

ASCE Newsletter

Central Ohio Section

May, 2015
Volume 19, Issue 9

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MAY AWARDS LUNCHEON

DATE: Thurs. May 21, 2015
11:30 A.M. Registration
12:00 P.M. Lunch Presentation

LOCATION: Schmidt's Sausage Haus
240 E Kossuth St
Columbus OH 43206

TOPIC: Awards and Forensic Engineering

We will present this year's awards for Outstanding Civil Engineer of Central Ohio and Outstanding Section Member of ASCE Central Ohio.



Our special guest speaker is John A. Fraenhoffer, P.E., S.E., M.ASCE who is the current ASCE Region 3 Director and Chair of the Region 3 Board of Governors. Mr. Fraenhoffer is a Licensed Professional Engineer and a Licensed Structural Engineer in Illinois and is the Director of Structural Engineering for Engineering Resource Associates, Inc., headquartered in Warrenville, IL.

John Fraenhoffer has over 37 years of professional experience. He serves as ERA's Director of Structural Engineering Services and was the founder and President of Champaign-based Fraenhoffer and Associates, PC, which was acquired by ERA in 2009. His professional experience includes structural design, structural inspections, and forensic investigations. As an award-winning Project Director, John has provided bridge design and inspection services for a vast array of agencies and political subdivisions including: IDOT, IDNR, Illinois Capital Development Board, and many county/municipal agencies.

SPEAKER: John A. Fraenhoffer, P.E., S.E., M.ASCE

MENU: Schmidt's Traditional German Buffet: Pork Bratwurst, Smoked Bahama Mama, Garlic Knockwurst, German Potato Salad, Hot Sauerkraut with Pork, Green Beans with bacon, Chunky Applesauce, Garden Salad, Rolls & Butter, Coffee, Tea and Iced Tea.

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

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

REGISTER: Registration is due by 5:00 PM on Friday, May 15, 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.

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LETTER FROM THE PRESIDENT

Central Ohio Section Members:

As this year wraps up I think back to all that we have accomplished and I'm proud. We have put on a great program of technical seminars, and provided free webinars. Not only have we focused on expanding your technical proficiency but we have also provided opportunities to "network" and expand your social network with frosty beverages and sporting events. It is hard to believe that the

past five years have finished so quickly. I appreciate all the people I have met, the connections that I have made and I look forward to continuing my involvement in this great organization.

Sincerely,

Mark Seidelmann, PE, GISP, M.ASCE

President – ASCE Central Ohio Section

president@centralohioasce.com

COLUMBUS CLIPPERS GAME OUTING

What: Columbus
Clippers vs.
Charlotte Knights

When: Wed. May 20,
2015, 6:30 P.M.

Where: Huntington Park

Cost: \$5 for members
and guest

RSVP: Online - click [HERE](#).

We'd like to extend an invitation the invitation to everyone to join the ASCE Central Ohio Section on Wednesday, May 20th for a game at Huntington Park. John Fraenhoffer, who



will be speaking on Thursday at the luncheon at Schmidt's, will be in attendance at the game and would enjoy meeting with Section members.

Our hometown Clippers are the AAA affiliate of the Cleveland Indians and are currently in first place in the International League West division. The Knights are the Chicago White Sox AAA affiliate and are currently in first place in the South division.

Tickets are only \$5 apiece and spots are limited, so reserve your space today for this great event. Tickets will be picked up at a social hosted by the Younger Members Group down in the Arena District prior to the first pitch.

19th ANNUAL GOLF OUTING

With spring in full swing that means Golf Season is upon us. Don't forget to mark your calendars and signup for the 19th annual ASCE Central Ohio Section Golf Outing to be held June 12, 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.

This outing has raised almost \$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. Go to the ASCE Central Ohio website, www.centralohioasce.org, to download a flyer.

MOTORCYCLE RALLY & DINNER

ASCE is offering a motorcycle tour for non-golfers in coordination with the ASCE Golf Outing on June 12. 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.

ASCE PRESIDENTIAL CANDIDATES

2016 President-elect Nominees



Norma Jean Mattei
Ph.D., P.E., F.SEI,
M.COPRI, M.ASCE



Thomas R. Walther
P.E., F.ASCE

Norma Jean Mattei, Ph.D., P.E., F.SEI, M.COPRI, M.ASCE and Thomas R. Walther, P.E., F.ASCE, official nominees for the position of ASCE president-elect, recently sat down with ASCE to record their responses to questions posed by ASCE members.

