

March, 2015
Volume 19, Issue 7

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MARCH LUNCHEON

DATE: Thurs. March 26, 2015
11:30 AM Registration
12:00 P.M. Lunch & Presentation

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

TOPIC: Case Study: Dublin Bridge Park Development

Schaefer is providing structural engineering and parking consulting services for the first phase of this \$300 million mixed-use development. Phase 1A consists of 370 apartment units, 140,000 sq ft of office space, 120,000 sq ft of retail and restaurants, and a 190-room hotel with conference center.

Two six-story free-standing parking structures will park 900 vehicles in 291,000 sq ft each; a third similarly-sized garage is in the planning stages. The Schaefer team is developing the garages' functional layouts including entrances and exits, circulation and parking stall layout.

Construction materials for the project's structures include post-tensioned concrete for the parking garages, structural steel for the free-standing office buildings, and one- and two-story post-tensioned concrete podiums supporting three- to five-story wood-framed residential buildings above.

The presentation will cover project challenges that included roadways on the podiums, a sloping site with rock, multiple construction types and materials, and detailing for wood shrinkage, concrete movement, and brick support. Non-technical challenges included the project delivery method, zoning requirements, budget, and schedule.



SPEAKER: David Schoeff, PE, Schaefer David served as the Project Manager for the Bridge Park project. He managed the Schaefer team's work efforts and was the primary point of contact with the ownership, CM, and design teams.

MENU: Choice of Slow Roasted Chicken Breast, Roasted Pork Loin, or Vegetarian entrees.

CPD: A certificate for one 1 CPD hour will be issued.

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

REGISTER: Registration is due by 5:00 PM on Friday, March 20, 2015. Late registrations and walk-ins may not be accepted. Registration fees may apply for no-shows and registrants canceling after the deadline. Contact Carlos Vazquez at 614-634-7132, or register@centralohioasce.com to register.

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:

It's hard to believe that we only have three presentations left this year. We have had good turn out to all our events, and I appreciate your continued involvement. Coming up this spring we are continuing to have free webinars for members, and we are working with the younger members group to have several social events with other engineering societies here in town. Coming up in June we are having our annual planning meeting to map out luncheons and events for the 2015 – 16 year. We really appreciate any input that the membership

can provide to ensure that we are providing topics and events that are of benefit to the society. Without input we assume that we are doing a great job! If you are unable to participate in the June planning meeting and have input to provide, feel free to reach out to AJ Smith to ensure that your ideas are discussed with the group.

Sincerely,

Mark Seidelmann, PE, GISP, M.ASCE
President – ASCE Central Ohio Section
president@centralohioasce.com

CENTRAL OHIO SECTION AWARDS

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. 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.

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.



BLUE JACKETS HOCKEY GAME

What: Blue Jackets vs. New Jersey Devils

When: Tues., March 31, 2015

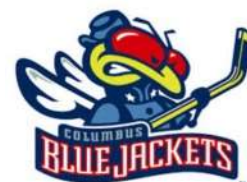
Where: Nationwide Arena

Cost: \$10 members, \$15 guests

The Central Ohio Section of ASCE is again partnering with the Central Ohio Section of ASHE on a Blue Jackets hockey game. We have a group package of tickets to the Blue Jackets-Devils game. Tickets are \$10 per member and \$15

per non-ASCE guest. We're accepting pre-payment using Paypal (click [HERE](#)). As these tickets usually sell for \$50 face value, it's a great deal!

Please contact Matt Baxendell at Matt.Baxendell@woolpert.com for more info or any questions.



CIVIL ENGINEERING 22nd BEST JOB

Civil Engineering placed 22nd in the U.S. News & World Report Money rankings of the 100 best jobs in America. The profession placed #7 in Best Technology Jobs, #10 in Best STEM Jobs, and #17 in Best Paying Jobs.



