

ASCE Newsletter

Central Ohio Section

April, 2011
Volume 15, Issue 8

CONTENT

President's Letter 2

Latest News 2-4

Calendar of Events 5

Newsletter Ads 6-7

Pay Securely
Online On Our
Web Site



A P R I L D I N N E R M E E T I N G

Date/Time: Thursday, April 21, 2011 - 5:30 P.M. - Registration — 6:00 P.M. - Dinner

Location: DINNER: Academic Research Center (ARC) Atrium - Oxbow Trail Rd - Athens, OH 45701. Attendees for the dinner can park at the Visitor Garage listed above or in any Dark Green Faculty/Staff Parking Lots after 5:00 p.m. The closest lots to the Academic Research Center are lots 111, 114, and 115 as shown on the attached map; these lots are open to the public after 5:00 p.m. Click here for parking map: <http://www.ohio.edu/athens/parking.pdf>

Speaker: Steve Williams, P.E., ODOT District 10 Deputy Director

Topic: **Construction of Nelsonville By-Pass Presentation and Tour**
As a major corridor for Ohio University students, Athens residents, and Ohio travelers, the Nelsonville By-Pass will offer an alternative route around the City of Nelsonville (approximately 14 miles NE of Athens). US-33 presently carries a substantial amount of interstate traffic between South Bend /Fort Wayne Indiana; Columbus, Ohio; and Charleston, West Virginia. When it is complete the By-pass will route the eighth busiest truck route in Ohio around Nelsonville and improve the connection between the Midwest, the East coast, and Appalachia. The dinner presentation will discuss the current construction activities and the project's overall scope.

Menu: Buffet-Style Dinner – Lasagna, 9 Veggie Lasagna, Italian Green Beans, Italian Bread Plain/Garlic, Tossed Salad w/ Dressing, Italian Cream Cake, Beverages

CPD Hours: A certificate for one (1) Continuing Professional Development (CPD) hour will be issued.

RSVP: **Registration is due by 5 PM on Friday, April 15, 2011.** Late registrations and walk-ins may not be accepted. Registration fees may still be required for no-shows and registrants canceling after April 15, 2011. Register and pay [online](#) with a credit card, or contact John Ubbing at (614) 940-7911, jubbing@gmail.com or register@centralohioasce.com.

Cost: \$25 ASCE Members & Guests - \$20 ASCE Life Members - \$10 Students.

Payment: The preferred method of payment is [online](#) before April 15, 2011 or on the day of the event by cash or check. If you need to pay for multiple registrations, please pay by check. Checks should be made payable to Central Ohio ASCE.

Site Tour: 2:30 P.M. - Check-in — 2:45 P.M. - Depart for By-Pass Site Tour
Parking at the site is very limited. Accommodations have been made to meet at Ohio University and then be transported to the site. All participants should meet at the Stocker Center Lobby located at the west end of West Green (Building 103 on attached map) at 2:30 p.m. We will depart for the site at 2:45 p.m. Site Visit attendees will be returned to the Stocker Center following the tour, please note that the Stocker Center is attached to the Academic Research Center (location of Dinner Meeting).

Participants should park at the Visitor Garage Parking, Lot 122 (please note this is an hourly parking garage) west of the Baker University Center (Building 87).

2 0 1 0 - 2 0 1 1 B O A R D O F D I R E C T O R S

PRESIDENT
Julie Pickering
(614) 486-4383

1ST VICE PRESIDENT
Michael Mazzoli
(614) 876-8000

2ND VICE PRESIDENT
Michael Navabi
(614) 839-0379

TREASURER
Adam Rich
(614) 797-2463

**MEMBER-AT-LARGE /
NEWSLETTER EDITOR**
Brooks Vogel
(614) 487-1650

SECRETARY
Mark Seidelmann
(614) 486-4383

WEB SITE EDITOR
Peter Narsavage
(614) 432-4030

LETTER FROM THE PRESIDENT

Thank you to those who were able to attend our March joint meeting with our friends and colleagues from the Engineers Club of Columbus and ASHE. We had a great turnout for the presentation and tour of Westerville's West Main Street Bridge project. A special thank you goes out to our speakers, James Pajk and William Marty, and to our tour guides, Michael Bashore and Scott Roe!