The election for ASCE officers opens May 1 and ends June 1, 2015. For the first time, the election will be exclusively conducted electronically. Paper ballots will not be mailed. Visit the election web page for a complete list of nominees and more information on the election.

Eligible voting members will receive their voting credentials via email on May 1, 2015.

Before you cast your vote, take a minute to learn about the nominees' views on the issues most important to you and to the future of civil engineering. Watch the videos [HERE](#) and visit the election page to read their bios and vision statements.

Norma Jean Mattei, Ph.D., P.E., F.SEI, M.COPRI, M.ASCE resides in New Orleans, Louisiana and is currently a professor at the University of New Orleans (UNO) Department of Civil & Environmental Engineering. Since 1995 she has held various leadership roles at UNO, including Chair and Interim Dean. She has held dozens of leadership positions at various levels within ASCE. Her complete bio can be found [HERE](#).

Thomas R. Walther, P.E., F.ASCE, resides in Wisconsin and has held civil engineering positions within both the public and private sector since 1971, with almost 30 years as the Eau Claire County Highway Commissioner. He has held numerous leadership positions at various levels within ASCE. His complete bio can be found [HERE](#).

Don't forget to vote by June 1!

INFRASTRUCTURE APP



On May 11th, a new app called **Save America's Infrastructure** launched that lets ASCE members take action on infrastructure issues in their state and nationally. Help save America's roads, water pipes, airports, and more by telling your lawmakers to get to work in the Action Center.

Important statistics and more are presented in the new app, launched in conjunction with Infrastructure Week. Based on your location, you can explore the grades of the 2013 ASCE Report Card for America's Infrastructure and state Report Cards, and the need for increased investment with a few clicks from your mobile device, and then share it with legislators and on social media. Additionally, the app will also prompt you through notifications to take action during key

moments, such as when members of Congress are heading to Capitol Hill to vote on the future of the Highway Trust Fund.

As stewards of the nation's infrastructure, we understand the challenges our country's roads, bridges, dams, levees and drinking water pipes are facing. Each of us has a duty to inform elected officials and the public about the poor conditions of our infrastructure. Please use this new app to encourage lawmakers and your social networks to act now to save America's infrastructure.



CIVIL ENGINEERING CAREER DAY



The Central Ohio ASCE Civil Engineering Career Day was held on April 21, 2015. Messer gave us a tour of the OSU North Residential District Transformation project and Jim Miller with the City of Columbus gave us a tour of several of the Alum Creek Trail

Bridges in the area of Easton and Ohio Dominican University. Eight high school students were in attendance and were able to learn about engineering and construction on the aforementioned projects. A big thank you to Beth Meek, Emily Wieringa, and Nikki Zvonek for organizing and guiding the event and tours.



SPRING SEMINAR

The 2015 ASCE Central Ohio Section Spring Seminar was held on May 13 at the Crowne Plaza in Dublin. Over 51 attendees heard from 11 presenters on the subject of Modern Roundabout Design and Construction. Presenters comprised of public agencies, consultants, and contractors to gain a broad understanding of the development, design, construction, and operations of roundabouts. Seminar sessions included:

- Multiple public agencies reviewed their experiences in planning and public support for roundabout projects.



- Consultant review of the planning side of roundabouts, including the traffic and safety benefits and when roundabouts are (and aren't) appropriate.
- Consultant review of design considerations for single and multi-lane roundabouts.
- Hands-on activity allowing attendees to design and draw their own roundabouts.
- Contractor's review of construction related considerations when building a roundabout.
- Case studies from public agencies and consultants examining the good, bad, and ugly from roundabouts that have been in operation, and measures that were taken to improve them after construction.

Donations were made to both the Maria Tiberi Foundation and the Roadway Safety Foundation, both of which promote safe driving.

<http://www.mariatiberifoundation.org/>
<http://www.roadwaysafety.org/>

FREE ON-DEMAND WEBINARS



As a benefit to members, in 2015 ASCE is offering five free, on-demand webinars good for one PDH each. You may choose up to 5 webinars from the 60 on-demand webinars listed [HERE](#). Each one is a 1-hour webinar worth 1 PDH. That's 5 free PDHs from our comprehensive continuing education library – just for being a member! Categories include *Environmental, Geotechnical, Hydraulics and Water Resources, Management and Practice, Structural, and Transportation*.

Not a member? Join online or call Customer Service at 800-548-ASCE (2723) or 703-295-6300, Monday-Friday, 9:00 a.m. – 6:00 p.m., ET to take advantage of this exclusive member benefit.

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).

CONTINUING EDUCATION

Geographic Services is proud to announce the Continuing Education schedule of seminars and workshops for spring and summer scheduled in your geographic area. These seminars/workshops have been produced by ASCE's Continuing Education Department with your members in mind.

