

ASCE Newsletter

Central Ohio Section

April, 2013
Volume 17, Issue 8

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P R E S I D E N T E L E C T P R E S E N T A T I O N S

DATE: Ohio University (OU) - Tuesday, April 16, 2013 - 5:30 PM Registration, 6:00 Dinner
Ohio State University (OSU) - Wednesday April 17, 2013 - 11:30 AM Registration, 12:00 PM Lunch



LOCATION: OU - Academic and Research Center Atrium, Oxbow Trail, Athens, OH
OSU - Fawcett Center Alumni Lounge, 2400 Olentangy River Rd

SPEAKER: **Randy Over, PE, F.ASCE - President-Elect, American Society of Civil Engineers & ODOT District 12 Construction Engineer**

TOPIC: **Becoming the Engineering Leader of Tomorrow**
Vision 2025 inspires us to create a sustainable world and enhance the global quality of life. Learn about ASCE's sustainability program, raising the bar, and advocating for infrastructure renewal. Find out how you can make a difference.

MENU: **OU** - Italian buffet with Olive Garden salad, three different pastas: penne, spaghetti and spinach fettuccine, three sauces: meat, marinara, and Alfredo, zucchini circles, Italian bread, and Italian cream cake. Beverages will include lemonade, iced tea, and water.

OSU - Box lunches: California Club Chicken wrap and Roast Beef with Cheddar

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: **OU - 1)** RSVP through payment sent to the OU Chapter advisor at Deb McAvoy, Civil Engineering, Stocker Center 1181 Ohio University, Athens, OH 45701-2979
-OR - 2) Pay at the door and RSVP via email to Erica Toussant at et644809@ohio.edu

REGISTER: **OSU - Registration is due by 5:00 PM on Mon., April 15.** Late registrations and walk-ins may not be accepted. Registration fees may apply for no-shows and registrants canceling after the registration deadline of April 15. To register contact Michael Navabi: 614-839-0250, or register@centralohioasce.com

PAYMENT: **OU** - Pay at the door or by sending check as shown in Registration Section.
OSU - 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,

report can be used by section members upon request.

The section is continuing our program to help our members earn PDH's for free. Companies can volunteer to host an ASCE webinar at their office and allow section members to attend. The section will cover the costs of the webinar and will handle coordination of attendees. Keep an eye out for these events and let us know if your company would be willing to host a webinar. Typical attendance is 15-20 people.

The Section is seeking nominations for the "Outstanding Civil Engineer of Central Ohio" and "Outstanding Section Member of ASCE Central Ohio". Please find more information in this newsletter or on our website.

Did you know that ASCE hosts a national Engineering salary survey in coordination with ASME? If you have never participated, I would highly encourage it. It is completely anonymous and participating once a year helps keep the data current. Here is a link to the website: [ASCE Salary Survey](#).

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](#).

After completing the survey, salary information for you geographical area and career level are provided for free. The Central Ohio Section has access to the complete 2012 salary survey report. This

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 [HERE](#).

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

2013-2014 ELECTIONS

BALLOTS FOR 2013-2014 OFFICERS

Position	Nominated Candidate	Write-In Candidate
President	<input type="checkbox"/> Michael Navabi, P.E.	<input type="checkbox"/> _____
1st Vice President	<input type="checkbox"/> Mark Seidelmann, P.E.	<input type="checkbox"/> _____
2nd Vice President	<input type="checkbox"/> A.J. Smith, P.E.	<input type="checkbox"/> _____
Treasurer	<input type="checkbox"/> Carlos Vazquez, P.E.	<input type="checkbox"/> _____
Secretary	<input type="checkbox"/> Chris Nye, P.E.	<input type="checkbox"/> _____
Member-at-Large	<input type="checkbox"/> Brooks Vogel, P.E.	<input type="checkbox"/> _____

OHIO COUNCIL OF LOCAL SECTION DELEGATES (Pick up to 8 of 9)