April promises to be a busy month full of ASCE activities! On Tuesday, April 19th from 8:30 AM to 3:30 PM, we will be having our 2011 Technical Seminar entitled "Low Impact Development and LEED - Ohio Balanced Growth Program: Watershed Plans and Best Practices for Local Governments". It will be held at the Crowne Plaza Columbus North, and is a great and inexpensive way to earn 6 professional development hours! Thank you to our 2nd Vice President, Michael Navabi, for organizing the event.

Our April meeting will be a joint dinner meeting with the Ohio University Student Section of ASCE. It will be held in Athens on Thursday, April 21. The presentation will be about the Construction of the Nelsonville By-Pass. Prior to dinner, there will be a site visit for those who are able to attend. For details, please see page 1 of this newsletter and visit our website to register.

Once again, we are hosting a Career Day for high school students. This year, it will be held on Wednesday, April 20 and will include lunch at the OSU 4-H Center and a tour of at least two local construction projects, including the OSU ProjectONE project and the West Main Street Bridge project in Westerville. Thank you to our event organizers, Beth Meek, Carolyn Merry, and Emily Wieringa. If you know of any high school students who would be interested in participating, please contact Emily Wieringa at ewieringa@co.union.oh.us.

Thank you for casting your vote in our annual Central Ohio ASCE election. The votes are currently being tallied, so we should know the results soon.

As always, for the latest news and details on upcoming events, please visit our website, <http://www.centralohioasce.com/>. In addition, be sure to sign up to be on our email list so you can receive updates, event information and reminders via email.

Have a wonderful April!

Thank you, Julie L. Pickering, PE, M.ASCE
Julie.Pickering@Stantec.com

GEOLOGY IN CORE AND OUTCROP WORKSHOP II

The Ohio Department of Natural Resources, Division of Geological Survey and Ohio Geological Society in cooperation with Cox-Colvin and DLZ-Ohio, Inc. will host a workshop dedicated to unraveling the mysteries of the near-surface geology of central Ohio. Workshop participants will learn about diagnostic environmental and geologic characteristics, hydrogeologic properties, general engineering characteristics, potential environmental and geologic hazards, and economic uses for eleven bedrock and Quaternary geologic units. Attendees also will receive an overview of central Ohio's geology and how to use Survey mapping products; basic training in core description of bedrock and glacial sediments; and opportunity to use and critique fact sheets written for a planned field guide entitled: *Ohio's Geology in Core and Outcrop—A Field Guide for Citizens and Environmental and Geotechnical*

Investigators. Hands-on exercises will bring central Ohio's geologic units alive as participants compare concise fact sheet descriptions with core examples for each unit and outcrop photographs. Also, a series of short cores from boreholes will test interpretative skills, demonstrate the utility of the field guide in simulated field settings, and provide insight to the diversity and stratigraphic relationships of central Ohio's near-surface geologic units.

Additional Information: Direct questions to Madge Fitak at (614) 265-6585 or by e-mail at madge.fitak@dnr.state.oh.us or Greg Schumacher at (740) 548-7348, Ext. 125. Additional information is available at the Ohio Geological Society Web site, www.ohgeosoc.org, and ODNR Division of Geological Survey Web site, www.OhioGeology.com.

2011 OHIO CONSTRUCTION CONFERENCE

We would like to identify and recognize our Section members who donate their time and resources to issues of Society concern by serving on Technical, Professional, Educational, Research, Board, and Institute Committees at the Society level.

