

March, 2016  
Volume 20, Issue 7

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## APRIL DINNER MEETING / TOUR

**DATE:** Thurs. April 21, 2016,  
3:00 PM - Optional Tour at WWTP  
5:30 PM - Dinner Registration  
6:00 PM - Dinner

### LOCATION:

*Tour:* Athens WWTP, 557 East, State Street, Athens OH 45701. Meet at front gate.

*Dinner:* The Eclipse Company Store, 11309 Jackson Drive, The Plains, OH 45780

**TOPICS:** **Tour - Optional Tour of Athens Wastewater Treatment Plans - Project Manager Scott Stearns, P.E., BCEE,** will give a tour of the recently upgraded WWTP

which was the largest Capital Improvement Project ever undertaken in the City of Athens. The \$18 million project included a new ultraviolet disinfection system that replaced a chlorine gas system, resulting in a major safety improvement for both plant operators and the public. In addition, the project added new primary and secondary clarifiers, new influent screening and pumping, and a bioreactor odor control system. A new septic receiving station was also included in the project, which allows local haulers to dispose of it rather than shipping it to adjacent municipalities.

**City of Athens Capital Improvement Plan Update - City of Athens Engineer Andy Stone** will give an update on the City's Capital Improvement Plan and an overview of the WWTP Upgrade project. Andy is the city engineer and director of Public Works. He holds a Bachelor's Degree in Civil Engineering from The Ohio State University, a Master's Degree in Civil Engineering from Ohio University, and is a registered professional engineer in the State of Ohio. He also serves as an engineer officer in the Ohio Army National Guard. He has worked for the city since 2003.

**Ohio University & The Ohio State University Student Chapters** - The student chapters will give presentations of updates on their projects, teams, and organizational activities.

**MENU:** BBQ Meat Buffet with vegetarian option available.

**CPD Hours:** A certificate for one (1) Continuing Professional Development (CPD) hour will be issued at the conclusion of the program. An additional certificate for 1 CPD will be provided at the conclusion of the tour.

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

**REGISTER:** Registration is due by 5:00 PM on Friday, April 15, 2016. Late registrations and walk-ins may not be accepted. Registration fees may apply for no-shows and registrants canceling after the deadline. Contact A.J. Smith at 614-793-8777, or [2016register@centralohioasce.com](mailto:2016register@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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## 2015-2016 BOARD OF DIRECTORS

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## LETTER FROM THE PRESIDENT

Central Ohio Section Members:

Terry Foegler, Chair of the Central Ohio District Council of the Urban Land Institute, was the feature speaker of March's meeting. Terry shared the data analysis results of the [insight2050](#) initiative and discussed how this analysis determined Central Ohio's growth outlook for the next 30 years. Thanks Terry for a great presentation and discussion on key issues for Central Ohio's future growth and planned development.

Elections are under way for next year's Central Ohio ASCE Board of direction and for delegates to the Ohio Council of ASCE sections (<http://ohioasce.org>). The election is open to members of the Central Ohio Section that paid section dues. You should have received an e-mail with details on how to vote. If you have not received the election instruction's e-mail or have any questions, please contact us.

In addition to the elections, we are requesting nominations for two awards to be presented in our May meeting.

- **Central Ohio Civil Engineer of the Year:** The recipient shall practice or teach civil engineering in Central Ohio, must have made a significant contribution to the civil engineering profession, and exemplify the public image

and perception of the civil engineer and civil engineering profession.

- **Outstanding Section Member of the Year:** The recipient shall be an active section member who have made a significant contribution to the Section through participation in the activities of the Section, and promote a good image of the Section and its members.

On the advocacy side, Ohio Engineers Legislative Day is May 3, 2016. Join ASCE and OSPE for this full day event. Earn 5.0 CPD Hours. For information click [HERE](#).

Lastly, join us on our 20<sup>th</sup> annual ASCE Golf Outing on Darby Creek Golf Course. For registration and sponsoring information on this popular outing click [HERE](#).