Overall Score ★★★★★
(3.5 out of 5)

Number of Jobs
53,700

Median Salary
\$90,770

Unemployment Rate
3.4 percent

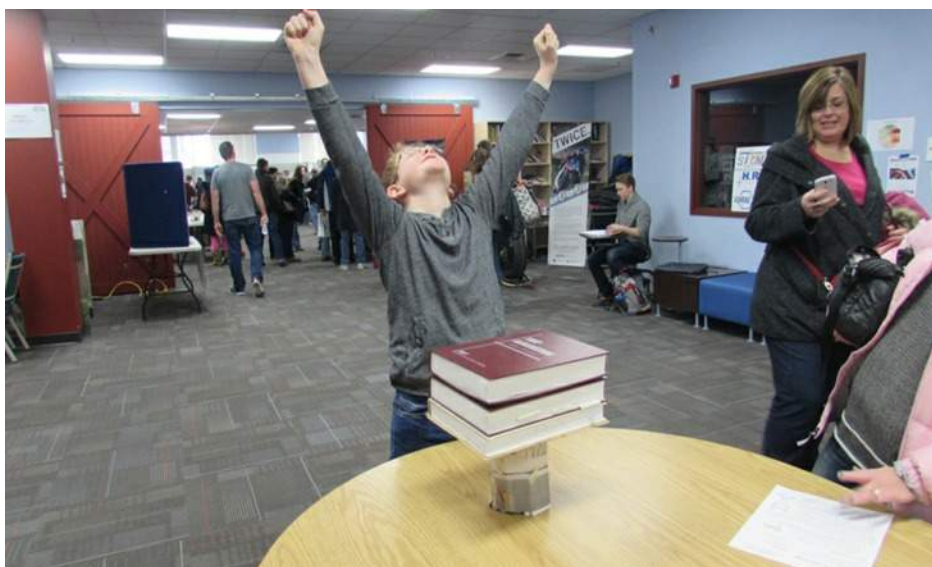
The number of jobs and future job growth were major factors in the high ranking. The unemployment rate in the profession is 3.4 percent, and nearly 54,000 jobs are expected to open up thru year 2022, a nearly 20% increase.

Click [HERE](#) for the full story.



STEM EXPO ANOTHER SUCCESS

The ASCE Central Ohio Section hosted the 2nd annual Central Ohio STEM Expo at the Metro Early College High School on February 28, 2015. A total of 367 students in grades Kindergarten through 8th grade were on hand to explore the world of Science, Technology, Engineering, and Math through interactive activities and demonstrations. Students and parents were also able to tour Ohio State's Center for Automotive Research. The first 100 students received activity bags provided by HR Gray.



The STEM Expo is a free educational outreach event aimed to excite young students about STEM related careers by fostering creativity and innovative thinking through the hands-on activities. The event again served as a conclusion to National Engineer's Week. The Central Ohio Section would like to thank our corporate sponsors and all of the volunteers who helped. The event was

advertised through Columbus area-wide elementary and middle schools, where information was shared through classroom and upper grade level science teachers as well as electronic media outlets. The cost for the venue was covered through the State Public Affairs Grant program, while all activities and exhibits were provided on a volunteer basis.

Corporate Sponsors:

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STEM Expo Planning Committee: Michael Romanello (Chair)

Carlos Vazquez

Dave Pritchard

Keith Knuppel

Matt Baxendell

Matt Marquis

Zach Stolarsky

Patrick Karnes

Brian Ditzler

Bob Redfield.



STEM EXPO ANOTHER SUCCESS



The Younger Member Group would like to thank the following activity sponsors and exhibitors for volunteering time and materials and making this event so successful:



Activities & Exhibits	Sponsored By
Paper Table Challenge	Carpenter Marty Transportation
Science Friction	DLZ
Marble Roller Coaster	ms consultants, inc
Oobleck: A Non-Newtonian Fluid	ms consultants, inc.
Paper Chromatography	ms consultants, inc.
Turtle Research Station	Columbus Zoo & Aquarium
Arch Bridge Demonstration	American Society of Civil Engineers, Central Ohio Section
Magnetic Phenomenon	American Society of Civil Engineers, Central Ohio Section
Gumdrop-Toothpick Bridge and Building	Parsons Brinkerhoff
Dixie Cup Columns	HR Gray
Pencil Lift	HR Gray
Inertia and Capillary Effect	S&ME, Inc.
Foam Plane Glider	OSU Center for Aviation
Block Kids	National Association for Women in Construction
X-Box	Schaefer, Inc. and Structural Engineers Association of Ohio
Puff-Mobile	ASCE Central Ohio Section Younger Member Group
K'Nex Bridge	Assoc. For Bridge Construction and Design, Central OH Section
Clay Boat Competition	Society of Women Engineers, OSU Student Chapter
Stormwater: Reducing Runoff	Franklin Soil and Water Conservation District
The Lathe, the Machine that Makes Itself	Shocking Discoveries
Buckeye Current Electric Motorcycle	Ohio State Center for Automotive Research Student Team
Edible Car Races	Honda
Feel the Heat / Soap Boats	American Society of Heating, Refrigerating, & AC Engineers
Leave it to the Levers	American Society of Heating, Refrigerating, & AC Engineers
Metro School Future City Exhibit	Ohio Region Future City Competition
Building with Linker Logs & PVC Pipes	Ohio Technology and Engineering Educators Association
Hands-On STEM Activities	STEM is Elementary
Explore Nanotechnology with Kinetic Sand	Grandview Heights Public Library
Bright Ideas	Korda Engineering, Inc.
Are You Smarter than an MIT Graduate	Inventure Science Lab
Energy is Everywhere	BRICKS 4 KIDZ
MOOV Scooter	The Knowing Place

FREE WEBINAR - FOUNDATIONS

What: Free Webinar - 1.5 PDH

When: Mon. March 30, 2015
12:00 PM - 1:30 PM

Where: E.L. Robinson Engineering
1801 Watermark Drive, Ste 310
Columbus, OH 43215

Topic: Dynamically Loaded Machine and Equipment Foundations - A Design Primer

RSVP: To newsletter@centralohioasce.com by Friday, March 27, 2015.

*Open only to Central Ohio ASCE Section Members.

*Seating is limited to the first 25 people.

Machinery and equipment typically found in industrial and process facilities often exert dynamic loads on their foundations. Designing these foundations is quite complicated, much more so than the design of the foundations that support buildings and statically loaded equipment. This topic is rarely, if ever, included in the engineering college curricula, and the engineers are left to learn on the job. Yet the stakes are high: The failure of an incorrectly designed machine foundation can lead to damaged equipment and to expensive downtime. This webinar provides a practical introduction to the complex issues of designing dynamically loaded machine and equipment foundations.

Purpose and Background

Many engineering firms that specialize in the design of industrial facilities and heavy-equipment foundations have developed a wealth of in-house design standards, but this information is not available to others. As a result, and because of the design complexity involving dynamic analysis and specialized software, some engineers have resorted to simplistic rules-of-thumb without understanding the limitations of such shortcuts.

The structural engineers who design foundations for heavy machinery generally need input of multiple parties. Among them are the equipment manufacturers who provide the dynamic properties of their products and the geotechnical consultants who provide the soil parameters needed for the analysis of soil behavior under dynamic loading. The presentation describes how their data fits into the overall foundation design. The audience is encouraged to ask questions throughout the webinar, which concludes with the final Questions and Answers opportunity.



Primary Topics of Discussion

- Differences between the foundations for statically and dynamically loaded equipment
- Design data from the equipment manufacturer
- Available design procedures
- When making simplified assumptions is appropriate
- The presentation includes a number of short calculations that illustrate various facets of the design.