<input type="checkbox"/> Peter Narsavage, P.E.	<input type="checkbox"/> James Pajk, P.E.
<input type="checkbox"/> Gregory Barden, P.E.	<input type="checkbox"/> Bethany Meek, P.E.
<input type="checkbox"/> Carolyn Merry, PhD.	<input type="checkbox"/> Michael Mazzoli
<input type="checkbox"/> Robert Redfield	<input type="checkbox"/> _____ (write-in)
	<input type="checkbox"/> _____ (write-in)

NOMINATION FOR OUTSTANDING CIVIL ENGINEER OF CENTRAL OHIO

_____ (Please nominate an engineer.)

NOMINATION FOR OUTSTANDING ASCE CENTRAL OHIO SECTION MEMBER

_____ (Please nominate a section member.)

TWO WAYS TO VOTE. PLEASE VOTE BY APRIL 19, 2013.

- ASCE members who have paid their section dues should receive an email with a link for online voting. If you do not receive the email invitation, send a request to asce@centralohioasce.com and we will send you one.
- Send hard-copy ballot to: Michael Mazzoli, Professional Service Industries, Inc. (PSI), 4960 Vulcan Avenue, Columbus, OH 43228

2013 ASCE NATIONAL INFRASTRUCTURE REPORT CARD

2013 REPORT CARD FOR AMERICA'S INFRASTRUCTURE

In a much anticipated release, ASCE's 2013 Report Card for America's Infrastructure gave the nation's infrastructure an overall grade of D+, showing slight progress from the D in the last Report Card issued in 2009. It's the first time since ASCE started producing Report Cards in 1998 that the grades rose overall and in several sectors.

Released Tuesday, March 19, in Washington, D.C., the report provides our nation's political leaders, policymakers, business leaders, infrastructure stakeholders, the media, and the general public with expert advice from the civil engineering community about the condition of infrastructure across the nation.

"As civil engineers, ASCE believes that we are the stewards of infrastructure—we designed it, we built it, and we actually oversee the operations and maintenance of it in many cases," notes ASCE President Gregory E. DiLoreto, P.E., F.ASCE. "So as stewards, we have a responsibility with the Report Card to call attention to the state of the nation's infrastructure. We as Americans need to be proactive in monitoring and taking care of our infrastructure so that it will be here not only for us, but for our children and our grandchildren."

Individual grades were given in the categories of aviation, bridges, dams, drinking water, energy, hazardous waste, inland waterways, levees, ports, public parks and recreation, rail, roads, schools, solid waste, transit, and wastewater. Final grades were assigned based on capacity to meet future demand, condition, funding, future needs, operation and maintenance, public safety, resilience, and innovation.

The Report Card concludes that to raise the grades and get our infrastructure at an acceptable level, a total investment of \$3.6 trillion is needed by 2020 across the entire 16 sectors. Currently, only about \$2 trillion in infrastructure spending is projected, leaving an estimated shortfall of approximately \$1.6 trillion.

ASCE's 2013 Report Card for America's Infrastructure is now available online at <http://www.infrastructurereportcard.org/>. It is also available as a free app for smartphones and tablets for downloading via the iTunes App and Google Play stores - search "American Society of Civil Engineers."

State of Ohio specific information can also be found on the website by clicking [HERE](#).

In 2009, the Ohio Council of Local ASCE Sections published the first comprehensive Ohio Infrastructure Report Card, which may be found [HERE](#).

AMERICA'S INFRASTRUCTURE G.P.A. D+

Each category was evaluated on the basis of capacity, condition, funding, future need, operation and maintenance, public safety and resilience.