Program	Full Dates	City
Design of Foundations for Dynamic Loads	June 3-5, 2015	Minneapolis, MN
Design and Strengthening of Shallow Foundations for Conventional and Pre-Engineered Buildings ~Newly Updated for 2012 IBC and 2011 ACI-318	June 11-12, 2015	Chicago, IL
Design and Construction of Launched Bridges	July 23-24, 2015	Cincinnati, OH
Fire Protection and Detection Systems for Civil Engineers: Analysis, Design, Inspection, Testing, and Maintenance — NEW	August 13-14, 2015	Chicago, IL
Aluminum Structural Design with the 2015 Aluminum Design Manual —NEWLY UPDATED	September 10-11, 2015	Minneapolis, MN
Dam Breach Analysis Using HEC-RAS	September 23-25, 2015	Chicago, IL

MEMBER REFERRAL DRIVE

The 2015 Member Referral Drive launched earlier this month and your fellow members have already begun to earn valuable prizes!



1. Recruit: We'll help you recruit your peers in civil engineering with our recruitment tools.

Refer friends and colleagues now so that they can receive all of the valuable benefits of ASCE membership that you do!



2. Refer: Use your link <http://mgam.asce.org/refernow/> to recruit and we'll send your contacts a special email invitation



3. Reward: Check out the ASCE prizes you can earn and the cash grand prizes which will be awarded after August 1st.

It's as easy as 1, 2, 3...

NEW ASCE NATIONAL CONVENTION

Join civil engineering professionals from around the world at this new ASCE flagship event. Network with peers, earn PDHs, and



expand your knowledge base. The event will take place from October 11-14, 2015 at the New York Marriott Marquis in New York, New York. Registration begins in June, 2015.

The event will address the things that matter to you:

- State of the industry and profession
- Professional, leadership, and technical training
- Cross-discipline technical projects
- Causes, effects, and mitigation of natural and man-made catastrophes
- ASCE strategic issues and public policy
- Significant projects

- History & heritage

Top 5 Reasons to Attend

- Thought provoking – interdisciplinary education, inspiring and enlightening keynote speakers, tours, short courses and networking opportunities with potential clients and project team leads
- Continuing education – up to 24 Professional Development Hours (PDHs)
- New York City – one of the greenest and safest world-class destinations with an abundance of civil engineering accomplishments
- Global transportation hub – NYC is easily accessible from anywhere in the world and has reliable, and inexpensive options to get around
- Lots to do – 24,000 restaurants, 83 museums, and one of the most progressive arts and cultural scenes in the world

For additional information please visit: <http://asceconvention.org/>

2014-2015 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Group(s)	Location	Coordinator
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 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 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](#).

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.

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Stay up to date with current news - go to <http://centralohioasce.com/e-mail>.

Web: www.centralohioasce.com

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BOARD MEETING

Our Next Board Meeting
Will Be T.B.D.

OPAL AWARDS

The 2015 OPAL Gala celebrated the profession's innovations and innovators:

- Andrew Phelps, principal vice-president and manager of operations for Bechtel Mining & Metals, was recognized for career achievements in construction
- Thomas Rust, vice chairman of Philadelphia-based Pennoni Associates and member of the Virginia House of Delegates since 2002, was recognized for career achievements in government
- Nicholas DeNichilo, president & CEO of Hatch Mott MacDonald, recognized for management achievements
- Edward Schmeltz, senior vice-president and director of Maritime and Special Projects at AECOM, was recognized for career achievements in design
- Bernard Amadei, Ph.D., NAE, professor at the University of Colorado, Boulder, and founding president of Engineers Without Borders USA and cofounder of Engineers Without Borders International, was recognized for career achievements in education
- Pile Dynamics Inc.'s Thermal Integrity Profiler is the winner of the Charles Pankow Award for Innovation.

- Anil K. Kar, Ph.D., P.E., F.ASCE, was the recipient of the Michel Award for Industry Advancement of Research.



- Jessica Morrison, a science journalist, was honored as the winner of the Excellence in Journalism Award for enhancing public understanding of civil engineering.
- The first fully relocatable polar research facility, the Halley VI Antarctic Research Station, was named the winner of ASCE's 2015 Outstanding Civil Engineering Achievement award. Designed by AECOM of Reston, Va., and Hugh Broughton Architects of London, the Halley VI is segmented into eight modules, each atop ski-fitted, hydraulic legs that can be raised to overcome accumulating snow, or to be towed to a new location.

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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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