

# ASCE Newsletter

## Central Ohio Section

May, 2011  
Volume 15, Issue 9

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### MAY LUNCH MEETING

**Date/Time:** Thursday, May 12, 2011 - 11:30 A.M. - Registration - 12:00 P.M. - Lunch

**Location:** The Blackwell Inn (The Ohio State University) – Ballroom “C” - 2110 Tuttle Park Place  
Columbus, Ohio 43210

**Speaker:** Andrew W. Herrmann, P.E., SECB, F.ASCE ASCE 2011 National President-Elect

**Topic:** **ASCE's Strategic Initiatives**  
Our special guest speaker is Andrew W. Herrmann, P.E., SECB, F.ASCE who is the current ASCE National President-Elect. Mr. Herrmann is coming in from Pittsburgh where he is a principal with Hardesty & Hanover, LLP. During the past 37 years at Hardesty and & Hanover, LLP Andrew has held many positions including structural detailer, structural engineer, project engineer and associate engineer before becoming a managing partner and then principal. Mr. Herrmann will begin his presidency with ASCE Nationals in the fall of 2011. Please join us as President-Elect Herrmann presents the ASCE's Strategic Initiatives in 2011 and beyond.

**Menu:** Blackwell Salad (Fresh Field Greens w/ Seasonal Berries, Roasted Corn, Candied Pecans and Port Wine Vinaigrette, Barbecued Chicken Breasts (Boneless Chicken Glazed w/ Sun-Dried Strawberry and Chipotle Barbecue Sauce) served w/ Roasted Redskin Potatoes, Seasonal Vegetables, Fresh Peach Salsa and dessert: Coffee, Water and Iced Tea.

**CPD Hours:** No Continuing Professional Development (CPD) hour will be issued.

**RSVP:** Registration is due by 5 PM on Friday, May 6, 2011. Late registrations and walk-ins may not be accepted. Registration fees may still be required for no-shows and registrants canceling after May 6, 2011. Register and pay [online](#) with a credit card, or contact Mike Mazzoli at (614) 876-8000, or [register@centralohioasce.com](mailto:register@centralohioasce.com).

**Cost:** \$20 ASCE Members & Guests - \$15 ASCE Life Members - \$10 Students.

**Payment:** The preferred method of payment is [online](#) before May 6, 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.

**Parking:** The Blackwell provides valet parking and there is additional self parking option at the nearby Lane Avenue Parking Garage (2105 Neil Ave. [CLICK HERE FOR INFO](#)) or Tuttle Park Place Parking Garage (2050 Tuttle Park Pl [CLICK HERE FOR INFO](#)). Both Parking options will be paid by the meeting attendee, parking is not included in the luncheon fee. Parking costs are \$2 per hour for the first 3 hours.

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LETTER FROM THE PRESIDENT

Well, it is truly difficult to believe that it is already May and my year as President and my five-year term on the Board is quickly coming to an end! It has been a great experience! I've gotten to know so many new people the past five years, and it has truly been a pleasure to work with the other Board members.

I hope you can all join us for the May awards luncheon, where the new officers will be sworn in, including incoming President, Mike Mazzoli. We will also be honoring our newest Life Members and will be presenting the Outstanding Central Ohio Civil Engineer of the Year Award and the Outstanding Section Member of the Year Award. In addition, the ASCE National President-Elect, Andrew Herrmann, will be our guest of honor and speaker. This year, the luncheon will be held at the Blackwell Inn on the campus of The Ohio State University on Thursday, May 12. For more details on this event, please see page 1 of this newsletter.

We also have some events coming up next month. Our annual June Planning Meeting will be

held on Wednesday, June 15th from 6 to 8 PM at Tommy's Pizza in Dublin. The Planning Meeting will help us generate monthly meeting topics for the upcoming year. Please contact Adam Rich ([arich@riverconsulting.com](mailto:arich@riverconsulting.com)) by June 8th if you would like to attend the meeting.

Also coming up in June is our annual Golf Outing, which will be held on Friday, June 24th at the Darby Creek Golf Course in Marysville, Ohio. For more information about this event and our other upcoming events, please visit our website, [www.CentralOhioASCE.com](http://www.CentralOhioASCE.com). Be sure to sign up to be on our email list, too, so you can receive updates, event information and reminders via email.

Have a wonderful May & a great summer!

Thank you, Julie L. Pickering, PE, M.ASCE  
[President@CentralOhioASCE.com](mailto:President@CentralOhioASCE.com)

15TH ANNUAL GOLF OUTING

When: Friday, June 24, 2011 - 11:00 a.m. shotgun start. Driving range is free and available 1 hour before tee time, all golfers must be in their carts and ready to go by 10:40 a.m.

Where: Darby Creek Golf Club, Marysville, OH

Format: Our Popular 2 person Mixed Format - 6 holes Alternate Shot, 6 holes Best Ball, 6 holes Scramble

Cost: \$70.00 per person. Includes greens fees, cart, range balls, lunch, steak and chicken dinner, those Pies and prizes.

