

ASCE Newsletter

Central Ohio Section

October, 2011
Volume 16, Issue 2

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OCTOBER LUNCH MEETING

- Date/Time:** Thursday, October 20, 2011 - 11:30 A.M. - Registration - 12:00 P.M. - Lunch
- Location:** Bridgewater Banquet & Conference Center – 10561 Sawmill Pkwy - Powell, OH 43065
- Speaker:** Tim Van Echo, P.E. (S&ME, Inc.) & Ken Ricker, P.E. (ms Consultants)
- Topic:** **City of Columbus Upground Reservoir Project**
Water Beyond 2000 - Upground Reservoir Project. A series of three reservoirs are planned for construction on 2,500 acres of land owned by the City of Columbus in northwest Delaware County. Construction on the first of the three reservoirs, being constructed on Site No. 2, was initiated this May and will contain 9.2 billion gallons of water. The project includes over 5 miles of embankment, over 4.5 million cubic yards of embankment fill, a composite liner of over 780 acres, and a state of the art groundwater monitoring system. The reservoir will provide the water supply required to meet the long-range needs for the communities served by the Columbus Division of Water and the Del-Co Water Company.
- Menu:** Chef's Homemade Lasagna - Seasoned Beef with Italian Sausage, Peppers, Onions and secret spices, Fresh Mozzarella and Homemade Marinara Sauce, served with Bridgewater House Salad, Dinner Rolls & Butter, Coffee, Iced Tea or Lemonade
- CPD Hours:** A certificate for one (1) Continuing Professional Development (CPD) hour will be issued at the conclusion of the program.
- RSVP:** **Registration is due by 5:00 PM on Thursday, October 15, 2011.** Late registrations and walk-ins may not be accepted. Registration fees may still be required for no-shows and registrants canceling after October 15, 2011. Register and pay [online](#) with a credit card, or you may also contact Adam Rich at (614) 797-2463, or register@centralohioasce.com.
- Cost:** \$20 ASCE Members & Guests - \$15 ASCE Life Members - \$10 Students.
- Payment:** The preferred method of payment is [online](#) before October 15, 2011 or on the day of the event by cash or check. If you need to pay for multiple registrations, please pay by check. Checks should be made payable to Central Ohio ASCE.

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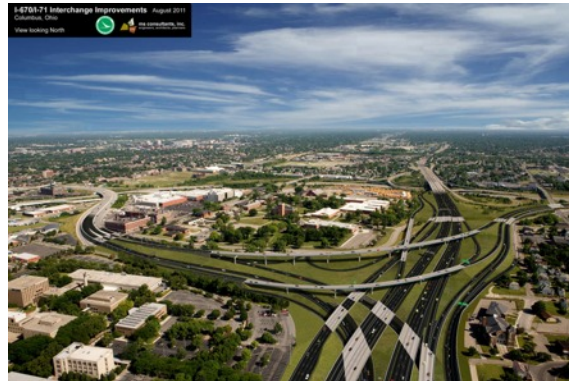
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LETTER FROM THE PRESIDENT

I wanted to start off by thanking Shawn Thompson of CH2M HILL, Kerry Hart of Kokosing and Marie Keister of Engage for the outstanding presentation of the Columbus Crossroads project at our September lunch meeting. This signature transportation project in Downtown Columbus will change the interstate landscape of Columbus and will effect how we commute on I-71 / 670 for many years to come. Please visit their website at www.ODOT71670.org for project updates, detours and renderings of this landmark project in Central Ohio.



Please join us at the Bridgewater Banquet and Conference Center, located on Sawmill Parkway, for our October 20th luncheon meeting. At this luncheon Tim Van Echo from S&ME Engineering and Ken Ricker of MS Consultants will present and discuss the City of Columbus Upground Reservoir Project located in Delaware County. This project includes the construction of a series of three reservoirs over 2,500 acres of land which will provide the water supply for the Columbus

Division of Water and Del-Co Water Company long-range needs. Join us and receive a certificate for one (1) Continuing Professional Development (CPD) hour for attending. Refer to page one of this newsletter for more details on this exciting program.

Over the last few years many professionals in Central Ohio have been affected by the slow economy and the lack projects in the Engineering, Design and Consulting field. We would like to remind those ASCE members to attend the monthly luncheon meetings as a great way to meet and network with other professional in Central Ohio. Also for those Engineering firms that sponsor our monthly newsletter we will be providing a link to each of the sponsoring company's website where job openings will be listed. For those of you that have friends and/or past co-workers that are looking for career opportunities, please refer them to our website and encourage them to attend our monthly lunch meetings.