Looking forward to meet you at one of our events.

Sincerely,

Carlos Vazquez, PE, M. ASCE

President

ASCE Central Ohio Section

[president@centralohioasce.com](mailto:president@centralohioasce.com)



## 2016 SECTION ELECTIONS AND AWARDS

### BALLOTS FOR 2016-2017 OFFICERS

Position	Nominated Candidate	Write-In Candidate
President	<input type="checkbox"/> A.J. Smith, P.E.	<input type="checkbox"/> _____
1st Vice President	<input type="checkbox"/> Chris Nye, P.E.	<input type="checkbox"/> _____
2nd Vice President	<input type="checkbox"/> Matt Baxendell, P.E.	<input type="checkbox"/> _____
Treasurer	<input type="checkbox"/> Firat Sever, P.E.	<input type="checkbox"/> _____
Secretary	<input type="checkbox"/> Zach Stolarsky, E.I.	<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"/> Bethanie Meek, P.E.
<input type="checkbox"/> Michael Bashore, P.E.	<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 27, 2016.

- 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](mailto:asce@centralohioasce.com) and we will send you one.
- Send hard-copy ballot to: Mark Seidelmann, PE, GISP, Stantec Consulting Services, 1500 Lake Shore Dr., Columbus, OH 43204



## PAJK 2016 ADVOCATE OF THE YEAR

Jim Pajk, P.E., M.ASCE, Central Ohio Section Member, Ohio Council Treasurer/Secretary, ASCE Federal Advocacy Captain, and Franklin County Deputy Engineer, was honored with – and surprised by – the *2016 Outstanding Civil*

*Engineering Advocate of the Year Award.*

"I'm so used to everyone pronouncing my name

incorrectly, so I was caught off guard," laughed Pajk. "It is a nice honor, but it is due to



some help from members back in Central Ohio." Jim received the award from ASCE President Mark Woodson at the ASCE Legislative Fly-In. The award recognizes Jim's successes in engaging and building relationships with Ohio members of Congress to gain support of ASCE's Priority Issues.

The 2016 Fly-In was the sixth for Pajk. He had five meetings on Capitol Hill, engaging the staffs of Senators Brown and Portman, as well as Representatives Tiberi, Beatty, and Renacci, in addition to many meetings with the Congress people and staff at their Ohio-based offices.

"It's important to engage all levels of government, be it state legislation or federal, letting people know who we are and the resources we can become for them," Pajk said. "I think civil engineers have a tendency maybe to stay back a little too much on the sidelines. Civil engineering affects all our lives. I think it's important for representatives to know that. It becomes a very easy thing to advocate."

## CENTRAL OHIO SECTION AWARD NOMINATIONS

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](mailto: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](mailto: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.



## 20th ANNUAL GOLF OUTING

With spring trying to get in full swing, that means Golf Season is upon us. Don't forget to mark your calendars and sign up for the 20th Annual ASCE Central Ohio Section Golf Outing to be held Friday, June 17, 11:00 A.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, lots of "those" pies at the end, and a special gift in commemoration of 20 years of the event.

This outing has raised over \$30,000 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 hole sponsor for \$100 or a lunch/dinner/beverage cart sponsor for \$250 which includes hole recognition as well.

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](mailto:jpajk@franklincountyengineer.org). Go to the [ASCE Central Ohio website](#) to download a flyer.



