

MARCH 2010



SOUTH CAROLINA SECTION NEWS

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PRESIDENT'S MESSAGE

National Engineers Week Held in February



National Engineers Week was recently held February 14-20, 2010. Hopefully you were able to celebrate and promote our profession. Even though Engineers Week is behind us, we need to continually let our communities know what engineers do and why it is important. The National E-week Foundation sums it up like this:

Engineers use their imagination and analytical skills to invent, design, and build things that matter. They are team players with independent minds who turn ideas into reality. By dreaming up creative and practical solutions, engineers are changing the world all the time.

Engineering has been called the "invisible" or "stealth" profession. Everything around us and that we use every day has been engineered in some way, yet we may not see the engineers behind the scenes or know much about engineering. Engineering is not part of our grade school education.

The engineering field is as varied as engineers themselves. Engineers can design and build superstructures or delicate medical instruments. Engineers are exploring for energy and for new worlds in space. They are designing the environmental controls for an art museum or directing global sales of today's hottest cars and computers. Who knows where the next great challenges will be?

As civil engineers, our work is often overlooked until a failure happens such as a sink hole or bridge collapse. And the world around us quickly forgets that the water they get from the tap, the roads we drive on, and the buildings we live and work in are the results of civil engineers. Take the opportunity to celebrate engineering year-round by talking with local community leaders, school kids, and others you come in contact with away from the office. Be proud of your contributions as an engineer!

Kevin Krick, PE, LEED AP
SC Section President

Explore Engineering at ASCEville



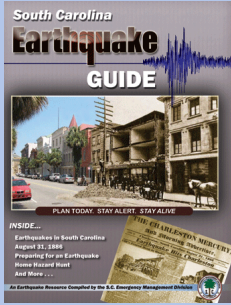
ASCEville.org, a new kid-friendly Web site, is designed to show that civil engineering is creative, rewarding and plays a vital role in our everyday life. The site's fresh approach includes engaging graphics, interactive activities and compelling stories of inspiring young engineers. "We're providing children with a fun, online village where they can see how civil engineers make a difference in our world," explains ASCE President Wayne Klotz, P.E., D.WRE. Parents, educators, and school counselors also will find valuable information about the history of engineering, engineering disciplines and career fields.

To visit the site, click on this link:
<http://content.asce.org/asceville/index.html>



NEWSLETTER

Earthquakes in South Carolina



The Palmetto state has a seismic past and will, no doubt, tremble again as quakes shake the ground beneath our feet. Earthquakes are not an uncommon occurrence in South Carolina. The most recent Earthquake in the Lowcountry reached a 3.6

Magnitude. The South Carolina Geological Survey (SCGS) is interested in making South Carolinians aware of our seismic past, what causes our earthquakes, what is being done to reduce the losses that will result from future quakes, and what you should do before, during, and after an earthquake.

South Carolinians need to realize that South Carolina faces the possibility of the occurrence of a strong quake having its epicenter within our borders. We also need to realize that a major earthquake anywhere in the Eastern United States could adversely affect us, causing damage.

The South Carolina Earthquake Guide, pictured above, is available for download on the SC Department of Natural Resources website: <http://www.dnr.sc.gov/geology/earthquake.htm>. The site also provides a classroom presentation, a brochure for download, and earthquake history.

What can you do to be prepared? During an earthquake, if at home, avoid windows and objects that could fall. If possible, get under a sturdy table, desk, or bed, or stand in a doorway. If in a public building, avoid stairways and elevators and don't run for exits. Get under a desk or table and avoid outside walls, especially glass walls. If outside, move to an area where you will be safe from falling trees, utility poles, or debris from buildings. If driving in a car, avoid bridges, underpasses, and overpasses. Bring the car to a stop and turn on the radio for information.

ASCE-SC Job Posting Service



If you are a South Carolina company with job openings, you may send them to Pamela Oree, at poree@schnabel-eng.com for inclusion on the website and in the newsletter. The job posting will be kept for one month, unless a special request is made for a longer posting.

We will also publish a summary of information for individuals seeking employment. Please provide your name, contact information, and desired position.

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SEMINARS & SHORT COURSES

GEOTECHNICAL

Construction Dewatering and Groundwater Control - Design and Application
April 29-30, 2010 • Memphis, TN

Soil and Rock Slope Stability
May 20-21, 2010 • Nashville, TN

HYDRAULICS & WATER RESOURCES

Streambank Stabilization for Restoration and Flood Control
June 16-18, 2010 • Charlotte, NC

Pumping Systems Design for Civil Engineers
August 19-20, 2010 • Norfolk, VA

Introduction to Dam and Levee Safety, Evaluation and Rehabilitation
September 16-17, 2010 • Charlotte, NC

STRUCTURAL

Wind Loads for Buildings and Other Structures
May 13-14, 2010 • Charleston, SC

Structural Condition Assessment of Existing Structures
June 10-11, 2010 • Memphis, TN

Structural Design of Buildings and Industrial Facilities for Blast Loads and Accidental Chemical Explosions
July 21-23, 2010 • Memphis, TN

MANAGEMENT & LEADERSHIP

Liability of Engineers: How to Stay out of Trouble
June 17-18, 2010 • Charleston, SC

Visit our website at www.ascesc.org for a full listing of short courses, seminars, and webinars. Pay a single site registration fee for a webinar and an unlimited number of people in your organization can attend.

ASCE Region 4 Assembly of Delegates and Governor's Meeting

Make plans to attend! The meeting will be held March 19-20, 2010 at The Charleston Marriott in



Charleston, SC. Registration options include the Friday afternoon and Saturday meetings and a Friday evening Lowcountry dinner. Registration information is included as an attachment with this newsletter. Contact Chuck Black at cblack@smeinc.com with questions.

New Date Set for ASCE Upstate Popsicle Bridge Competition

The second annual Popsicle Stick Bridge Competition will be held April 24, 2010 at the Carolina First Expo Center in Greenville, SC. All are invited to attend.



During the competition, students have designed and constructed bridges from popsicle sticks for load testing. The participants are members of the Greenville County Challenge Program and built the bridges at the culmination of classroom study on bridges. Bridges were load tested to failure or 100 lbs.

If you have any questions, please email Tom Hill at tom.edward.hill@fluor.com.

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