Individual	Committee/Institute	Committee
David F Pritchard, P.E., M.ASCE	National Board Committee	Communications Committee
Kathryn Anne Johnson, A.M.ASCE	National Board Committee	International Activities Committee
Heather L Seitz, P.E., M.ASCE	Environmental and Water	Stormwater Infrastructure
Jay M Herskowitz, P.E., M.ASCE	Environmental and Water	Urban Drainage Standards
Derek Duane Wride, P.E., M.ASCE	Environmental and Water	Visiting International Fellowship
Paul Marion Sivey, P.E., M.ASCE	The Coasts, Oceans, Ports, and	Marine Renewable Energy
Tien H Wu, Ph.D., P.E., Hon.M.ASCE	The Geo-Institute	Risk Assessment and
Prof. Shad M Sargand M.ASCE	The Geo-Institute	Shallow Foundations
Harry B Thomas, P.E., M.ASCE	The Structural Engineering	ASCE 7 Subcommittee on Dead
Andrew Francis Martin, P.E., M.ASCE	The Structural Engineering	ASCE 7 Subcommittee on Wind
Mark Eugene Bernhardt, P.E., M.ASCE	The Structural Engineering	Bridge Management, Inspection
Mark Edward Greenwood, M.ASCE	The Structural Engineering	Fiber Composites and Polymers
Harry B Thomas, P.E., M.ASCE	The Structural Engineering	Flood Resistant Design and
Andrew Francis Martin, P.E., M.ASCE	The Structural Engineering	Minimum Design Loads For
Harry B Thomas, P.E., M.ASCE	The Structural Engineering	Minimum Design Loads For
Shane Vilasineekul, A.M.ASCE	The Structural Engineering	Performance of Wood Structures
Halil Sezen, Ph.D., M.ASCE	The Structural Engineering	Seismic Effects
Anand Balkrishna Gogate, F.ASCE	The Structural Engineering	Shear and Torsion (w/ ACI 445)
Halil Sezen, Ph.D., M.ASCE	The Structural Engineering	Shear and Torsion (w/ ACI 445)
Thomas M. Less, EIT, A.M.ASCE	The Structural Engineering	Steel Bridges
Harry B Thomas, P.E., M.ASCE	The Structural Engineering	Student Initiatives Committee
Michael James Smejkal, P.E., M.ASCE	The Transportation and	Airfield Pavement Committee
Larry James Shannon, P.E., M.ASCE	The Transportation and	Geometric Design Committee
Dr. Carolyn Jean Merry M.ASCE	Educational Activities Committee	Department Heads Council

LEGISLATIVE FLY-IN



ASCE's 11th Annual legislative fly-in March 30 and 31 was a success. ASCE members from Central Ohio, as well as members of Central Ohio ACEC (American Council of Engineering Companies) members met with staff members of Representative Tiberi and Senators Portman and Brown to encourage favorable voting on current bills containing infrastructure improvements, as recommended in the Report Card. Senator Sherrod Brown's office is very active coming up with his own version of infrastructure improvement which includes a mix of grants and loans and goes beyond highways and covers the clean water act.

Section Members David Pritchard, Michael Navabi, Kevin Carpenter, and Jim Pajk on Capitol Hill

CENTRAL OHIO SECTION CAREER DAY

Date & Time: Wed, 04/20/2011 - 8:00am

Location: 410 Hitchcock Hall, 2070 Neil Avenue, Columbus, OH 43210-1275

The Central Ohio Section of the American Society of Civil Engineers (ASCE) is sponsoring a "Civil Engineering Career Day". The purpose of the program is to expose high school juniors to the profession in hopes that they may consider civil engineering as a career. In the past, the program has received national recognition from ASCE for the excellent exposure that the students and community receive as part of the program. This year the program will take place April 20, 2011.



The itinerary consists of a welcome reception at The Ohio State University Department

of Civil Engineering, two tours relating to different aspects of civil engineering and a luncheon at the OSU 4-H Center, which will feature speakers from the Civil Engineering Departments of The Ohio State University and Ohio University. The students will either be

transported by bus or walk to the different tours and lunch locations. There is no cost to the school or student. Students must arrange for their own transportation to and from OSU. The tours will be held at the OSU ProjectONE (new hospital) site and the West Main Street Bridge Project in Westerville.

Area schools are invited to send up to five junior ranking students. Since the number of participants is limited by the size of the bus, reservations will be on a first come basis. Please respond by April 15, 2011, if interested. The event will happen rain or shine. Students will need to dress appropriately, including pants (no shorts) and hard sole, closed toed shoes. Students without appropriate dress attire will not be permitted to participate. Hard hats and safety glasses will be provided if required for the tours. Permission slips are attached for students to fill out. Any student without a signed slip will not be permitted to participate. A map is also attached showing the location of Hitchcock Hall on OSU campus. Students should park in the Tuttle Parking Garage. Parking passes will be provided at registration. If there are any questions, please visit <http://www.centralohioasce.com/career> for additional information. If you would like to register students, please contact Emily Wieringa at ewieringa@co.union.oh.us or calling 937.645.3115.