## OHIO ENGINEERS LEGISLATIVE DAY

**What:** 2016 Ohio Engineers  
Legislative Day

**When:** Tuesday, May 3, 2016

**Where:** Sheraton Columbus Hotel  
at Capitol Square, 75 E.  
State St., Columbus, OH

**Cost:** \$70 members,  
\$99 non-members

Presented by OSPE and sponsored by ASCE Ohio Section  
Up to 5 PDH may be earned

Register by April 29, 2016

Agenda (8:00 AM to 2:30 PM):

- Registration - Coffee & light breakfast provided
- Welcome  
Dennis Irwin, PhD, PE, President, OSPE  
Joe Warino, PE, PS, FNSPE, VP of OSPE Legislative &  
Government Affairs
- ODOT Partners in Looking at Low Volume Roads  
James Barna, PE, Assistant Director, ODOT



- Water Supply Safety  
Craig Butler, Director, Ohio EPA
- Road Quality Challenges for Ohio County Engineers  
Mark Zimmerman, PE, PS, Seneca County Engineer
- Legislative Update  
Rep. Louis Blessing, III, PE, District 29
- Lunch & Speaker - How Will We Fund Surface  
Transportation After the FAST ACT  
Brian Pallasch, CAE, Lobbyist, ASCE
- Railroad Grade Crossing Safety  
Matthew Dietrich, Executive Director, ORDC
- Legislative Visits

Following the program, attendees are encouraged to make legislative visits. We encourage you to schedule in advance an appointment to meet with your State Representative or State Senator. You may want to introduce yourself and/or discuss policy issues relevant to the engineering profession. Click [HERE](#) for more details or to register.

## 2016 LEGISLATIVE FLY-IN

On Wednesday, March 16 over 200 ASCE members representing 49 states descended on Capitol Hill in Washington, DC for the annual Legislative Fly-In. Three members from Ohio attended, including 2 from the Central Ohio Section. As if to send a message, attendees learned during Tuesday evening issues briefings that the Washington Metro was closing for 29 hours to make emergency inspections, meaning the Metro would be closed on the day of the Congressional visits. This was a timely talking point for infrastructure improvements since many Congressional staffers were impacted by the lack of public transportation, highlighting the importance of infrastructure. Central Ohio Section members met with the staffs of Senators Brown and Portman, as well as Representatives Tiberi, Beatty, and Renacci. The focal point of the legislative visits centered on three main points:

- Federal Aviation Administration bill reauthorization - The push is to reauthorize a bill in 2016 to allow certainty for aviation programs which have been operating under temporary extensions since 2015. ASCE has pushed to increase or eliminate the cap on Passenger Facility Charges (PFC) to allow airports flexibility in funding their individual needs, and to require

Quality Based Selection for these engineering services. Similarly, funding in the Airport Improvement Program (AIP) should be increased.

- Water Resources Development Act (WRDA) passage - ASCE is encouraging Congress to pass a new WRDA bill in 2016 to keep the bills on a two-year cycle, and to fund it to levels included in the 2014 bill. This provides certainty for local agencies. To minimize the likely hood of situations like the Buckeye Lake Dam, Congress should authorize a Dam Rehabilitation Program to fund repair, rehabilitation, and removal of non-federal dams, of which there are 87,000 in the United States with an average age of 52 years.
- Increased investment in water infrastructure - Well documented cases in Flint, MI and Sebring, OH highlight the need for funding in water infrastructure. ASCE encourages an increased investment in State Revolving Funds for both Drinking Water and Clean Water programs, which are the primary funding mechanisms in this arena. There is also a need to fully fund the Water Infrastructure Financing Program (WIFIA) and to create a Water Infrastructure Investment Trust Fund.

## MOTORCYCLE RALLY & DINNER

ASCE is offering a motorcycle tour for non-golfers in coordination with the ASCE Golf Outing on June 17. The cost will \$25 for dinner at the Darby Creek Golf Course, located



between Plain City and Marysville. We typically start the ride from the McDonalds at SR 161 and Avery-Muirfield Drive in

Dublin around noon, and finish at the golf course between 4:00 and 5:00 PM. The tour will navigate the back roads northwest of Columbus with stops at some notable (or not so notable) sites in the area of Union, Logan, Madison, and/or Champaign Counties. It is a scenic ride, the food at the golf course is great (prepared by the Younger Member Group), and it is a time to renew acquaintances in the business at dinner. To sign up or for more information contact Dave Pritchard at 614-519-4819 or [davepritchard@sbcglobal.net](mailto:davepritchard@sbcglobal.net).



