

ASCE Newsletter

Central Ohio Section

October, 2012
Volume 17, Issue 2

CONTENT

President's Letter 2

Latest News 2-5

Calendar of Events 6

Newsletter Ads 6-7

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OCTOBER LUNCH

DATE: Thurs. October 25, 2012 - 11:30 A.M. Registration - 12:00 P.M. Presentation and Lunch
A joint meeting with Engineers Club of Columbus

LOCATION: The Fawcett Center, Ballroom C-D. The Ohio State University, 2400 Olentangy River Road, Columbus, OH. Free Parking is available in the visitor lot on the south side of the building.

SPEAKER: Travis White, PE, SI - Stantec Consulting Services, Inc.

TOPIC: 5th Avenue Dam Removal, Bank Restoration & Lower Olentangy River Ecosystem Project

The City of Columbus is currently removing the 5th Avenue Dam from the Olentangy River. The dam, 500 feet wide and 8 feet tall, was initially constructed in 1935 to provide a constant pool for the cooling intake water at The Ohio State University power plant. The power plant no longer requires cooling water pumped from the river; therefore the pool created by the dam is no longer needed.

The impounded segment of the river, extending several thousand feet upstream of the dam, is not meeting use attainment goals set forth by the Ohio EPA. The project includes removal of the dam and constructing stream improvements along the Olentangy River from the dam upstream to the Lane Avenue Bridge. The project will help restore natural river function, improve habitat for fish and other aquatic species and improve the riparian corridor.



In the presentation, we will discuss the history behind the project; the multi-disciplinary, collaborative effort that addressed the various facets of the project and provide an update on the current status of the construction.

MENU: Boxed lunches with refreshments.

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

COST: \$15 ASCE/ECC Members, \$25 Guests, \$10 Students and Life Members

REGISTER: Registration is due by 5:00 PM on Mon., Oct. 22. Late registrations and walk-ins may not be accepted. Registration fees may apply for no-shows and registrants canceling after the deadline. To register contact Michael Navabi: 614-839-0250, or register@centralohioasce.com

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

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LETTER FROM THE PRESIDENT

Central Ohio Section,

The September dinner meeting in partnership with ACI was a great success. I want to thank the speakers Nigel Carter with Turner Construction and Bill Feltz, P.E. with Anderson Concrete. They did a fantastic job and shared a wealth of information on heavyweight concrete and radiation vault construction.

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

The board has been busy discussing ASCE National issues including the "Raise the Bar" initiative (<http://www.asce.org/ProgramProductLine.aspx?id=7058>) and the Society's 501c status (<http://tinyurl.com/9yhqqr5>). If you have any thoughts or opinions on these matters, the board

would love to hear them. Anyone is welcome to RSVP and attend our monthly board meetings.

Don't miss the upcoming October lunch meeting at the Fawcett center on Ohio State campus. Visit the website for more info: <http://www.centralohioasce.com/>

The Central Ohio Section of ASCE is represented in Region 3 of ASCE (comprised nationally of 10 total regions) by our Ohio Section Governor (currently Central Ohio section member Kevin Carpenter, P.E., L.S., M.ASCE). If you or anyone you know would be interested in filling this role in the future, please let the board know.

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

OSU S.E.E. PANEL VOLUNTEERS

The Ohio State University's Society of Environmental Engineers (SEE) has been established. In the past, members were part of the official student chapters of AAEE, AWWA, and WEF, and due to having similar interests and goals, the organizations pooled members and resources into the Society of Environmental Engineers. The aim is to facilitate an atmosphere of education and opportunity for students that are interested in the environmental field.

In order to encourage interest within the students, SEE is interested in holding three informative panels throughout the academic year. They are currently planning a panel that focuses on the variety of areas that environmental engineers could explore. These include the government sector, consulting, research, industry, etc.

This panel will take place in OSU campus around late October/early November, and are looking for

volunteers interested in presenting information to the students. Below is a tentative schedule for panel events:

- Professional fields in environmental engineering (Late October/Early November)
- Projects and volunteer opportunities (early Spring)
- Academia/Research (late Spring)

If you would like to speak during this upcoming panel or any of the other panels, please contact them in order to make accommodations for dates, locations, food and beverages, etc. These panels are useful and informative tools for aspiring engineering students, and the OSU SEE would greatly appreciate your involvement. If you are interested, contact Phoebe Low, President, Society of Environmental Engineers, B.S. Environmental Engineering, The Ohio State University, at 614-477-4296.

