



American Society of Civil Engineers

Southeast Michigan Branch

The Official Newsletter of the American Society of Civil Engineers SE MI Branch – October 2009



Dear ASCE Southeast Michigan Branch members:

Welcome and Branch Officer Elections

Fall is here and with it the cooler weather that signals winter isn't far away. It also means that ASCE programs and events are in full swing.

During October there is one event planned. October 30th is CYM's Haunted Hayride event at Blake's Big Red in Armada. I'm sure they would love to see more than just CYM members at this event.

For the month of November we see the technical programs coming fast and furious. The first program is on Thursday, November 5th at Vladimir's in Farmington Hills. It is a lunchtime program brought to us by the branch Transportation Committee. The topic will be Instrumentation for Bridge Projects. Chris Byrum from SME is the lead speaker. (See attached flyer).

On November 19th Engineer's Without Borders (EWB) is having its monthly meeting at the Engineering Society of Detroit's (ESD) offices in Southfield. The meeting begins at 6 p.m. Also on November 1st EWB is having there 2nd Annual Running

for Water event in Milford (see attached flyer).

The second program is on December 2nd and will include a tour of the Delhi Township wastewater treatment facility and a program on the plant digesters. This program is being done in cooperation between the Environmental Committee of the Southeast Branch and with the Lansing Branch of ASCE. Additional information will follow in next month's newsletter.

Reminder: This newsletter is now distributed entirely by email, so please remember to update your email address if it has changed, or will soon be changing.

Board Meetings

Monthly Board meetings now take place the first Wednesday of each month. As always, everyone is welcome to attend the Board's monthly meetings to discuss ideas and get involved in the Branch. Board meetings begin at 7 am at Nello's in Royal Oak. Nello's is located at the Southeast corner of Woodward Avenue and Lincoln Street. The November meeting will be on the 4th.

Programs: There are currently additional technical and professional programs being planned for early 2010. We will have

information on them in next month's newsletter.

CYM Meeting: The next monthly meeting of CYM is scheduled for Friday, October 30th at 7 p.m. at Blake's Big Apple in Armada (see attached flyer).

Branch E-Mail / Website / Newsletter Info
Please continue to update your email address with your current President-Elect. The branch website is now actively updated monthly and can be found at www.ascsesoutheast.org .

The Southeast Branch of the American Society of civil engineers publishes the Branch Newsletter monthly. Please contact Kent Early via email at kent.early@ohm-advisors.com, with questions on placing information in the newsletter, changes in email address and for any suggestions or comments. Thank you.

**SEE BELOW FOR
SOUTHEAST BRANCH
DATES TO REMEMBER AND
UPCOMING PROGRAM
INFO!**

Engineer's Without Borders meeting at 6 p.m.
(Engineering Society of Detroit offices in Southfield)
October 16, 2009

CYM's Haunted Hayride (Blake's Big Red Orchard
in Armada) October 30, 2009

Branch Board Meeting November 4, 2009

Instrumentation on Bridges (Vladimir's in
Farmington Hills) November 5,
2009

Delhi Township Wastewater Treatment Plant Tour	December 2, 2009
Branch Board Meeting	December 2, 2009
Student Night (at LTU)	February 2010
SE Branch Annual Meeting	May 2010
15 th Annual CYM Golf Outing (Greystone Golf Course)	June 2010
CYM Tiger Game Night	Summer 2010

AMERICAN SOCIETY OF CIVIL ENGINEERS

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Branch Website

<http://www.ascesoutheast.org>

PRESENTS:

Three Geotechnical Instrumentation Projects in Michigan: Sheet Pile Bending, Controlled Failure of Flood Control Embankment, Fully Remote System for Bridge Approach Embankment Settlement

Presented By:

Mr. Christopher R. Byrum, PhD, PE
Senior Project Consultant
Soil and Materials Engineers, Inc.

This presentation describes key features from geotechnical instrumentation studies for three construction projects in Michigan. The instrumentation systems range from simple and manual, to complex dial-up automated systems. Emphasis is placed on connecting the instrumentation data to engineering theory, using back-calculation techniques. Case 1 describes a roughly 10-ft tall sheet pile wall constructed in a peat marsh about 20 feet deep. Case 2 describes a vibrating wire pore pressure and settlement system used for a flood control embankment built over about 30 feet soft to very soft clay. Case 3 describes a fully remote dial-up instrumentation system for pore pressure and settlement used for a bridge approach embankment constructed over weak organic soils extending to about 50 feet deep.

Date: Thursday, November 5th, 2009

Place: *Vladimir's* Montengro Room
28125 Grand River, Farmington Hills, 48336 248-477-8050
(On EB Grand River, just west of Eight Mile Road)

Agenda: 11:30p.m. – 1:00 p.m. Lunch and Presentation
Buffet, salad bar, and dessert

Cost: \$20.00 Per Person (ASCE, ITE and WTS Members)
\$25.00 Per Person (Non –Members)

Please mail checks payable to:
ASCE Southeastern Branch

R.S.V.P By: October 29th, 2009

To: Steven Werling, P.E.,
Geopier Foundation Company

Phone: (734) 474-3391 **e-mail:** stevewerling@geopier.com

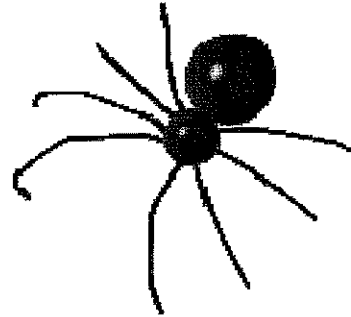
ASCE CYM Fall Event:
Haunted Hayride, Barn & Cider Mill

Date: Friday, October 30, 2009

Time: 7pm

Where: Blake's Big Apple
71485 North Avenue
Armada, MI 48005

Cost: \$15 per person

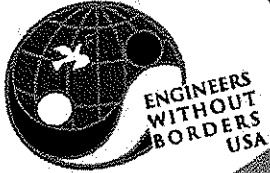


Come out and join ASCE CYM for a frightful night of haunted hayrides and barns while meeting new faces! The night will also include a concert by the "Killer Bees." Cider and donuts will be available for purchase at the event through the cider mill.

If interested in attending this event, please email Dana Suggitt, ASCE CYM Vice President, at dsuggitt@sda-eng.com.



Engineers Without Borders Detroit Presents:



2ND ANNUAL RUNNING FOR WATER 2009

5K RUN

& 1 Mile Fun Run!

SUNDAY NOV 1ST

10 AM at the Milford Public Library

HELP RAISE MONEY FOR ENGINEERS WITHOUT BORDERS'
WATER DISTRIBUTION SYSTEM IN BUENOS AIRES, HONDURAS

This years theme:

Cider and
Doughnuts!

EARLY BIRD

TURKEY TROT

with Seasonal Prizes and Free T-shirts!

REGISTER ONLINE at WWW.ACTIVE.COM

KEYWORD: ENGINEERS WITHOUT BORDERS

MORE INFORMATION AT OUR WEBSITE

WWW.EWB-DETROIT.ORG

OR CALL *Shannon Reeves* AT (248) 343-9958