## FREE WEBINAR - GRAY AREAS OF MASONRY DESIGN

What: Free Webinar - 1.5 PDH

When: Mon., May 16, 2016

11:30 AM - 1:00 PM

Where: WD Partners

7007 Discovery Blvd.

Dublin OH 43017

Topic: Gray Areas of Responsibility in Masonry Design

RSVP: To [Carlos.Vazquez@WDPartners.com](mailto:Carlos.Vazquez@WDPartners.com) by Thurs. May 12, 2016.

\*Open only to Central Ohio ASCE Section Members.

\*Seating is limited to the first 25 people.

\*Bring your own lunch.

### Purpose and Background

Design of several masonry elements straddles the border between architectural and structural disciplines. Among these are masonry walls, steel lintels, and brick veneer. In a typical project, the architects include these components in their construction documents, drawings, and specifications. By contrast, structural engineers address these elements in various ways, with some fully designing and detailing them, and others only referring to typical notes and details. In some cases, the engineers' input is limited to a review of project specifications. Occasionally, load bearing masonry walls and shear walls are not even shown in the structural drawings, because the engineers use computer software that designs and draws structural steel but not masonry.

Since architects and engineers deal with different design aspects of these masonry elements, their design details tend to emphasize certain information and omit other. Quite often the same condition is shown slightly differently in the



architectural and structural drawings. Some contractors exploit the apparent inconsistencies and submit RFIs and change orders, claiming conflicting or insufficient information. This webinar helps explain how such claims, and even litigation, could be avoided.

### Primary Topics of Discussion

- Introduction: architects and engineers working together on overlapping issues
- Masonry walls
- Steel lintels
- Brick veneer

### Learning Outcomes

- Become familiar with the variability of design practices for masonry structural elements
- Know how to design glass block walls in accordance with the latest building codes
- Learn how construction tolerances affect the design of steel lintels supporting masonry
- Find out which standards control the design of adhered and anchored veneer and where this work should be shown
- Understand the difference between participating and nonparticipating masonry elements

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.

## OPAL AWARDS

The 2016 OPAL (Outstanding Projects and Leaders) Awards were held on March 17 in Arlington, Virginia.

### Lifetimes of Achievement

- Design – Rudolph Bonaparte, president, CEO, and senior principal for Geosyntec Consultants in Atlanta; leader in the design and performance evaluation of waste-containment systems for all types of solid-waste landfills
- Government – Jerry DiMaggio, P.E., D.GE, M.ASCE, is a principal engineer at Applied Research Associates Inc. for the research and technology deployment group, following a career that has spanned five decades featuring many specification-setting highway geotechnical contributions
- Education – Dan Frangopol, Sc.D., P.E., F.SEI, F.EMI, Dist.M.ASCE, the first Fazlur R. Khan Endowed Chair of Structural Engineering and Architecture at Lehigh University, professor emeritus at the University of Colorado at Boulder; leader in life-cycle civil engineering
- Management – George Pierson, Esq., P.E., M.ASCE, president of the Pierson Advisory Group, following seven years as president and CEO of Parsons Brinckerhoff Inc.; under his leadership, Parsons Brinckerhoff employed approximately 14,000 professionals in 150 offices on five continents and had annual revenues of \$2.7 billion

- Construction – Christopher Traylor, M.ASCE, co-president of Traylor Bros. Inc., a third-generation company and one of the leading heavy civil contractors in the nation

### Award Winners

Outstanding Civil Engineering Achievement Award - The Dragon Bridge in Da Nang, Vietnam, was announced as the 2016 honoree among five other finalists.

Henry L. Michel Award for Industry Advancement of Research - Kornel Kerenyi, Ph.D., M.ASCE. Kerenyi is the hydraulics research program and laboratory manager for the Federal Highway Administration.