Learning Outcomes

- Understanding of the differences between foundations for statically and dynamically loaded equipment
- Greater Comprehension of foundation systems for supporting dynamically loaded machinery and equipment
- Familiarization with design procedures for machine and equipment foundations subjected to dynamical loading

Webinar Benefits

- Explore the contemporary machine-foundation systems
- Discover the available methods of designing foundations for dynamically loaded equipment
- Find out when simplified design assumptions are adequate and when sophisticated software must be used
- Find out how isolation systems can minimize the response to dynamic loading
- Use an opportunity to ask the instructor questions

Webinar Outline

- Introduction
- Foundation types for dynamically loaded machines and equipment
- Design criteria and methods
- Some practical tips for design and construction
- Conclusion, final Q and A

The Central Ohio Section sponsors free continuing education webinars as a service to our members. These webinars are produced by ASCE and normally cost \$250 or \$300 for ASCE members. However, the Section is paying the registration fee and inviting any interested section members to attend for free. You can see [the complete list of webinars available from ASCE National on their website](#). If you see one you like, let us know. If you and your company would like to host one, let us know that too. If you open it up to any interested Central Ohio ASCE section members to come, we will pay the registration fee.

FACES OF ENGINEERING

This year's nominees for the [DiscoverE New Faces of Engineering Professional and College Edition](#), including 7 ASCE members, were also announced during an Engineers Week web event on February 19. The highly coveted New Faces honor is recognized as a top achievement for young engineers by their peers in the engineering community.

Katie Burns, S.M.ASCE is a student attending the University of Toledo with a major in civil engineering and a minor in business administration. Her experience with Engineers

Without Borders-USA has also afforded her the opportunity to gain a global perspective of the challenges facing engineers. She is one of four college students being nominated.

In early April, the DiscoverE Steering Committee will select 2 of these nominees as members of the 2015 class of New Faces of Engineering.



FREE WEBINAR - RECYCLED BASE AGGREGATES

What: Free Webinar - 1.0 PDH

When: Wed., April 15, 2015
12:00 PM - 1:00 PM

Where: Dynotec
2931 E Dublin Granville Rd
Columbus, OH 43231

Topic: Recycled Base Aggregates in Pavement Applications

RSVP: To newsletter@centralohioasce.com by Friday, April 10, 2015.

*Open only to Central Ohio ASCE Section Members.

*Seating is limited to the first 25 people.



Purpose and Background

Sustainability has become an important element of civil engineering, yet there is confusion about how sustainability applies to different disciplines within civil engineering. Engineers involved with transportation and geotechnical construction need to know how the materials and methods they use affect the engineering life cycle and related sustainability of their projects. Recycled materials can be used to create longer lasting infrastructure that requires less energy to construct and maintain and has a lower carbon footprint. Both public and private stakeholders, clients and owners are increasingly considering these green construction principles in the design and construction of their projects. Recycled aggregates such as RAP, RCA, RPM, RSG and BDC are used in pavement construction to enhance performance, save construction costs, and improve sustainability. Blending recycled aggregates with cementitious stabilizers like coal fly ash, lime dust or cement kiln dust can further enhance sustainability, economics and long-term performance of the pavement.

Learning Outcomes

Participants will learn about the different types of recycled aggregates typically available for pavement construction, their characteristics, their design properties, and how to specify recycled aggregates in pavement applications.

Webinar Benefits

- Learn new developments in using recycled aggregates
- Learn the latest information on how to improve long-term performance and reduce construction costs with recycled
- Gain a competitive advantage by having the latest design information for recycled aggregates
- Learn design methods for pavements with recycled aggregates with and without cementitious stabilization
- Learn how to specify recycled aggregates
- Learn about how to assess environmental impacts from recycled aggregates used with and without fly ash
- Improve your practice by incorporating design information that enhances sustainability

Webinar Outline

- Introduction to recycled aggregates: recycled asphalt pavement (RAP), recycled concrete aggregate (RCA), recycled road surface gravel (RSG), recycled pavement material (RPM) and building derived concrete (BDC)
- Types and attributes of RAP, RCA, RSG, RPM and BDC
- Design with resilient modulus and plastic strain
- Effect of impurities and freeze-thaw
- Fly ash stabilized recycled base aggregates: geotechnical properties and leaching characteristics
- Specifying recycled base aggregate

OHIO CONSTRUCTION CONFERENCE



What: Ohio Construction Conference

When: Thursday, March 19, 2014

Where: The Ohio Union - 1739 North High St.

Costs: \$160-\$255

The Central Ohio Section of ASCE is pleased to support the 2015 Ohio Construction Conference set for Thursday, March 19 from 7 a.m. to 5 p.m. at The Ohio Union on the The Ohio State University campus.