OHIO RIVER VALLEY SOILS SEMINAR XLII

CALL FOR PAPERS - TOPIC: "Lessons Learned: Failures and Forensics"

As professionals in the geotechnical field, we are consistently seeking to design and construct safe structures using economical construction practices. However, due to the high variability of the materials with which we deal (e.g., soil stratigraphy, shear strength, permeability, etc.), the values and conditions that are predicted do not always match those that are experienced. This may result in an over-designed but less economical structure, or an under-designed and unsafe structure. The Geotechnical Group of the ASCE Cincinnati Section is issuing this Call for Papers with emphasis on "Lessons Learned: Failures and Forensics" for the 42nd Annual Ohio River Valley Soils Seminar (ORVSS XLII) on October 21st, 2011 at the Millennium Hotel in Cincinnati, Ohio. Papers may include geotechnical design, instrumentation, investigation, construction, case histories, etc. that cover pertinent topics, which may include, but are not limited to, building foundations, dams and levees, earth retention sys-

tems, roadways, tunnels, and waterfront development. Papers should highlight innovative techniques or technologies implemented in forensic studies, predicted versus actual performance of structures, and innovative construction practices resulting from lessons learned. Papers will be



selected to be presented during the one-day seminar with the papers distributed to the attendees as part of the seminar proceedings. The goal of ORVSS XLII is to provide

Geotechnical Engineers, Geologists, Contractors, Material Suppliers, and other geotechnical practitioners an opportunity to share lessons learned on previous projects in order to continue the advancement of our professional field.

Deadlines:

Receipt of typewritten one-page abstract: Friday, May 6, 2011. For questions or additional information, contact Jared D. McFaddin, P.E. at Jared.Mcfaddin@cincinnati-oh.gov

2010 - 2011 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Location	Person Responsible
Tuesday, April 19, 2011 Lunch	Technical Seminar - Low Impact Development and LEED	Crowne Plaza Columbus North	Michael Navabi
Wednesday, April 20, 2011	Career Day	Tour of OSU ProjectONE (Medical Center)	Beth Meek/Carolyn Merry/Emily Wieringa
Thursday, April 21, 2011 Dinner	US-33 Nelsonville By-Pass Project	Ohio University - TBA	Bob Heady
Tuesday, May 10, 2011	Ohio Engineers Legislative Day	TBA	Dave Pritchard
Thursday, May 12, 2011 Lunch	ASCE National President-Elect and Awards Luncheon	The Blackwell Inn at OSU	Mike Mazzoli
June 15, 2011 6 - 8 PM	Planning Meeting	Tommy's Pizza, Dublin	Adam Rich
Friday, June 24, 2011	Annual Golf Outing	Darby Creek Golf Course	Jim Pajk

15TH ANNUAL GOLF OUTING

When: Friday, June 24, 2011 - 11:00 a.m. shotgun start. Driving range is free and available 1 hour before tee time, all golfers must be in their carts and ready to go by 10:40 a.m.

Where: Darby Creek Golf Club

Format: Our Popular 2 person Mixed Format - 6 holes Alternate Shot, 6 holes Best Ball, 6 holes Scramble

Cost: \$70.00 per person. Price includes greens fees, cart, range balls, lunch, steak and chicken dinner, those Pies and prizes.

Great Hole Prizes and Giveaways



Proceeds to benefit the Younger Member Forum, Civil Engineering Career Day and Minority Student Engineering Program

We are looking for Companies to be hole sponsors for \$100 or to be a lunch, dinner or beverage cart sponsor for \$250!

KEEP UP TO DATE

Join Our E-Mail List!
Keep up to date with all the current events and announcements. Just go to <http://centralohioasce.com/e-mail> and follow the directions to sign up.

Visit Us On The Web:
www.centralohioasce.com

E-Mail Us:
asce@centralohioasce.com

BOARD MEETING

Our Next Board Meeting Will Be Held at 11:30 A.M. Thursday, May 5, 2011. Location T.B.D.