Charles Pankow Award for Innovation - Honored the seismic design methodology for precast concrete diaphragms, research that involved collaboration between engineers at the University of Arizona, Lehigh University, and the University of California, San Diego, along with industry groups to produce a methodology that has changed codes in ASCE 7-16.

ASCE Excellence in Journalism Award - Mike Lindblom, a transportation reporter for the Seattle Times, wrote a comprehensive series about the construction of the Alaskan Way Viaduct Tunnel, which included several stories about the Bertha tunnel-boring machine.

## FREE WEBINAR - DRILLED SHAFT FOUNDATIONS

What: Free Webinar - 1.5 PDH

When: Mon., May 23, 2016  
11:30 AM - 1:00 PM

Where: E.L. Robinson Engineering  
1801 Watermark Dr., Suite 310  
Columbus, OH 43215

Topic: Geotechnical Analysis for Rock-Socketed Drilled Shaft

RSVP: To [newsletter@centralohioasce.com](mailto:newsletter@centralohioasce.com) by Thurs.  
May 17, 2016.

\*Open only to Central Ohio ASCE Section Members.

\*Seating is limited to the first 25 people.

\*Bring your own lunch.

### Purpose and Background

Drilled shafts are a common foundation selection for all types of structures. When the soil is relatively poor quality and the structure loads are relatively large, the shafts are often drilled through the poor soils into underlying rock mass is present. These shafts could be founded or seated on the rock mass surface, or they could be drilled into the rock mass to form a rock socket. This webinar concentrates on the geotechnical analysis for drilled shafts that derive their axial and lateral resistance from rock sockets. The webinar is based upon Load and Resistance Factor Design (LRFD) methodology as per the specifications of the American Association of State Highway and Transportation Officials (AASHTO). It discusses load transfer models for axial and lateral behavior of rock sockets. It also discusses selection of appropriate rock parameters and methods of axial and lateral load analysis.

### Primary Topics of Discussion

- Concept of drilled shafts in soils versus rock
- Side resistance
- Tip (base) resistance
- Lateral resistance
- Strain compatibility between soil overburden and rock socket



- Definition of rock strength – intact versus rock mass
- Effect of relative strength of concrete and rock mass

### Learning Outcomes

- Become familiar with issues in evaluating capacity of rock socket foundations
- Understand strain compatibility aspects between side and tip resistance
- Understand resistance-mobilization models
- Be able to choose and apply appropriate rock capacity models

### Webinar Benefits

- Be able to properly characterize properties of rock for drilled shaft designs
- Understand the models of side, tip, and lateral resistance of rock sockets
- Learn about the AASHTO requirements for rock socket designs in context of Load and Resistance Factor Designs
- Be able to generate recommendations for rock socket designs

### Webinar Outline

- Introduction and definition of variables
- Definition of rock and site characterization
- Axial loading
- Lateral Loading
- Construction
- Conclusions
- References
- Questions

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.

## SPRING SEMINAR REGISTRATION EXTENDED

What: Spring Seminar - 6 PDH

When: Wed., April 20, 2016  
8:00 AM - 4:45 PM

Where: OSU Fawcett Center  
\*Free Parking

Topic: Water Quality

RSVP: To Firat Sever, (614) 901-2235 or  
[fsever@structurepoint.com](mailto:fsever@structurepoint.com)

We have extended the registration deadline for the spring seminar until 4:00 PM on **April 15, 2016**. We hope you will join us for this full day event for which we've assembled a great list of presenters, including:

- Dan Dudley, Ohio EPA
- Dale Kocarek, Stantec



- Viraj deSilva, American Structurepoint
- Tim Fallara, Columbus DOSD
- Eric Onderak & Steven Thompson, AECOM
- Mike Joseph, Ohio EPA
- Rick Kent, Columbus DPU
- Linda Weavers, OSU
- Matt Steele & Rod Dunn, Columbus DOW
- Brad Stanton, City of Delaware
- Tim Wolfe, MWH
- Chris Kenah, Ohio EPA
- Barb Lubberger, Ohio EPA

We are also pleased to announce that the Seminar qualifies for **6 OEPA Contact Hours in addition to PDH hours**.