With 300 industry leaders expected to attend, the Conference is the largest professional education event in the Midwest. Gathering owners, facility managers, design professionals, contractors and suppliers, the OCC

encourages the exchange of information about regional and national initiatives, as well as best business practices.

The one day conference features a variety of general and breakout sessions led by local owners, contractors, and design professionals. To wrap up the day, Conference participants will sit with owners and design professionals at small roundtables to discuss challenges facing the industry.

Cost to attend the Conference is \$255 for the entire day's programming, meals and refreshments. If you can't commit to the entire day, consider a half-day registration for \$160 per person. Firms may also take advantage of a bulk discount for multiple registrations and get 3 full-day registrations for \$550! All registrations are non-refundable but may be transferred to another employee at the firm.

For more information or to register, visit www.bx.org or contact Deb Murphy at the Exchange, 614-486-9521, ext. 215 or by email at dmurphy@bx.org. For additional information, click [HERE](#).

OSU STUDENT CHAPTER SERVICE TRIP



The American Society of Civil Engineers Student Chapter at The Ohio State University thanks the Central Ohio Section for your support of our recent trip to Immokalee, FL to serve Habitat for Humanity. While we were there, we participated in the building of a new house, renovation of an old house and general clean up of the community. We got hands on experience and were able to see our class work in civil engineering

in action in building the new house. Our members got to experience new tools and techniques while on the job site. In our renovation project we got to experience the joys of blisters after we finished removing floor tile. This service trip was so much more than serving though, we got to learn about the community and have conversations with the people down and they taught us so much more than just how to properly use a nail gun. Every single one of us came away with a new appreciation for the opportunities that we have been given, and we hope to continue our service with Habitat for Humanity here in Columbus. Present on the trip were: Domenic Caporale, Jaden Horner, Michelle Horner, Sarah Mohr, Sabine Loos, Olivia Pina, Kevin Rominger, Russ Stech (Advisor), Danny Soroka, and Jimmy Tannoury.

Thanks again,
OSU ASCE

CADD CLASS VOLUNTEERS



Starting again in 2015 the ASCE Younger Member Group (YMG) will be presenting instructional Autodesk Civil3D Computer Aided Design (CAD) seminars on the campus of the Ohio State University. The seminars will introduce the students to drafting software and provide an introductory level of instruction to familiarize students with the skills necessary of a typical entry-level engineering position. The YMG is seeking volunteers from the Central Ohio Section to supplement our teaching group. This is also a great way to see prospective interns in action learning valuable job skills. Please contact Matt Baxendell (Matt.Baxendell@woolpert.com) if you're interested in taking part.

CIVIL ENGINEERING REFERENCE BOOKS

Late last year, the Central Ohio Section bought a number of civil engineering reference books and donated them to the Columbus Main Library for public use. The titles are as follows:

- Minimum Design Loads (7-10)
- Design of Marine Facilities for Berthing, Mooring
- FRP Composite Connections
- Foundation Engineering Handbook
- Trenchless Technology Piping



- Civil Engineer's Handbook of Professional Practice
- Building Code Requirements and Specification for Masonry Structures (5-11 & 6-11)
- Urban Stormwater Controls
- Municipal Wastewater Plants
- Structural Steel Designer's Handbook

The books are for reference and can't be checked out. They are located on the 3rd floor in a special collection area of the main library (north side of building in the half-height stacks).

INPUT: DELAYED OR CANCELED PROJECTS

As you can likely tell, the Congressional debate is beginning to take shape regarding the need to avert another Highway Trust Fund crisis and reauthorize the surface transportation program (MAP-21) before the May 31, 2015 legislative deadline. ASCE would like to keep Congress informed about the impact short-term funding extensions and inadequate revenues are having on the ability of our members to plan and deliver highway & transit projects. If

you have specific real-world examples of recent projects that have been delayed or canceled due to the uncertainty present in the federal program, please share them via the govwash@asce.org email address. ASCE describes the troubling dynamics associated with short-term federal funding extensions quite often but are always looking for specific examples to help educate Members of Congress on this issue.

