

ASCE Newsletter

Central Ohio Section

January, 2013
Volume 17, Issue 5

CONTENT

President's Letter 2

Latest News 2-5

Calendar of Events 5

Newsletter Ads 6-7

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JANUARY LUNCH

DATE: Thurs. January 17, 2013 - 11:30 A.M. Registration - 12:00 P.M. Presentation and Lunch

LOCATION: Villa Milano, 1630 Schrock Road,
Columbus, OH 43229

SPEAKERS: **Tim Mentel, PMP** - Columbus
Regional Airport Authority, Project
Manager
Ken Macdonald, PE - Parsons
Brinckerhoff, Inc., Construction
Manager



TOPIC: **Design and Construction of Runway 10R/28L Replacement Program at Port Columbus International Airport**

The Columbus Regional Airport Authority is currently constructing the Runway 10R/28L Replacement program at Port Columbus International Airport. The new 10,113-foot replacement asphalt runway is located 702 feet south of the existing south runway. Paving was completed in early November 2012 and the navigational aids, airfield signage and lighting are currently being installed in preparation for the FAA flight checks scheduled for March and May 2013. Commissioning date of the replacement runway is June 27, 2013.

The final phase of the replacement runway program will commence immediately following runway commissioning with the conversion of the existing runway to an additional parallel taxiway.

The presentation will cover the unique planning and design issues of the runway program; the coordination efforts of creating the safest working environment for construction immediately adjacent to an active runway; construction coordination amongst multiple contractors and strategies used to overcome the wettest year in Columbus history during our subgrade preparation and base course construction efforts.

MENU: Lasagna (with meat sauce) or Lasagna Cacciatora (vegetarian) -please specify at registration.

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

COST: \$20 ASCE Members & Guests, \$15 ASCE Life Members, \$10 Students

REGISTER: **Registration is due by 5:00 PM on Mon., Jan. 14.** Late registrations and walk-ins may not be accepted. Registration fees may apply for no-shows and registrants canceling after the deadline. To register contact Michael Navabi: 614-839-0250, or register@centralohioasce.com

PAYMENT: The preferred method of payment is online (click [HERE](#)) before the registration deadline. Payment on the day of the event is available by cash or check payable to Central Ohio ASCE.

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LETTER FROM THE PRESIDENT

Central Ohio Section Members,
Happy New Year! As we start another year I wanted to remind everyone of some activities the Central Ohio Section is involved with.

The Ohio Council of Sections is continuing their efforts to publish an updated Ohio Infrastructure report card. If you would be interested in helping with this effort, please contact Kevin Carpenter. His contact information can be found here: <http://www.asce.org/Regions-Sections-Branches/Region-3/Leadership/Leadership/>

If you are a younger member (Under age 35) and are interested in getting more involved with the section, the Younger Members group is hosting an array of activities this year. Find out more by enrolling in the Younger Member email list here: <http://www.centralohioasce.com/e-mail>

The section board is looking for ways to better serve the section members. If you have any ideas on how the section can help you or the general membership, please let one of the board members know.

If you or someone you know is looking for a job, the ASCE Central Ohio Section has posted links to our newsletter sponsors company employment pages on its website.

I hope to see everyone at the January 17th luncheon at Villa Milano.

Regards,
Adam Rich, P.E., M.ASCE
President – ASCE Central Ohio Section
President@CentralOhioASCE.com

MEMBERSHIP RENEWAL RACE - WELL DONE!



The race was on to renew your ASCE National and Central Ohio Section Membership. A big "THANK YOU!" goes out to the Central Ohio Section and those members who renewed by December 14, 2012. The final standings were posted, and the Central Ohio

Section placed 4th out of all Medium Sized Sections - those with 501 to 1,000 members. We again thank you for your support and your continued membership, and it is still not too late. To renew, please click [HERE](#).

Final ASCE Section Standings: (updated 12/20/2012)

LARGE SECTIONS:	MEDIUM SECTIONS:	SMALL SECTIONS:
Louisiana	Iowa	North Dakota
Oregon	Kansas City	Quad Cities
Maryland	Alaska	Akron-Canton
Illinois	Central Ohio	Kansas
Seattle	St. Louis	Montana

MEAD, MUSIC, AND ... ENGINEERS ?



Come join Engineers Without Borders at Brothers Drake Meadery & Bar on Saturday, January 19, 2013 from 5:00 PM - 9:00 PM for a "mead" and greet. Our gracious hosts will teach us about "the ancestor of all fermented drinks",

let us try some tasty samples and even mix up a special cocktail for the event.

After the tour and with a drink in hand, you can enjoy some traditional El Salvadorean fare. "Why El Salvadorean food?", you ask. Well, that's where we've been designing, working and empowering for the past four years to build a street

for an amazing community. We will share a bit about our experiences there and show you the before and after.