A flyer with additional information and registration materials can be found at the back of this newsletter.



## 2015-2016 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Group(s)	Location	Coordinator
Wednesday April 20, 2016 All Day	ASCE Spring Seminar - Water Quality	ASCE	OSU Fawcett Center	Firat Sever
Thursday April 21, 2016 Dinner	OU/OSU Student Chapter Presentations City of Athens Capital Improvement Plan Update and WWTP Tour	ASCE	Athens, OH	OSU/OU Student Chapters
Thursday May 19, 2016 Lunch	Awards ASCE Region 3 Governor	ASCE	T.B.D.	Carlos Vazquez/ AJ Smith
June, 2016 Dinner	2016-2017 Planning Meeting	All	Tommy's Pizza - Dublin, OH	Chris Nye
Friday June 17, 2016 Lunch & Dinner	Annual Golf Outing	ASCE	Darby Creek Golf Club	Jim Pajk

## CADD CLASS VOLUNTEERS



Starting again in 2016 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 Tom Less ([Tom.Less@woolpert.com](mailto:Tom.Less@woolpert.com)) if you're interested in taking part.

The classes will occur once a week for a few hours on a day to be determined, running likely from the 2<sup>nd</sup> week in January through April. Volunteers can come to as many or few sessions to assist as they like, but the more instructors we have the better we can provide individual attention.

## CIVIL ENGINEERING REFERENCE BOOKS

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 3<sup>rd</sup> floor in a special collection area of the main library (north side of building in the half-height stacks).

## 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](http://www.centralohioasce.com)

E-Mail: [asce@centralohioasce.com](mailto:asce@centralohioasce.com)

## BOARD MEETING

Our Next Board Meeting  
Will Be 11:30 A.M.  
April 28, 2016  
At W.D. Partners

## DREAM BIG! IMAX MOVIE



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

Dream Big recently moved into full production thanks to the Bechtel Corporation, which has signed on as the film's presenting sponsor. The film will take advantage of the awe-inspiring scope of giant-screen theaters including IMAX to show how engineers have made civilization possible, and to encourage youth to make it a career. ASCE is working with award-winning documentary filmmakers MacGillivray Freeman on the production and associated educational materials. Dream Big will have its world premiere during Engineers Week in February 2017. Click [HERE](#) for a preview.

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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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## Spring Seminar - Water Quality

### Water Quality SEMINAR

Various Speakers from:

City of Columbus, OEPA, City of Delaware,  
Consultants

Water Quality remains to be a hot topic in Ohio with algal blooms in surface waters as well as issues with drinking water quality. What can we do to improve our waters? Learn from knowledgeable speakers about HABs, water/wastewater treatment, resource recovery, groundwater, stormwater BMPs, drinking water quality and more!

**Who should attend?** Engineers, designers, managers, operators, regulatory professionals, construction managers, and others interested in learning more about current practices regarding water quality.

### Speakers

Speakers include representatives from:

- Ohio Environmental Protection Agency (OEPA)
- City of Columbus, Division of Sewerage and Drainage (DOSD)
- Ohio State University (OSU)
- City of Columbus, Division of Water (DOW)
- City of Delaware
- American Structurepoint
- MWH
- Stantec



Seminar Includes:

- Course Reference Materials
- Certificate for Professional Development Hours
- Breakfast, Lunch, and Two Refreshment 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 1, 2015: \$ 200.00

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

The preferred method of payment is ~~online~~ <sup>15</sup> at [www.centralohioasce.com/seminar](http://www.centralohioasce.com/seminar) by April ~~14~~ <sup>15</sup> 2016. Any Checks should be made payable to Central Ohio ASCE.