2014 - 2015 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Group(s)	Location	Coordinator
Thursday March 26, 2015 Lunch	Bridge Park Development	ASCE/ SEAoO	Villa Milano	Matt Inkrott
Wednesday April 22, 2015 Dinner	OU/OSU Student Chapter Presentations & Portsmouth Bypass	ASCE	Old Canal Smokehouse - Chillicothe, OH	Tony Klimek - Lower Scioto Valley Chapter
Wednesday May 13, 2015 All Day	ASCE Spring Seminar - Roundabout Design and Construction	ASCE	Crowne Plaza Dublin	Chris Nye
Thursday May 21, 2015 Lunch	ASCE Region 3 Director & Awards Luncheon	ASCE	Schmidt's Sausage Haus	Carlos Vazquez
June, 2015	2015-2016 Planning Meeting	All	Tommy's Pizza - Dublin, OH	A.J. Smith
Friday June 12, 2015 Lunch & Dinner	Annual Golf Outing	ASCE	Darby Creek Golf Club	Jim Pajk

DREAM BIG! IMAX MOVIE



It's official! Brought to you by ASCE, production has begun on "Dream Big!" a celebration of

the way the audience will witness how today's engineers are shaping the world of tomorrow.

"Dream Big!" will have its world premiere in 2016. Although a lot of great plans are in the works, your ideas can help make the experience even more amazing. What should be featured in "Dream Big!"?

Share and submit your inspirations via the [THIS LINK](#), especially in these three areas:

- A civil engineering project that could be featured as a main storyline for the film. A project that is unique, revolutionary and filled with innovations and one that connects with other areas of engineering.
- A charismatic, pioneering engineer involved in a compelling project that could be featured as a main character in the film.
- A captivating, unforgettable engineering image or sequence that would be mind-blowing on an IMAX 3D screen.

Watch for more about production of "Dream Big!" in the coming months. See more [HERE](#).

engineering that will leave viewers breathless by taking them above, below, around, and through some of engineers' most impressive achievements, all in stunning lifelike clarity on eight-story-tall IMAX® and other giant screens.

All around the world, engineers are pushing the limits of ingenuity and innovation in unexpected, imaginative and amazing ways. Dream Big will take viewers on a journey of discovery from the world's tallest building to a bridge higher than the clouds and a tunnel deep below the earth. Along

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Web: www.centralohioasce.com

E-Mail: asce@centralohioasce.com

BOARD MEETING

Our Next Board Meeting

Will Be 11:30 AM

April 2, 2015

Location: Stantec

1500 Lake Shore Drive, Suite 100
Columbus OH 43204

OHIO VALLEY STUDENT CONFERENCE

What: 2015 Ohio Valley Student Conference
When: March 26-28, 2015
Where: Cincinnati, OH & Lawrenceburg, IN



The University of Cincinnati and Cincinnati State student chapters of the American Society of Civil Engineers (ASCE) are proud to host the 2015 Ohio Valley Student Conference from March 26 - 28, 2015 in Cincinnati, Ohio. The Ohio Valley Student Conference is a regional conference of ASCE student chapters from the Ohio Valley area to get together to meet the other local chapters and put their engineering skills to the test with some friendly competition. It will consist of 9 competitions: Steel Bridge, Concrete Canoe, AutoCAD, Balsa Wood Bridge, Civil Site Design, Environmental, Surveying, Geotechnical, Technical Paper, Concrete Bat, and Concrete Horseshoe. The most developed of these competitions are the Steel Bridge and Concrete Canoe competitions; the best teams for these competitions from the OVSC will move on to their respective national competitions. Good luck to the Ohio State University and Ohio University student chapters in the conference events!