MEMBERS ON THE MOVE



We announce the following members on the move in their professional careers:

Peter Narsavage recently joined E.L. Robinson Engineering as a senior project manager and geotechnical engineer. Peter was previously the State Construction Geotechnical Engineer for the Ohio Department of Transportation in central office. With his experience at ODOT, he can ensure projects are designed for constructability. Peter has served the Central Ohio Section of ASCE for

the past 12 years as board member and website editor and will continue to serve the section and the Ohio Council of Local Sections of ASCE in the future. Peter's new contact information is: phone: 614.856.0642 (work), 614.432.4030 (mobile), email: pnarsavage@elrobinson.com (work), peter@narsavage.org (personal for ASCE related stuff).

To share your "On The Move" moment, please send info to Newsletter@centralohioasce.com

PRINCIPALS OF QUALITY HMA SEMINAR

When: Monday, October 22
 Where: Colas
 7374 Main Street
 Cincinnati, OH 4524
 Who: The Asphalt Institute

- 3) Aggregate Materials and Mix Design
- 4) Asphalt Mix Designs
- 5) Asphalt Plants
- 6) Paving Overview and Best Practices
- 7) Compaction Overview and Best Practices
- 8) Quality Control/Quality Assurance

Principals of Quality Hot Mix Asphalt Pavement Construction Seminar

Every year, the Asphalt Institute hosts a series of seminars based on the MS-22 Manual, "Principles of Quality Hot Mix Asphalt Pavement Construction." This year, the seminar is back in the State of Ohio after a lengthy hiatus with an offering, on October 22, 2012. The seminar will be taught at the Colas USA's Training Facility, located at 7374 Main Street, Cincinnati, Ohio. (Colas was recently listed at No. 7 on the ENR's Top Transportation Contractors.)



The class offers experienced instructors, that allow plenty of time to ask questions, 7 PDH's, a hot lunch, continental breakfast, morning and afternoon breaks, and a copy of AI's MS-22 "Construction of Hot Mix Asphalt Pavements," a \$65 manual if it were purchased separately.

The seminar focuses on the basics of quality asphalt pavement construction:

- 1) Inspection
- 2) Asphalt Materials

This workshop is designed for engineers, inspectors, technicians and contractor personnel responsible for quality control of paving materials, mix design procedures, the inspection and operations of asphalt plants and paving operations. Participation should include personnel from federal, state, county and local agencies, airport authorities, paving contractors, consulting engineers and testing laboratories. The workshop is geared for the technician level and as a basic refresher course for the practicing engineer. The registration fee is only \$195. For information and registration, click [HERE](#).

FREE ONLINE JOURNAL ARTICLES

Did you know that you can access the full text of many journal articles online -- for free? Well, at no cost to you other than your tax dollars at work. The Columbus Metropolitan Library (and many other libraries) offer their patrons online access to the EBSCO research database. You can access it from any computer using your library card number and PIN. Using the research database, you can search for an article and in many cases download a full text pdf of the article. You can also browse the publications and see the list of articles organized by issue.

Now there is a catch (isn't there always a catch?). The journal publishers (including ASCE) have a one-year embargo on online content in the database. This means that if your article was published within the last 12 months, you won't be able to get it anywhere online other than directly through the publisher. But if the article is older than 12 months, you may be able to get the entire thing online.

Here are step by step instructions for the Columbus Metropolitan Library (if you use a different library, how you access the EBSCO research database will differ. Ask you friendly librarian for help.)

- 1) Visit the following website by clicking on the link <http://www.columbuslibrary.org/proxy/login/436>
- 2) Enter your library card number and PIN and click "Submit".
- 3) You will see a screen that says you will automatically be redirected to your resource. Click "Go to resource".
- 4) Click on "Academic and Professional Journal Databases".
- 5) It will now ask you to choose databases. Click on Academic Search Premier, which seems to include all engineering type journals.
- 6) To search for an article, fill out the search form and click "Search", or to browse a journal, click on "Publications" up top to see a list of all the journals included in the database. You can either search for a particular journal or click on the first letter to see the journal list alphabetically. Unfortunately, it does include the word "Journal" in the title. To find the Journal of Geotechnical and Geoenvironmental Engineering, it is easier to search for "geotechnical", click on "Match Any Words" and then "Browse".

Enjoy and browse around. There are many civil engineering journals in the database. See if your favorite offers full text pdf files of articles.

by Peter Narsavage

AUGUST CONSTRUCTION ADVANCES 8 %

The recently released McGraw Hill Construction report shows construction advanced 8% compared to July, which reverses a three month declining trend. August saw an increase in activity in each of constructions three main groups - nonbuilding, residential, and nonresidential. Through the month of August, total construction starts totaled \$304.5 billion, an increase of 3% from the same period in 2011.