AVIATION	D	PORTS	C
BRIDGES	C+	PUBLIC PARKS AND RECREATION	C-
DAMS	D	RAIL	C+
DRINKING WATER	D	ROADS	D
ENERGY	D+	SCHOOLS	D
HAZARDOUS WASTE	D	SOLID WASTE	B-
INLAND WATERWAYS	D-	TRANSIT	D
LEVEES	D-	WASTEWATER	D

METHODOLOGY >

A = Exceptional
B = Good
C = Mediocre
D = Poor
F = Failing

ESTIMATED INVESTMENT NEEDED BY 2020:

\$ 3.6 TRILLION

LEARN MORE >

A W A R D N O M I N A T I O N S

In preparation for the upcoming awards season, we are seeking nominations for the categories described below.

OUTSTANDING CENTRAL OHIO SECTION MEMBER

Presented by the Central Ohio Section, this award is presented annually to an outstanding member of the Central Ohio Section. For a list of past winners, click [HERE](#). To nominate an individual, please contact any board member or email asce@centralohioasce.com. A list of nominees will be included in the award ballot in March.

General Requirements:

1. Member of Central Ohio Section in good standing.
2. Has made a significant contribution to the Section through participation in the activities of the Section.
3. Promotes a good image of the Section and its members through their participation and example.



OUTSTANDING CIVIL ENGINEER OF CENTRAL OHIO

Presented by the Central Ohio Section, this award is presented annually to an outstanding civil engineer who doesn't have to be an ASCE member. For a list of past winners, click [HERE](#). To nominate an individual, please contact any board member or email asce@centralohioasce.com. A list of nominees will be included in the award ballot in March.

General Requirements:

1. Practices or teaches civil engineering in Central Ohio.
2. Must have made a significant contribution to civil engineering profession during the last year.
3. One who exemplifies the public image and perception of the civil engineer and its profession.

2013 OHIO OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT AWARD

Presented by the Ohio Council of ASCE Sections, this award is given annually to a Civil Engineering project, not an individual or firm, to recognize the contribution of the many engineers who have worked on the project. The award is part of the [ASCE National OCEA Program](#).

Selection is based on how the project demonstrates the application of civil engineering skills and its contribution to civil engineering progress and mankind. The project's potential adverse effects will be considered. Entries should look frankly at the project's problems, technical and otherwise. Judges will consider the following criteria:

1. Contribution to the well-being of people and communities,
2. Resourcefulness in planning and in the solution of design problems,
3. Pioneering use of materials and methods,
4. Innovations in construction, and
5. Impact on the physical environment, unusual aspects, and aesthetic values.

Additional eligibility requirements, submittal guidelines, and deadlines may be found soon on the Ohio Section website at <http://www.ohioasce.org/OOCEA>. Deadline for nominations is 5:00 PM, Friday, April 5, 2013.

A S C E L E G I S L A T I V E F L Y - I N

From March 19-20, 2013, ASCE National hosted the 13th Annual Legislative Fly-In in Washington, D.C. It marked the first time in the history of the event that representatives from all 50 states were present. Attendees were briefed on upcoming legislation in the House and Senate that are important to improving infrastructure, as shown in the Report Card.



Members of Congress were asked to support passage of the Water Resources Development Act (WRDA), making it's way through the Senate, which includes creating a National Levee Safety Program, re-authorizing the National Dam Safety

Program, increasing revenues for the Inland Waterways Trust Fund, and restoring trust in the Harbor Maintenance Trust Fund.

ASCE representatives also urged Congress to identify a long term solution for funding the Highway Trust Fund, and work on a long-term re-authorization of the Surface Transportation Bill when the current MAP-21 bill expires in September, 2014.

A contingent of Ohio representatives, including Central Ohio Section Members David Pritchard, Jim Pajk, and Brooks Vogel, met with the offices of Senators Brown and Portman and Central Ohio Representatives Tiberi, Beatty, and Stivers to urge their support of these critical issues.