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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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2015 Seminar
Crowne Plaza - Dublin
600 Metro Place North
Dublin, OH 43017
(Map enclosed)

Wednesday, May 13, 2015
8:00 AM to 5:00 PM

**Earn 7.0
PDHs!**

Modern Roundabout Design and Construction

MODERN ROUNDABOUT DESIGN AND CONSTRUCTION SEMINAR

Various Speakers from:
 Franklin County, City of Dublin,
 Consultants, Contractors

Modern roundabouts have gained popularity in Central Ohio over the past 10 years, and continue to be installed to increase traffic capacity and improve safety. Learn from knowledgeable speakers about the history, purpose, benefits, selection, design, and construction of roundabouts.

Who should attend? Engineering consultants, designers, project managers, construction managers, municipalities, and others interested in learning more about current practices in roundabout design and construction.

Speakers

Speakers include representatives from:

- Franklin County Engineer's Office
- City of Dublin Engineer's Office
- Carpenter Marty Transportation
- Korda/Nemeth Engineering
- American Structurepoint, Inc.
- Trucco Construction



Seminar Includes:

- Course Reference Materials
- Certificate for 7 Professional Development Hours
- Breakfast, Lunch and Two Breaks

Format: One Day Seminar, Business Casual Attire



Registration

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

ASCE Members: \$ 115.00
 Non-Members: \$ 165.00
 Students: \$ 30.00
 Registration after April 24, 2015: \$ 200.00

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

The preferred method of payment is online at www.centralohioasce.com/seminar by May 8, 2015. Any 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 Friday, May 8, 2015.** Registration fees may still be required for no-shows and registrants canceling after May 8, 2015.

Make checks payable to: Central Ohio ASCE

Chris Nye, S&ME, Inc.
 6190 Enterprise Court Dublin, OH 43016
 Telephone: (614) 793-2226
cnye@smeinc.com

Name _____
 Company _____
 Address _____
 City _____
 State _____ Zip _____
 Phone _____
 e-mail _____

Lunch will be buffet style. Please specify preference or any special dietary needs.



Tentative Schedule

(subject to change)

8:00 - 8:30	Registration / Breakfast	12:45 - 1:45	Geometric Design of Multi-Lane Roundabouts <i>Craig Parks, American Structurepoint</i>
8:30 - 8:40	Welcome / Introduction <i>Chris Nye, ASCE</i>	1:45 - 2:15	Roundabout Case Study <i>Frank Aransky, American Structurepoint</i>
8:40 - 9:20	Introduction to Roundabouts <i>Paul Hammersmith, City of Dublin</i> <i>Mike Meeks, Franklin County</i>	2:15 - 3:00	Construction Considerations <i>Sean Smith, Trucco Construction</i>
9:20 - 10:20	When to Use a Roundabout <i>John Gallagher, Carpenter Marty Transportation</i>	3:00 - 3:15	Break
10:20 - 10:35	Break	3:15 - 4:45	Roundabout Case Studies <i>Jeannie Willis, City of Dublin</i> <i>Mike Meeks, Franklin County</i> <i>Jeromy Grenard, American Structurepoint</i>
10:35 - 12:00	Geometric Design of Single-Lane Roundabouts <i>Brooks Vogel, Korda/Nemeth Engineering</i>	4:45 - 5:00	Closing Remarks <i>Chris Nye, ASCE</i>
12:00 - 12:45	Lunch Break (food provided)		

rev. 3/6/15

Directions and Map

DIRECTIONS TO THE EVENT:

Crowne Plaza Dublin
 600 Metro Place North
 Dublin, OH 43017
 Phone: (614) 764-2200

From the West:

Take I-70 East to I-270 North. Take exit 17A for US-33 East. Turn right on Frantz Rd and turn right on Metro Place North. Hotel is 0.4 miles on right.

From the East:

Take I-70 East through Columbus to I-270 North. Take exit 17A for US-33 East. Turn right on Frantz Rd and turn right on Metro Place North. Hotel is 0.4 miles on right.

From the North:

Take I-71 South to I-270 West. Take exit 17A for US-33 East. Turn right on Frantz Rd and turn right on Metro Place North. Hotel is 0.4 miles on right.

From the South:

Take I-71 North to I-270 West. Take exit 17A for US-33 East. Turn right on Frantz Rd and turn right on Metro Place North. Hotel is 0.4 miles on right.