ASCE

American Society of Civil Engineers
Central Ohio Section



90th
ANNIVERSARY
1921 - 2011

OUR PROFESSIONAL SPONSORS

Thank You

Put Your Ad Here
Business Card Ad
 \$175 / year
Double Business Card Ad
 \$350 / year
 To purchase a newsletter ad, contact Mike Mazzoli at (614) 876-8000.



A Minority, Woman-Owned Small Business
www.primeeng.com

Corporate Headquarters
 3000 Corporate Exchange Drive, Suite 600
 Columbus, Ohio 43231
 P 614 839 0250

Architectural Services
 Structural Engineering
 Civil | Water | Waste Water
 Transportation Engineering
 Construction Management
 Construction Inspection
 Materials Testing

OHIO | CONNECTICUT | MARYLAND | TEXAS




BBCM | Celebrating **50+** years
 SOLUTIONS TO BUILD ON

Geotechnical Engineering
 Environmental Engineering
 Construction Observation & Materials Testing

(800) 433-1840 • www.bbcm.com

Columbus Cleveland Cincinnati Dayton



Jones-Stuckey Ltd., Inc.

Highways • Bridges
 Civil/Site • Sewers • Waterlines
 Recreation • Parks • Environmental
 Studies • Construction Administration

Columbus 614.486.0401
 Akron 330.620.8271

www.jonesstuckey.com Civil • Structural Engineers



Grumman Exploration, Inc.
 Near-surface Geophysics,
 Non-destructive Subsurface Exploration

Services

- Ground-Penetrating Radar
- Electrical Resistivity Imaging
- Electromagnetic Profiling
- Seismic Testing
- Magnetometry

“Look before you dig!”

(614) 488-7860
www.GrummanExploration.com
info@GrummanExploration.com

INNOVATIVE ENGINEERING

GIS ■ Planning ■ Geotechnical ■ Design/Build
 Environmental ■ Transportation ■ Water Resources
 Program Management ■ Construction Services



Gannett Fleming
 A Tradition of Excellence
www.gannettfleming.com

Columbus, OH ■ Phone: (614) 794-9424
 Akron, OH ■ Phone: (330) 668-8800

ISO 9001:2008 CERTIFIED



RIVER CONSULTING

A Leading Mid-Major A/E to Global Energy, Food, Process and Industrial Clients.

We design some of the most challenging steel and concrete structures for clients around the globe. Visit our website for examples of our projects.

445 Hutchinson Ave., Suite 740
 Columbus, Ohio 43235

www.riverconsulting.com



Urban Revitalization | Waste Management | Energy | Environmental

Solving complex challenges related to land, energy and the environment.

Hull can help!
 Contact 614.793.8777
www.hullinc.com

Hull
 & Associates, Inc.

OUR PROFESSIONAL SPONSORS

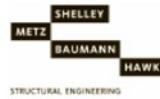
Thank You



ms consultants, inc.
engineers, architects, planners

2221 Schrock Road
Columbus, Ohio 43229-1547
614.898.7100
info@msconsultants.com
www.msconsultants.com

Offices in Ohio, Indiana, Pennsylvania, West Virginia & North Carolina



STRUCTURAL ENGINEERING

1166 Dublin Road, Suite 200
Columbus, Ohio 43215-1038

T 614 481-9800
F 614 481-9353

www.smbhinc.com



SPENCE
Environmental
Consulting, Inc.

- Environmental Assessments
- Geotechnical Engineering
- Site Remediation
- Regulatory Compliance

(614) 837-4750
www.spenceenv.com

Engineering • Planning • Architecture
Environmental • Surveys • Transportation

In Ohio, call
(614) 486-4383



One Team. Infinite Solutions.

Steven Schaefer Associates, Inc.

Cincinnati • Columbus



Consulting Structural Engineers

815 Grandview Ave
Suite 250
Columbus, Ohio 43215
www.ssastructural.com

Phone: 614-428-4400
Fax: 614-428-4500

KORDA

IMAGINE • CHALLENGE • INNOVATE • CREATE

Columbus office

tel: +1 614.487.1650
fax: +1 614.487.8981
web: www.korda.com
email: columbus@korda.com

1650 Watermark Drive Suite 200 | Columbus, Ohio 43215

Site Development | Transportation | Public Works | Surveying