershed Committee of Ohio Water Environment Association.

**Mark Seidelmann, P.E., GISP** has extensive experience performing hydrologic and hydraulic modeling as well as using GIS applications for hundreds of miles of streams using HEC-RAS and FLO-2D. In addition to his hydrologic and hydraulic expertise, Mr. Seidelmann has worked on several Flood Hazard Mapping projects as a project manager acting as a liaison to both the State and FEMA. His duties included authoring several Flood Insurance Studies (FIS), attending Consultation Coordination Officer's (CCO) meetings and resolving protests and comments from local officials

## Registration

One registrant per form. Please duplicate this form for additional registrants.

ASCE Members: \$ 100.00  
Non-Members: \$ 120.00  
Students: \$ 30.00  
Registration after May 14, 2012: \$ 150.00

Fee includes morning continental breakfast, lunch, break refreshments, and parking.

The preferred method of payment is [online](#) by May 21, 2012. If you need to pay for multiple registrations, please pay by check. Checks should be made payable to *Central Ohio ASCE*.

Please register and pay [online](#) with a credit card. **Registration is due by 4 PM on Monday, May 21, 2011.** Registration fees may still be required for no-shows and registrants canceling after May 21, 2012.

Or - Please submit checks with registration forms.

Make checks payable to: *Central Ohio ASCE*  
Mark Seidelmann, Stantec Consulting Services Inc.,  
1500 Lake Shore Drive, Suite 100, Columbus, Ohio 43204  
Telephone: 614-486-4383,

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

e-mail \_\_\_\_\_

Choice of lunch will be fish, chicken or vegetarian. Please specify preference or any special dietary needs.

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## Schedule

8:30 - 9:00	Registration with Refreshments	
9:00 - 10:00	Introduction to GIS software and capabilities	Mark Seidelmann Erick Lobao
10:00 - 10:15	Break	
10:15 - 11:15	GIS for sewer modeling	Anil Tangirala
11:15 - 12:00	Utilizing UAS Technology for Remote Sensing Operation at the Ohio Department of Transportation.	Fred Judson
12:00 - 1:00	Lunch Break	
1:00 - 1:45	FAQ – Responses to requested Questions and topics	Various
1:45 - 2:30	Using GIS to Help Prioritize Water Main Replacement / Rehabilitation .	George Meyers
2:30 - 2:45	Break	
2:45 - 3:30	GIS in Water Resources	Mark Seidelmann

## Directions and Map

### DIRECTIONS TO THE EVENT:

**Crowne Plaza Columbus North**  
6500 Doubletree Avenue  
Columbus, Ohio 43229  
Phone: (614) 885-1885

#### **From the North:**

Take I-71 South to the OH 161/East Dublin Granville Rd exit. Turn right on 161. Turn right on Busch Blvd. Turn right on Kingsmill Parkway. Cross through Doubletree Avenue into the hotel parking lot.

#### **From the South:**

Take I-71 North toward Columbus the OH 161/East Dublin Granville Rd exit. Turn left on 161. Turn right on Busch Blvd. Turn right on Kingsmill Parkway. Cross through Doubletree Avenue into the hotel parking lot.

