

Although summer is here and the living should be easy, it is the start of the preparation period for a very busy autumn in West Tennessee.

141st ASCE Annual Meeting Update



Hopefully you already know that the 141st ASCE Annual Meeting is being held right here in West Tennessee. Memphis will be hosting the Sustainable Infrastructure themed meeting between October 20th and 22nd, 2011. The local branch is working with Section, Regional, and National to host a great Annual Meeting. Besides the business meeting, general sessions, and concurrent sessions, the Annual Meeting will also feature tours, preconference short courses, and a community service project. You can find out more about the meeting at <http://content.asce.org/conferences/annual2011/index.html>, but here's a preview.

Tours – Available on first come, first served basis and requiring a separate registration fee from the Annual Meeting.

- Beale Street Landing – Wednesday 10/19/2011, 2:00-3:00 pm
How do you provide modern day ADA compliant riverboat docking at a site where the Mississippi River fluctuates in elevation up to 50 feet in any given year? And how do you moor a 400-foot floating dock to the shore without using a lot of ugly vertical piles to spoil the view? Come to Beale Street Landing, located at the foot of historic Beale Street to see how these engineering challenges were met in a very unique way.
- BNSF's Memphis Intermodal Facility - Wednesday 10/19/2011, 2:00-4:00pm
BNSF's Memphis Intermodal Facility, the newest in the BNSF system, opened April 21, 2011 after a \$200 million expansion and rebuilding. The intermodal facility doubled BNSF's lift capacity in the Memphis market and improved efficiency while also reducing emissions and helping to improve air quality. The new Memphis Intermodal Facility features a streamlined automated gate system for trucks as they enter and exit the Memphis Intermodal Facility, which uses digital cameras to record images of containers, chassis and tractors.
- AutoZone Headquarters - Wednesday 10/19/2011, 3:30-5:00pm
This tour is a follow-up to the **Seismic Engineering in Memphis Short Course** (more info later in this newsletter) and will provide a walk through inspection of the unique earthquake design incorporated into the construction of this building. The design incorporates some 56 base isolators fabricated in Japan, tested in New Zealand, and then installed during construction. These isolators allow some 24 inches of lateral motion and all of the building utilities also incorporate earthquake design.

- University of Memphis' Cecil C. Humphrey's School of Law - Saturday 10/22/2011, 2:30-4:00pm
The University of Memphis - Cecil C. Humphreys School of Law Building is an outstanding example of adaptive reuse. The conversion of this building not only transformed an outdated, underutilized facility into a historically preserved totally functional state of the art educational facility, but also succeeded in bringing new life to downtown Memphis. Come see the \$42 million dollars worth of renovations now meeting the current seismic and standard code requirements.
- Port of Memphis with CNCSX Intermodal Facility - Saturday 10/22/2011, 2:30-4:30pm
Come see the International Port of Memphis; the second largest inland port on the shallow draft portion of the Mississippi River, and the fourth largest inland Port in the United States. The International Port of Memphis covers the Tennessee and Arkansas sides of the Mississippi River from river Mile 725 to mile 740. Attend this tour and discover the number of waterfront and terminal facilities moving products on the river within this 15-mile span.

Short Courses - Wednesday, 10/19/2011, 1:00-5:00 pm. Separate registration fee from Annual Meeting required. Discounted early registration fee is \$160. Short course registration opens the week of June 13 at the main conference website. Select one of three sessions noted below. Each session will feature three 1-hour presentations and two 15-minute breaks.

- Session 1 - Structural and Emergency Engineering Operations
Benefit from lessoned learned from the FEMA levee certification process. Coupled with wisdom from emergency response teams and the infrastructure issues they face, this is not a course to be missed!
Session 1 Presentations:

The FEMA Levee Certification Process: Lessons Learned. Joe File, AMEC Earth & Environmental, Inc.

The Pentagon –September 11, 2001, An Overview of Search and Rescue Operations from an Engineering Perspective. Leo J. Titus, Jr., ECS Mid-Atlantic, LLC

TBD



- Session 2 - Concrete Design Issues for Large Structures Over Time
In this course, discover what presenters have to offer regarding the design and concrete growth issues at Chickamauga Lock and the challenges arising during its design and construction.
Session 2 Presentations:

San Vicente Terminal International in Talcahuano, Chile. Aaron Goldberg, S&ME, Inc

Performance Review of the Existing Chickamauga Lock. Peter Zimmerman, ARCADIS U.S., Inc.

Chickamauga Lock, Problems, Design, and Construction. Wayne Huddleston, U.S. Army Corps of Engineers - Nashville

- **Session 3 - Seismic Engineering in Memphis**

Learn about seismicity issues in west Tennessee and how it has impacted building design. How did the Tennessee Department of Transportation handle the seismic retrofit of the I-40 bridge? Attend this course and discover for yourself.

Session 3 Presentations:

Seismicity in West Tennessee. Gary Patterson, University of Memphis, Executive Director with Tennessee Seismic Safety Commission

Seismic Retrofit of the I-40 Bridge Across the Mississippi River. Fred Stephenson, Robert Schamber, and David DeLeeuw, TRC Engineers

Earthquake Design for the AutoZone Headquarters Building in Memphis, TN. Mason Walters & Simin Naaseh, Forell/Elsesser Engineers, Inc., and Richard W. Howe, PE

Outreach - Sunday, 10/23/2011, 8:00 am-2:00 pm. No fee required.