Please register and pay online with a credit card. **Registration at the regular fee is due by 4 PM on Friday, April 1, 2016.** Registration fees will still be required for no-shows and registrants canceling after April 15, 2016.

Make checks payable to: Central Ohio ASCE

Firat Sever, American Structurepoint.  
 2550 Corporate Exchange Drive, Columbus, OH 43231  
 Telephone: (614) 901-2235  
 fsever@structurepoint.com

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

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

X

## Seminar Program

(subject to change)

7:30 - 8:00	Registration / Breakfast	12:00 - 1:00	Lunch
8:00 - 8:15	Welcome / Introduction <i>Firat Sever, ASCE / Central Ohio</i>	1:00 - 1:40	Use of Ultrasound for Environmental Applications <i>Linda Weavers, OSU</i>
8:15 - 9:00	Upgrades Regarding Ohio EPA's Plan for Nutrient Pollution Control <i>Dan Dudley, OEPA</i>	1:40 - 2:40	Lake Erie Isn't the Only One Facing Water Quality Challenges <i>Matt Steele and Rod Dunn, City of Columbus, DOW</i>
9:00 - 9:30	Introduction to Nutrient Removal at Ohio's Municipal Improvements Project <i>Dale Kocarek, Stantec</i>	2:40 - 2:55	Break
9:30 - 9:45	Break	2:55 - 3:25	City of Delaware Water Treatment Plant Expansion and Improvements Project <i>Brad Stanton, City of Delaware</i>
9:45 - 10:15	Green Technology to Recover Phosphorous at WWTPs <i>Viraj deSilva, American Structurepoint</i>	3:25 - 3:55	Today's Water Treatments Challenges <i>Tim Wolfe, MWH</i>
10:15 - 11:00	Columbus Has Gone Green! <i>Tim Fallara, City of Columbus, DOSD</i> <i>Eric Onderak/Steven Thomson, AECOM</i> <i>Jacob Slechter/Scott Compston, City of Columbus, Division of Construction Inspection</i>	3:55 - 4:15	Drinking Water Harmful Algal Blooms in Ohio <i>Barb Lubberger, OEPA</i>
11:00 - 11:30	Construction Stormwater Permitting in Ohio <i>Mike Joseph, OEPA</i>	4:15 - 4:35	Ambient Groundwater Quality in Ohio <i>Chris Kenah, OEPA</i>
11:30 - 12:00	Columbus Southerly WWTP - Planning for the Future <i>Rick Kent, City of Columbus, DOSD</i>	4:35 - 4:45	Closing Remarks <i>Firat Sever, ASCE / Central Ohio</i>

**DIRECTIONS TO THE EVENT:**

**The Fawcett Center**

2400 Olentangy River Road

Columbus, OH 43210

Phone: (614) 292-1342

**From the West:**

Take I-70 East to State Route 315 North. Follow to the Lane Avenue Exit. Turn right on Lane Avenue and turn left on Olentangy River Road. The Fawcett Center is the first driveway on the right.

**From the East:**

Take 670 West to State Route 315 North. Follow to the Lane Avenue Exit. Turn right on Lane Avenue and turn left on Olentangy River Road. The Fawcett Center is the first driveway on the right.

**From the North:**

Take either I-71 or State Route 23 South to I-270 West. Take I-270 West to State Route 315 North. Follow to the Lane Avenue Exit. Turn right on Lane Avenue and turn left on Olentangy River Road. The Fawcett Center is the first driveway on the right.

**From the South:**

Take either I-71 North to State Route 315 North, OR State Route 23 North to I-270 West to State Route 315 North. Follow to the Lane Avenue Exit. Turn right on Lane Avenue and turn left on Olentangy River Road. The Fawcett Center is the first driveway on the right.



**A PARKING PERMIT WILL BE PROVIDED  
UPON REGISTRATION**