*Great Hole Prizes and Giveaways - Proceeds benefit the Younger Member Group, Civil Engineering Career Day and Minority Student Engineering Program*

We are also looking for companies to be hole sponsors for \$100 or to be a lunch, dinner or beverage cart sponsor for \$250!

Any questions, call Jim Pajk at 614-525-3021.



MOTORCYCLE RALLY & DINNER

ASCE is offering a motorcycle tour for non-golfers in coordination with the ASCE golf outing on June 24. The cost will be \$35 for dinner at the Darby Creek Golf Course, located between Plain City and Marysville. We typically start the ride from the McDonalds at Rt. 161 and Avery-Muirfield Dr. in Dublin at about noon, and finish at the golf course between 4 and 5 pm, taking back roads to the northwest of Columbus, with a stop at some notable (or not so notable) sites in that



area. It is a great cycling location, the food back at the golf course is good (prepared by the younger member group), and it is a chance 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).

**OFFSHORE PRODUCTION - LESSONS LEARNED**

When: Friday May 27, 2011 - 10:30am

Location: 410 Hitchcock Hall, 2070 Neil Avenue, The Ohio State University, Columbus, OH 43210

**Topic: Lessons Learned about Offshore Production Facilities in Recent Hurricanes**

Four of the strongest hurricanes on record recently passed through the offshore oil and gas facilities in the Gulf of Mexico: Hurricane Ivan in August, 2004, Hurricane Katrina in August 2005, Hurricane Rita in September 2005 and Hurricane Ike in 2008. The cumulative impact of these storms was significant, with hundreds of platforms destroyed, tens of billions of dollars in property loss, and several hundred million barrels of oil production removed from the U.S. oil supply. Remarkably, however, there were no fatalities or injuries to offshore workers because they were successfully evacuated in advance of each storm. This talk will address what happened and what we have learned from these intense hurricanes. Topics will include hurricane forces, the response of structures and foundations, wave-induced mudslides, and the overall performance of facilities such as temporary drill rigs, permanent production facilities and pipelines.

The speaker, Dr. Robert B. Gilbert, PhD, PE, is the Brunswick-Abernathy Professor in Civil,

Architectural and Environmental Engineering at The University of Texas at Austin. He joined the faculty in 1993. Prior to that, he earned B.S. (1987), M.S. (1988) and Ph.D. (1993) degrees in civil engineering from the University of Illinois at Urbana-Champaign. He also practiced with Golder Associates Inc. as a geotechnical engineer from 1988 to 1993. His expertise is the assessment, evaluation and management of risk in civil engineering. Applications include building foundations, slopes, pipelines, dams and levees, landfills, and groundwater and soil remediation systems. He teaches undergraduate, graduate and professional level courses. He conducts research supported by federal and state agencies and private industry. Recent activities include analyzing the performance of offshore platforms and pipelines in hurricanes; managing earthquake and flooding risks for the Sacramento-San Joaquin Delta in California; and performing a forensic analysis of the New Orleans levee failures.

The lecture is free. One (1) PDH credit will be offered for attending the lecture and a certificate will be provided. Please RSVP to Carol Scott at [scott.30@osu.edu](mailto:scott.30@osu.edu) - 614-292-3533.

**BRIDGE-IN-A-BACKPACK WINS ASCE AWARD**



ASCE's 2011 Charles Pankow Award for Innovation was awarded to the University of Maine's Advanced Structures and Composites

Center for the Bridge-in-a-Backpack System. The system uses superstructure components of carbon fiber reinforced polymer (FRP) composite arch tubes, which are lightweight and can be fabricated in the field. The tubes are filled with concrete, and eliminate the need for reinforcing steel. A concrete filled metal deck forms the arch over the tubes, and the remainder of the bridge is constructed similar to an ordinary arch structure. The system is lightweight, sustainable, and minimizes maintenance costs, and can be constructed in a fraction of the time of traditional bridges.

SEE VIDEO HERE

**EMPLOYER RECOGNITION AWARD**

The Committee on Younger Members (CYM) is seeking nominations for the 2011 Younger Member Employer Recognition Award.

young engineers in their organizations. A list of winning organizations will be submitted for inclusion in a Society publication and in the Younger Member Newsletter.

The Employer Recognition Award was created to recognize employers who support young engineers and assist with their personal development. CYM also awards two Superior Employer Recognition Awards (one public, one private) to the nominees who best display exemplary support of

Nominations must be postmarked by August 1, 2011. The nomination form, which describes the award in detail, is attached or available on the web site [HERE](#).

CENTRAL OHIO SECTION CAREER DAY

The Central Ohio Section of ASCE held their 11<sup>th</sup> annual Civil Engineering Career Day on April 20, 2011. There were 14 high school juniors in attendance from different schools throughout Central Ohio. The day started out with representatives from Turner-Bovis Lend Lease who gave us information and site visit of the over \$600 million dollar OSU ProjectONE construction. Over lunch at the OSU 4-H building, Dr. Carolyn Merry with OSU and Dr. Ken Walsh with OU presented to the students general information about civil engineering and their respective schools. We then made our way to the West Main Street Bridge Project Franklin County is completing

in Westerville where Jim Pajk and Mike Bashore educated students on bridge construction. The students provided positive feedback about their experience and their exposure to civil engineering. Thanks to all who helped make the program a success once again!