ASCE's 2011 Annual Community Service Project is headed to St. Jude Children's Research Hospital to construct and mount scarecrows in their garden. Join colleagues for a day of fun and a bit of competition to see who can design the best scarecrow. Don't miss this pleasurable, free, and unique opportunity to benefit this important hospital's garden!

Volunteers Needed

Many volunteers will be needed for the Annual Meeting. If you are interested in learning how your help can assure that Memphis is a fabulous host, contact Claire Barnett, Volunteer Coordinator, at (901) 372-7962 or cbarnett@ensafe.com

Nominations Needed for Upcoming Branch Elections

In August, the Branch will be electing branch officers. Members will receive email information regarding voting. In the meantime, to have an election, we need candidates. The current Vice President, Doug Dietz, automatically advances to President while the current President, Stephanie Ivey, automatically advances to Past President. We will need to elect a Vice President, Secretary, and three Directors. If you would like to nominate someone or yourself, please contact Roger Meier at rwmeier@memphis.edu or (901) 678-3284. Your participation keeps our Branch viable.

ASCE West Tennessee Annual Golf Tournament



The 19th Annual ASCE West Tennessee Branch Golf Tournament was held on May 20, 2011 at the Glen Eagle Golf Course, in Millington, Tennessee. The tournament proceeds totaled nearly \$1500. All proceeds from the event have been donated to the Engineers without Borders - University of Memphis Chapter to support their outreach efforts. We would like to thank all the participants and sponsors for making the event so enjoyable and successful!

Student Chapter Officers Elected for Fall 2011

Before heading out for the summer, local student chapters elected officers for next fall. Congratulations!

The University of Memphis (UoM) Student Chapter Officers

President: *Sonya Ellis*

Vice President: *Kelsey Ford*

Secretary: *Jason Burton*

Treasurer: *Will Walker*

Conference Chair: *Darin Nelson*

Concrete Canoe: *M'Sapa Corely & Heather Crookshanks*

Steel Bridge: *Sonya Ellis*

Webmaster: *Sarah Girdner*

Christian Brothers University (CBU) Student Chapter Officers

President: *Katie Godwin*

Vice President: *McKenzie Shankle*

Secretary: *Evan Boulanger*

Treasurer: *Will Golden*

Conference Chair: *Aaron Lewis*

Social Events: *Blake Ward*

Webmaster: *Daniel Smith*

Fundraising: *Shawn Breckenridge*

University of Tennessee Martin Student Chapter Officers

President: *Grant Heinzman*

Vice President: *Cody McGee*

Secretary: *William Rogers*

Treasurer: *Kyle Williams*



Future Branch President Doug Dietz, in red, at the Annual Golf Tournament



Grape for Geeks

The UoM and CBU ASCE Student Chapters are planning the 2nd Annual Grapes for Geeks event. Proceeds from this wine tasting benefit the student chapters. Last year over 150 tickets were sold and the event had a net profit of \$700.00. This year the chapters are looking for sponsors, who will be recognized at the event and on the Grape for Geeks website (www.grapeforgeeks.org). Sponsor a tasting table for \$200, the stage for \$400, or the event for an open amount. Contact Roger Meier at rwmeier@memphis.edu or Kelsey Ford at keford@memphis.edu for more information.

The event is a fun evening out, so save the date. Friday, November 4, 2011, 6:30 pm to 9:00 pm at Just for Lunch (apparently that is a misnomer!)

Upcoming Section Meetings

The ASCE Tennessee Section Annual Meeting will be held on September 23, 2011 in Smyrna, TN. Events include workshops. Preliminary information is available at <http://tnasce.org/wp-content/uploads/2011/05/TennASCE-May-2011-Newsletter.pdf>

Upcoming Branch Meetings

September 2011

The September Branch meeting is always a great one to attend! Attendees will listen to an interesting speaker, partake of a great dinner, and witness the induction of the 2011-2012 Branch officers. This year's speaker is Mr. Dexter Muller, Senior Vice President, Community Development, Greater Memphis Chapter. More details to follow on the exact date, time, and venue. We hope you'll plan to join us!

October 2011

There is no monthly Branch meeting in October. Go to the 141st ASCE Annual Meeting and Pre-Conference Short Courses instead!

Contact Us

Have a brilliant idea for a Branch meeting speaker or topic? Is there a continuing education topic you would love to see presented? Are you wondering how to get involved more in ASCE? Want to know where this Newsletter is posted in case you accidentally delete it? There are lots of ways to get in touch with the West Tennessee Branch, but here are the best...

Website

www.ascewtn.org

Tom Lawrence
(901) 237-4819

asce@ascewtn.org

Newsletter

Nicole Craven
(901) 363-6355 ext 234
ncraven@bh-ba.com

President

Stephanie Ivey
(901) 678-3286
ssalyers@memphis.edu

Help Wanted

Webmaster volunteer needed for the ASCE Tennessee Section. Interested? Contact Chris Triplett at ictriplett@bwsc.net