Then, we will end the night with the musical stylings of Hope Vitellas - winner of the 2010 Lilith Fair local talent search and X Factor Greece participant.

The event is FREE to attend, but we will gladly accept donations. Please RSVP by selecting the number of tickets; you will also have the option to make a donation. The samples, tour and food are complimentary, but any additional drinks at the bar will be at regular price. Part of the proceeds from the specialty cocktail will benefit our organization, so DRINK UP!

Click [HERE](#) to register.

FREE WEBINAR - HEC-GeoRAS AND RAS MAPPER

What: Free Continuing Education Webinar - 1.0 PDH

When: Tuesday, Feb. 19, 2013
12:00 Noon - 1:00 PM
Bring your own lunch

Where: S&ME, Inc.
6190 Enterprise Court
Dublin, OH 43016

Who: Central Ohio Section Members

Topic: **Floodplain Mapping Using HEC-GeoRAS and RAS Mapper**

Details: [Click Here](#)

RSVP: To newsletter@centralohioasce.com by Friday, Feb. 15.

*Seating is limited to the first 25 people.



- Learn how to partially or fully replace HEC-RAS cross sections based on topographic data
- Understand differences between mapping results with RAS Mapper and HEC-GeoRAS

Webinar Outline

- Introduction
- File set up
- Required and optional data
- Incorporating survey in ArcGIS
- Exporting and importing to HEC-RAS
- Incorporating survey in HEC-RAS/Partial replacement of cross-section geometry
- Floodplain mapping with RAS Mapper
- Exporting from HEC-RAS
- Importing in to ArcGIS
- Mapping with HEC-GeoRAS
- Mapping comparison

Primary Discussion Topics

- HEC-GeoRAS files
- Incorporating survey data
- Attributing Shapefiles
- Exporting to HEC-RAS
- Importing into HEC-RAS
- Setting up the HEC-RAS geometry file
- Mapping results in RAS Mapper
- Exporting results and mapping with HEC-GeoRAS

HEC-GeoRAS is an ArcGIS toolbar that helps to incorporate LiDAR and other topographic datasets in to HEC-RAS. This webinar will show how to add topo data to a HEC-RAS model once the HEC-RAS model has been run, and how to map the resulting floodplain using both HEC-GeoRAS and the HEC-RAS tool, RAS Mapper.

Webinar Benefits

- Learn how to set up a HEC-RAS model based on topographic data
- Learn out to efficiently incorporate survey data into a HEC-RAS model

FREE CONTINUING EDUCATION WEBINARS

What: Free Continuing Education Webinars

When: Monthly or Bi-Monthly, over lunch hour

Where: A participating Section Member's office or other venue

Who: Open to all Central Ohio Section Members



As a service to our members, the Central Ohio Section is considering sponsoring free continuing education webinars through the ASCE National website. Webinars will be evaluated based on member interest and expected participation, and will typically held over a lunch hour. Lunch will not be provided. A complete list of available webinars is available by clicking [HERE](#).

ASCE's webinars use teleconferencing and Microsoft Live Meeting Professional software to make the events an actual live, interactive learning experience. You will be able to ask the instructor questions and get live real time answers. The instructor will be able to conduct

polls to gauge your interest in certain areas and ask you questions as well. Webinar materials/handouts will be provided prior to the webinar and you will be able to view the instructor's Power Point slides during the webinar. Webinars have a much higher impact than simply reading material on the web.

In order to gauge participation, **we request your feedback.**

1. Please evaluate the list of available topics [HERE](#).
2. Respond to newsletter@centralohioasce.com expressing your interest in a particular webinar during the months of December through March.
3. We are also looking for host locations. If your company or organization would be interested in hosting a webinar in your conference room and opening it up to other interested Section Members, please also respond accordingly.
4. Based on feedback provided, upcoming webinars will be advertised in the newsletter, on the Central Ohio Section website, and via email.

PE REFRESHER COURSE

What: 2013 Civil Engineering PE Refresher Course
When: Jan. 22-Feb.14, 2013
Where: OSU Campus, 426 Hitchcock Hall
Cost: The cost for the course is \$600. Full refund (less \$50 processing charge) for any cancellation/withdrawal prior to the first class meeting date. There are no refunds for partial attendance.
Registration: Minimum of two weeks in advance.
Parking: There is a fee for parking in the OSU garages. A map can be found on OSU's webpage at <http://www.osu.edu/map/>.

Summary: The Civil Engineering PE Refresher Course will meet each Tuesday and Thursday evening from 7:30-10:30 for eight sessions beginning the 22nd of January. Registration is required and must be completed at least two weeks in advance of the section starting date. Payment or contract must accompany application to ensure enrollment. All checks or money orders should be payable to The Ohio State University. If enrollment does not meet the minimum required, the course will be cancelled and all money will be refunded.