I look forward to seeing everyone on October 20th!

Thank you,

Mike Mazzoli

President@CentralOhioASCE.com

OHIO TRANSPORTATION ENGINEERING CONFERENCE



From October 25-26, the 65th annual Ohio Transportation Engineering Conference will take place at the Greater Columbus Convention Center.

This years' theme: "Financing Our Future" - Ohioans entrust us to sustain our premier transportation system. We must be resourceful, innovative and make smart decisions in financing our transportation investments - now and into the future.

The Ohio Transportation Engineering Conference is a two-day conference attended by over 2,400 people from across the United States. OTEC is co-sponsored by the Ohio Department of Transportation and The Ohio State University, and the conference is organized to provide something for everyone interested in Ohio's transportation in-

dustry. The program addresses the latest policies and technical information, as well as covering new ideas in transportation policies, planning, design, construction, maintenance, operation, local government, and management of transportation resources.

Join transportation officials, government, and members of the academic community at the Ohio Transportation Engineering Conference - one of the nation's largest transportation conferences. The conference features exciting speakers, technical sessions, and an exhibit area. Meet other professionals in your specialty area and share stories of innovations in transportation. The keynote lunch speaker is Eddie George.

For information, a list of programs, or to register to attend, please visit the [2011 OTEC website](http://www.2011otec.com).

2010 CENTRAL OHIO ASCE AWARDS

As part of the May 2011 luncheon, ASCE National President-Elect Andrew Herrmann, informed the Central Ohio Section and encouraged advancement of ASCE's three main Strategic Initiatives that will be promoted during his presidency - 1.) Improve America's Infrastructure, 2.) Raise the Bar for Future Entry into Professional Civil Engineering Practice, 3.) Achieve a More Sustainable Natural and Built Environment.

3. One who exemplifies the public image and perception of the civil engineer and its profession.

In addition, the following Central Ohio Engineers were recognized as Award Winners for their achievements. Congratulations to all honorees!!

Outstanding Central Ohio Section Member

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.



2010 Award Winner

Bob Heady, P.E., S.I., (pictured with Andrew Herrmann and Mike Mazzoli) is a Project Manager for Strand Associates' Columbus, Ohio office, and has dedicated many years of service to the Central Ohio Section, in particular, the Younger Members Group.

Outstanding Civil Engineer of Central Ohio

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.



2010 Award Winner

Paul Coblentz, P.E., (pictured with Andrew Herrmann and Mike Mazzoli) is a Project Manager in Gannett Fleming's Columbus, Ohio office, and managed the award winning Interstate 80 Widening at Meander Reservoir project in Austintown, Ohio.

Life Member

A Life Member is an individual who has made a lifetime commitment to ASCE and the civil engineering profession by remaining members for the full length of their professional career. Life Member status exempts a member from further payment of membership dues.

General Requirements:

1. Have reached the age of 65 years.
2. Have paid dues in any membership grade except Student Member for at least 30 years.
3. Have had 10 years continuous membership immediately preceding the attainment of Life Member.



2010 Award Winners

- Leonard Brown, P.E., (pictured with Andrew Herrmann and Mike Mazzoli).
- Bruce Freimark (not present)
- Thomas Ashton (not present)
- Vikram Rajadhyaksha (not present)

CENTER FOR ARCHITECTURE & DESIGN - STIRRING SPIRITS

Who: The Center for Architecture and Design

What: "Stirring Spirits," a fundraiser for The Center for Architecture and Design

When: Friday, October 7, 2011, 7:00-11:00pm

Where: COSI's English Plaza, 333 W. Broad St.

Why: Raising funds for Discovery District office

Attire: "Burtonesque," -- all black attire with artistic accessories of any color

For more information, click [HERE](#)

Bring some play money! Help support The Center through these "\$10 or less" options:

- 'Name that building' in our Columbus skyline
- Learn about distilled spirits and share an Oyo tasting from Middle West Spirits
- Get a new "do" to enhance your look provided by creative students
- Dramatic make up tricks a la Helena Bonham Carter, also provided by creative students
- Professional-- but casual-- photos of you and your friends
- Vote for your favorite Burton-themed 'tablescape' designed by student teams

LICHTENSTEIN DISTINGUISHED LECTURE

HUMAN RESPONSE TO FLOOR AND FOOTBRIDGE VIBRATIONS

Date: Thursday, December 1, 2011

Time: 1:30 PM

Location: The Ohio State University
Robert Smith Seminar Room
Physics Research Building
191 W. Woodruff Ave.
Columbus, OH 43210