YOUNGER MEMBER GROUP SOCIAL

The Younger Members sponsored social event with national ASCE President-Elect Andrew Herrmann will be held at the Varsity Club (278 W. Lane Avenue, Columbus OH

43201) on Wednesday, May 11 from 5:00-7:00pm. It will be held inside the restaurant. Pizza and drinks will be provided. Everyone is welcome. No RSVP's needed.

US-33 NELSONVILLE BY-PASS SITE VISIT

On April 21, 2011 a group of 15 Ohio University Civil Engineering Students, ASCE Central Section members, ODOT staff, and representatives from Kokosing Construction toured Phase 2 of the three Phase US-33 Nelsonville By-Pass Project. The group was led by ODOT District 10 Deputy Director, Steve Williams, P.E. Mr. Williams showed the group several unique features of the project, such as one of the two massive Komatsu PC2000 excavators which have an 18 cubic yard, 25 ton bucket and burn 1,500 gallons of fuel per shift; the 8-foot tall right-of-way fence with "jump-outs" installed to prevent deer from entering the right-of-way; a snake crossing tunnel

equipped with a sky light and snake fence to funnel the local



timber rattlesnakes under the roadway; a one million plus cubic yard fill area, and the location of several reclaimed clay mines.

After the tour the Annual ASCE Central Ohio Section Dinner meeting was attended by 35 ASCE Members and Guest at the new \$35 million, 100,000 square-foot Academic & Research Center located on the Ohio University Campus. Following dinner the Ohio University and Ohio State Student Chapters of ASCE gave reports of their activities over the past year and were presented with their annual contribution from the Central Ohio Section.

Prior to the student chapter reports ODOT District 10 Deputy Director, Steve Williams, P.E. gave an in-depth presentation of the US-33 Nelsonville By-Pass to the group, explaining the project from conception in the 1950s through current construction activities. The finished by-pass will be roughly 8.5 miles in length, have moved several million cubic yards of dirt, reclaimed existing coal mines with more than 500,000 cubic yards of grout, built: deer, snake, amphibian, and butterfly crossing through an existing national forest, and cost approximately \$173 million, which includes \$23 million for Phase 1 and \$150 million from the *American Recovery and Reinvestment Act* funds for Phase 2 and 3. The scheduled opening date for the project is July 31, 2013.

**2010 - 2011 CENTRAL OHIO ASCE MEETINGS**

Meeting Date	Topic	Location	Person Responsible
Tuesday, May 10, 2011	Ohio Engineers Legislative Day	TBA	Dave Pritchard
Thursday, May 12, 2011 Lunch	ASCE National President-Elect and Awards Luncheon	The Blackwell Inn at OSU	Mike Mazzoli
June 15, 2011 6 - 8 PM	Planning Meeting	Tommy's Pizza, Dublin	Adam Rich
Friday, June 24, 2011	Annual Golf Outing	Darby Creek Golf Course	Jim Pajk

**CALL FOR GEOTECHNICAL ABSTRACTS**

Sponsored by the Geo-Institute, ASCE will be publishing a Geotechnical Special Publication (GSP) volume titled "Foundation Engineering in the Face of Uncertainty" (subtitled "Site Heterogeneity, Property Variability, Risk, and Reliability-Based Design"), Honoring Professor Fred H. Kulhawy, Ph.D., P.E., G.E., D.GE, Dist.M.ASCE. Mohamad Hussein, Kok-Kwang Phoon, and James Withiam will serve as editors. Abstracts for proposed papers dealing with topics related to the main theme are being sought for consideration. Possible topics are:

- Geologic modeling for ground characterization
- Spatial variability (natural ground, modified ground)
- Test measurement errors (laboratory/field)
- Transformation uncertainties pertaining to design properties
- Soil/rock property statistics (distributions, correlations)
- Model/bias factors in design equations
- Probabilistic/reliability methods
- Random finite element methods
- Limit state design (ultimate, serviceability, economic, etc.)
- Reliability-based design (RBD)
- Simplified RBD (partial factor design, LRFD, MRFD, etc.)
- Bayesian updating (from quality control, load tests, monitoring, etc.)
- Risk assessment and management
- User-friendly design/analysis tools
- Role of field measurements and testing in improving reliability
- Case histories

Deadline for a maximum 300-word abstract is July 31, 2011. Finished manuscripts are expected in July 2012. The GSP will be released at a specialty symposium during the G-I's 2013 annual meeting. All papers will be subjected to the standard ASCE technical papers review process. E-mail your abstract to Mohamad H. Hussein at: [MHussein@pile.com](mailto:MHussein@pile.com).

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**BOARD MEETING**

*Our Next Board Meeting Will Be in August, 2011. Location T.B.D.*



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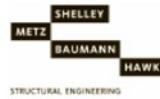
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