The largest increase was realized in residential building, which grew 9% from the previous month to \$168.9 billion, 25% higher than through the same period a year ago. Multifamily housing accounted for most of the gains, but single family

housing was also up 3% continuing a trend of small but consistent gains through all of 2012.

Nonresidential building climbed 7% to \$147.7 billion, which is still down 13% from a year ago. Institutional and educational sectors saw large gains, as did transporation terminals. Retail, office, and warehouse were all lagging.

Nonbuilding construction grew 8% from last month to a total of \$117.3 billion, up 3% from a year ago. The gain was fueled largely by an increase in utility infrastructure and public works categories bridges, pipelines, and mass transit. Most other public works categories were down.

Overall, total construction in the Midwest region was up 5% to date.

ASCE CONTINUING EDUCATION

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
Dam Breach Analysis Using the Hydrologic Engineering Center's River Analysis System HEC-RAS	October 24 - 26, 2012	Chicago, IL
Design of Cold Formed Steel Structures	November 1 - 2, 2012	Chicago, IL
Structural Design of Buildings and Industrial Facilities for Blast Loads and Accidental Chemical Explosions	November 14 - 16, 2012	Cleveland, OH
Seismic Hazard Evaluation and Mitigation Using Simple Methods - NEW	December 6 - 7, 2012	Chicago, IL
Financial Management for the Professional Engineer	January 17 - 18, 2013	Minneapolis, MN
Risk- Based Seismic Design and Evaluation	January 17 - 18, 2013	Chicago, IL
Introduction to Dam and Levee Safety, Evaluation and Rehabilitation	February 7 - 8, 2013	Chicago, IL
Seismic Loads for Buildings and Other Structures	February 7 - 8, 2013	New Orleans, LA
Wetlands and 404 Permitting	February 7 - 8, 2013	New Orleans, LA
Leadership Development for the Engineer	March 7 - 8, 2013	Chicago, IL
Stormwater BMPs That Work: Effective Analysis, Design and Maintenance	March 7 - 8, 2013	Chicago, IL
Aluminum Structural Design with the 2010 Aluminum Design Manual	March 21 - 22, 2013	Chicago, IL
How to Start, Build and Run a Forensic Engineering Practice	March 21 - 22, 2013	Chicago, IL
Wind Loads for Buildings and Other Structures	March 21 - 22, 2013	Cincinnati, OH

2012 - 2013 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Group(s)	Location	Coordinator
Thursday October 25, 2012 Lunch	5th Avenue Dam Removal and Lower Olentangy River Ecosystem Restoration Project	ASCE / Columbus Engineers' Club	Crowne Plaza North, Columbus	Travis White
Thursday November 15, 2012 Lunch	Pedestrian Glu-Lam Arch Bridge - Broadmeadows Drive over Olentangy River	ASCE / SEAoO	Villa Milano, Westerville	William Zacharias Fae Garstang
Thursday December 20, 2012 Lunch	Columbus Solids Treatment Utilization Master Plan	ASCE / City of Columbus	Villa Milano, Westerville	Greg Barden
Thursday January 17, 2013 Lunch	Columbus Airport Updates	ASCE Younger Members	Villa Milano, Westerville	Stephanie Phillips
T.B.D. February 18, 2013 Lunch	Engineers' Week	All	TBD	Engineering Week Committee
Thursday March 14, 2013 Lunch	Sustainability Utilizing GIS	ASCE	TBD	Mark Siedelmann and David Alvarez
Thursday March 28, 2013 Lunch	ASCE Annual Seminar: "Design and Construction of Steel Sheet Piling Structures"	ASCE	WD Partners, Dublin	Carlos Vazquez (ASCE)
Thursday April 17-18, 2013 Lunch	OSU/OU Student Chapter & President Elect	OSU / OU / ASCE	TBD	Bob Redfield / Dr. Carolyn Merry
Thursday March 28, 2013 Lunch	ASCE Annual Seminar: "Design and Construction of Steel Sheet Piling Structures"	ASCE	WD Partners, Dublin	Carlos Vazquez (ASCE)
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	Derby Creek Golf Club	Jim Pajk (ASCE)

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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 November 1 2012.
11:30 A.M.
Location: EDG, Inc.

EMPLOYMENT OPPORTUNITIES

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

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

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



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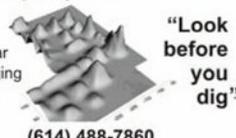
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