Floor vibrations are probably the most critical serviceability issue for steel framed buildings. Today's more efficient floor systems together with sparse office-fit out require designers to carefully consider vibration concerns due to all types of human activity. In particular, office fit-out has dramatically changed in the last decade resulting in many floor vibration problems because of the lack of mass and damping. Rhythmic activities in office buildings, such as aerobics in health clubs, have also generated significant problems in the form of complaints from occupants elsewhere in the buildings. Equally important is the vibration, both vertical and lateral, of footbridges. Recent lateral vibration problems with footbridges in the United Kingdom and New Zealand have caused

closure and required extensive retrofitting. A general overview of human response to floor and footbridge vibrations, including recommended design procedures, will be presented. Criteria in the AISC/CISC Design Guide 11 *Floor Vibrations due to Human Activity* and that from recently completed research will be discussed.



Lecturer Tom Murray is Emeritus Professor of Structural Steel Design at Virginia Tec and the principal author of the AISC/CISC Design Guide 11, "*Floor Vibrations due to Human Activity*". He received his Ph.D. in Engineering Mechanics from University of Kansas in 1970, has authored nearly 200 papers, and made over 250 presentations to structural engineering groups worldwide. He has received excellence in teaching awards from the University of Oklahoma, Virginia Tech, and the Commonwealth of Virginia. In 2002 he was elected to the National Academy of Engineering and in 2009 received the ASCE Ernest E. Howard Award.

141st ASCE CIVIL ENGINEERING CONFERENCE

The 141st Annual Civil Engineering Conference will be presented by ASCE National from October 20 - 22 in Memphis, Tennessee. The theme of this year's conference is "Sustainable Infrastructure - Civil Engineering Solutions."



According to ASCE, "a sustainable civil infrastructure provides environmental, economic, and so-

cial well-being, now and for the future." As stewards of the natural and built environment, civil engineers have a leadership role in every facet of sustainability: in practice, in political advocacy, and in education. Be a part of defining the solutions and building a socially responsible and sustainable world.

For additional information, a list of programs, or to register, click [HERE](#).

2011 - 2012 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Location	Coordinator
Thursday, October 20, 2011 Lunch	City of Columbus Delaware Upground Reservoir Project	Bridgewater Conf. Center	A.J. Smith/Tim Van Echo (ASCE)
Thursday, November 17, 2011 Lunch	Grange Insurance Audubon Center	Spaghetti Warehouse	Carrie Bremer (SEAOO)
Thursday, December 15, 2011 Dinner	I-71 Jeremiah Morrow Bridge	Arlington Cafe	Dane Redinger (ACI)
Thursday, January 19, 2012 Lunch	Ohio Elected Official	T.B.D.	T.B.D. (ASCE)
T.B.D., February 20-24, 2012 Lunch	Engineering Week	T.B.D.	Engineering Week Organizing Committee
Tuesday, March 27, 2012 Lunch	Dodridge Street Bridge	OSU Fawcett Center	Scott Roe (FCEO)
Thursday, April 19, 2012 Lunch	T.B.D.	OSU	Dr. Carolyn Merry (OSU)
Thursday, May 17, 2012 Lunch	ASCE President Elect	T.B.D.	Bob Redfield (ASCE)
June , 2012	Planning Meeting	T.B.D.	Michael Navabi (ASCE)
Friday, June , 2012	Annual Golf Outing	Darby Creek Golf Club	Jim Pajk (ASCE)

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.

Nov. 3-4, 2011	Chicago	Instrumentation and Monitoring Bootcamp: Measurements for Structural and Geotechnical Projects
Nov. 3-4, 2011	Chicago	Seismic Design of Highway Bridges
Nov. 16-18, 2011	Chicago	Structural Design of Buildings and Industrial Facilities for Blast Loads and Accidental Chemical Explosions
Nov. 17-18, 2011	Cincinnati	Leadership Development for the Engineer
Jan. 19-20, 2012	Chicago	Earthquake Induced Ground Motions ~Newly Updated
Feb. 9-10, 2012	Chicago	Pumping Systems Design for Civil Engineers
Feb. 23-24, 2012	Minneapolis	Progressive Collapse Mitigation: Practical Analysis Methods and Proven Solutions
March 7-9, 2012	Chicago	HEC-RAS Computer Workshop for Unsteady Flow Applications
March 29-30, 2012	Minneapolis	Introduction to Dam and Levee Safety, Evaluation and Rehabilitation
March 29-30, 2012	Chicago	Seismic Design and Performance of Building Structures

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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 November 3, 2011.
4960 Vulcan Avenue
Columbus, Ohio 43228*



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Central Ohio Section



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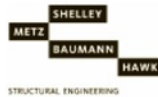
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