Textbooks and Notes: No text is specified for this course; participants are encouraged to refer to the textbooks that they used in their formal education. Copies of appropriate lecture notes will be provided. Participants will also be given a copy of the *PE Civil Sample Questions and Solutions* book from the National Council of Engineering Examiners (NCEE).

Topics Covered:

- Structural Analysis
- Reinforced Concrete and Structural Steel Design
- Transportation Engineering
- Environmental Engineering
- Geotechnical Engineering
- Construction Management
- Engineering Economics
- Hydraulics & Hydrology

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ASCE CONTINUING EDUCATION SEMINARS

ASCE Geographic Services is pleased to provide Continuing Education seminars and workshops. These in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department.

Seminar/Workshop	Date	City / State
Financial Management for the Professional Engineer	January 17 - 18, 2013	Minneapolis, MN
Risk- Based Seismic Design and Evaluation	January 17 - 18, 2013	Chicago, IL
Introduction to Dam and Levee Safety, Evaluation and Rehabilitation	February 7 - 8, 2013	Chicago, IL
Seismic Loads for Buildings and Other Structures	February 7 - 8, 2013	New Orleans, LA
Wetlands and 404 Permitting	February 7 - 8, 2013	New Orleans, LA
Leadership Development for the Engineer	March 7 - 8, 2013	Chicago, IL
Stormwater BMPs That Work: Effective Analysis, Design and Maintenance	March 7 - 8, 2013	Chicago, IL
Aluminum Structural Design with the 2010 Aluminum Design Manual	March 21 - 22, 2013	Chicago, IL
How to Start, Build and Run a Forensic Engineering Practice	March 21 - 22, 2013	Chicago, IL
Wind Loads for Buildings and Other Structures	March 21 - 22, 2013	Cincinnati, OH

2012-2013 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Group(s)	Location	Coordinator
Thursday January 17, 2013 Lunch	Columbus Airport Updates	ASCE Younger Members	Villa Milano, Westerville	Stephanie Phillips
Thursday February 21, 2013 Lunch	Engineers' Week - Celebrate Awesome	All	Bridgewater Conference Center	Engineering Week Committee
Thursday March 14, 2013 Lunch	Remediation Utilizing GIS	ASCE	TBD	Mark Siedelmann and David Alvarez
Thursday March 28, 2013 Lunch	ASCE Annual Seminar: "Design and Construction of Steel Sheet Piling Structures"	ASCE	WD Partners, Dublin	Carlos Vazquez (ASCE)
Tuesday April 16, 2013 Dinner	OSU/OU Student Chapter & President Elect	OSU / OU / ASCE	Ohio University	Bob Redfield / Dr. Carolyn Merry
Wednesday April 17, 2013 Lunch	ASCE National President Elect - Randy Over	OSU / OU / ASCE	The Ohio State University	Bob Redfield / Dr. Carolyn Merry
Thursday May 16, 2013 Lunch	Engineers Without Borders (EWB) / Awards	ASCE	TBD	Coordinator: Dave Pritchard - Awards: Kevin Carpenter
T.B.D. June, 2013 Dinner	2013-2014 Planning Meeting	ASCE	Tommy's Pizza, Dublin, Ohio	Mark Siedelmann (ASCE)
Friday June 21, 2013 Lunch/Dinner	Annual Golf Outing	ASCE	Darby Creek Golf Club	Jim Pajk (ASCE)

ASCE news ONLINE PUBLICATION



As a reminder, ASCE News - The Newspaper for Members of the American Society of Civil Engineers, is published in a digital format only, part of ASCE's commitment to sustainability and fiscal responsibility.

The digital edition is "published" and made available for viewing and download by ASCE members each mid-month at the following link: <http://www.asce.org/ascenews/>.

By discontinuing the newspaper's print edition, ASCE furthered its commitment to sustainable publishing, reduces printing and mailing costs, and continues to advance its electronic publishing efforts.

KEEP UP TO DATE

Join Our E-Mail List!
Stay up to date with current news - go to <http://centralohioasce.com/e-mail>.
Web: www.centralohioasce.com
E-Mail: asce@centralohioasce.com

BOARD MEETING

*Our Next Board Meeting
Will Be January 31, 2013.
11:30 A.M.
Location: EDG, Inc.*

EMPLOYMENT OPPORTUNITIES

As a service to our members and colleagues who may be seeking employment opportunities, we have provided links directly to *Human Resources* or *Careers* pages on the company website below. Please click any of the company logos to visit the site. We thank the companies below for their support of the Central Ohio Section of ASCE.

The ASCE National website also provides employment assistance with hundreds of job

postings and additional resources. Please click the image to the right to visit the webpage.



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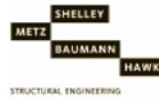


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