17th ANNUAL GOLF OUTING

With spring in full swing that means Golf Season is upon us. Don't forget to mark your calendars and sign up for the 17th annual ASCE Central Ohio Section Golf Outing to be held June 21st, 11:00a.m. at Darby Creek Golf Course. The format is the ever popular 2 person mixed format. For a low entry fee of \$70 you get greens fees, cart, driving range, drink tickets, lunch, steak and chicken dinner, beverages, tons of hole and place prizes and lots of "those" pies at the end.



hole sponsor for \$100 or a lunch/dinner/beverage cart sponsor for \$250 which includes hole recognition as well.

This outing has raised almost \$28,000 over the years to support the Younger Member Group (our annual chefs at the outing), Civil Engineering Career Day and numerous other programs. This is made possible with the generous sponsorships from many Central Ohio firms and businesses. Please consider being a

For any questions in regards to sponsorship and/or registering to play, please contact Jim Pajk at 614-525-3021 or email at jpajk@franklincountyengineer.org. Go to the ASCE Central Ohio website, www.centralohioasce.org, to download a flyer.

FREE WEBINAR - CONCRETE DETERIORATION & REPAIR

What: Free Continuing Education Webinar - 1.5 PDH

When: Monday, May 6, 2013
11:30 AM - 1:00 PM
Bring your own lunch

Where: Korda/Nemeth Engineering
1650 Watermark Drive, Suite 200
Columbus, OH 43215

Topic: **Deterioration and Repair of Concrete**

RSVP: To newsletter@centralohioasce.com by Friday, May 3, 2013.

*Open only to Central Ohio Section Members.

*Seating is limited to the first 25 people.

Concrete has been called a durable but not eternal material. Despite its longevity, it eventually deteriorates and requires repair or replacement. This webinar focuses on repairing deteriorated concrete and restoring its structural capacity. (A related topic on strengthening concrete buildings in sound condition is addressed in a separate presentation.) The webinar provides a succinct overview of the issues involved in repair of concrete structures, with a focus on practical solutions useful for a design engineer.

Webinar Outline

- Why and when to repair concrete structures
- Types and causes of concrete deterioration



- Identify and repair concrete cracks
- Corrosion of reinforcement
- Patching
 - When to use patching and when not to
 - Using proper construction techniques for concrete removal and preparation
 - To coat the rebars or not?
 - The pros and cons of using bonding agents
 - Making large patches
- Dealing with column deterioration
- Concrete repair materials available today
- Avoiding failures of concrete repairs
- Restoring concrete damage caused by lateral loads

Learning Outcomes/Benefits

- Discover contemporary methods of repairing concrete structures
- Learn to properly identify and repair concrete cracks
- Discuss practical methods of patching concrete and when patching should be avoided
- Learn how corrosion degrades concrete and how to deal with its effects
- Study the concrete repair materials available today

2012 - 2013 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Group(s)	Location	Coordinator
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 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
Structural-Condition Assessment of Existing Structures	April 18 - 19, 2013	Chicago, IL
HEC-HMS Computer Workshop	May 9 - 10, 2013	Milwaukee, WI
Pumping Systems Design for Civil Engineers	May 30 - 31, 2013	Cincinnati, OH
Load Rating of Highway Bridges	June 6 - 7, 2013	Minneapolis, MN
Structural-Vibration Analysis: Design and Troubleshooting	June 12 - 14, 2013	Chicago, IL
Introduction to Tunnel Design and Construction	June 19 - 21, 2013	Chicago, IL
Bridge Rehabilitation	July 18 - 19, 2013	Chicago, IL
Project Management	September 12 - 13, 2013	Chicago, IL
Seismic Loads for Buildings and Other Structures	September 19 - 20, 2013	St. Louis, MO
Progressive Collapse Mitigation: Practical Analysis Methods and Proven Solutions	September 26 - 27, 2013	Chicago, IL

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 May 2, 2013.
 11:30 A.M.
 Location: T.B.D.*

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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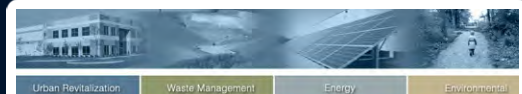
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