



America Society of Civil Engineers Tennessee Section

2014 - 2ND QUARTER

OFFICERS:

Josh Corum
President

Tom Lawrence
President Elect

Brandie Cookston
Vice President

Sandra Knight
Secretary

Ted Kniazewycz
Treasurer

President's Note

With spring behind us and the middle of summer now in full swing, I know this is a busy and enjoyable time of year for each of you. However, I want to remind and encourage you to make plans to attend the 2014 Annual Meeting to be held in Murfreesboro September 25th and 26th at the Embassy Suites Hotel. The Save the Date announcement went out in April and has registration and hotel information included. You can register online for the event by logging onto <http://tinyurl.com/AnnualMtg-Sept2014>. The Professional Development Program is included that lists the scheduled topics for this year, and provides up to 13 Professional Development Hours for attendees.

During this time of the year, we are all busy with vacations, cook outs, and other family activities, but this is also a time when your local Branch needs your support and attendance. Many of our Branches are busy organizing similar activities, in addition to regular meetings, and need volunteers and participants in order to make these events successful. I hope you stay safe and enjoy time with family and friends during the summer months, but please make time to support your local Branch.

I look forward to seeing each of you at the Annual Meeting in September.

Sincerely,
Josh Corum, PE
President, Tennessee Section

IN THIS ISSUE:

President's Note	1
Upcoming Events	2
Region 4 Report	2
Holston Branch	3
Knoxville Branch	5
Chattanooga Branch	6
Nashville Branch	6
West TN Branch	7
Section Officers and Committees	9

Upcoming Events

⇒ September 25-26—Annual Section Meeting: Murfreesboro (see attached flyer)

Region 4 Report

The ASCE Board of Direction (BOD) met in Arlington, VA on March 21 & 22, 2014.

The BOD received a status report on the society's web redesign project. The new website will launch in phases later this year. After a lengthy debate the BOD defeated the creation of a new 501(c)(6) organization, as requested by the LA Section. The Raise the Bar and Sustainability Strategic Initiatives Committees and the Committee on Advancing the Profession (CAP) all engaged in strategic dialogue with the BOD. The IMAX movie, *DREAM BIG!*, now has pledges of \$11m and may be completed by E-Week 2016.

Congratulations to the following award recipients in Region 4:

- ◆ Elected by BOD: Distinguished Member - Jesus de la Garza, Ph.D., NAC, Dist.M.ASCE
- ◆ (VA Section)
- ◆ 2014 Outstanding Faculty Advisor – Stephen Csernak, PE, M.ASCE (SC Section)
- ◆ 2014 Distinguished Chapter Award – Fairmont State University (WV Section)
- ◆ 2014 Ridgeway Finalist – Fairmont State University

The Region 4 Board of Governors recently approved three resolutions: first, in support of the society's Raise the Bar strategic initiative, the second on developing a society policy on the purpose of the PE exam and the third on increasing the regional allotment from the society's future budgets. We continue to use the 2013 ASCE Report Card to continue to educate the public and policy makers about the critical needs facing our country's infrastructure. The Tennessee Section, South Carolina Section, West Virginia Section and the Arkansas Section will release their state infrastructure report cards later this year.

I look forward to seeing many of you at our Fall Region 4 meeting in Newport News, VA on September 19 & 20, 2014; or at the next MRLC meeting in Miami, FL, on January 9 & 10, 2015.

I appreciate the opportunity to serve on the ASCE Board of Direction as your Region 4 Director. Please feel free to contact me about any issues concerning ASCE at the local, state, regional or national level. As Director, I am serving as your bridge between the Society's Board of Direction and the Region 4 Board from October 2012 to October 2015. phone: (919) 878-9560, email: dpeterson@rkk.com.

**"The Region 4
Board of
Governors recently
approved three
resolutions."**

Holston Branch Report

The Holston Branch completed our 3rd annual event for **Engineering Week Event for Scouts** at Northeast State Community College. The 3rd annual event had several last minute changes but continued forward with great success. The original date for the Webelos was rescheduled due to the snow, and was completed on Saturday, April 5th. The Girl Scouts were unable to register any girls so the Home Schooled children in the region took their place on February 22nd. The two events helped to expose over 200 children in the region to the wonderful world of Engineering. The children attended a total of 5 different sessions:



Holston Branch Report (cont.)

The Officers would like to personally recognize and thank Branch members, Mr. Ronald Crockett and Ms. Rebekah Stroupe.

The most critical component of this E-Week event is getting volunteers and without them, we would be unable to accommodate as many children as we do. Therefore, the Officers would like to personally recognize and thank Branch members, Mr. Ronald Crockett and Ms. Rebekah Stroupe, for volunteering their time to make a difference in the lives of the children of Northeast Tennessee and Southwest Virginia.

The Branch would also like to recognize on the support of East Tennessee State University's Survey Department, American Institute of Chemical Engineers, Eastman's Engineering Week Program, the faculty and staff of Northeast State Community College, and the volunteers from BSA Troop 113 who helped with registration and lunch. Additional financial support was provided by: American Bridge, ASCE Tennessee Section, Coal Services Inc., Date Engineering, Highlands Engineering, LLC., Littlejohn Engineering Associates, Mountain Fuels Inc., Realty Executives Bristol, Shelbee's Vintage Café, SSR Inc., Subway, Thompson & Litton, Tuck Mapping Solutions Inc., and Qk4.

The Branch would also like to thank Mr. Jacob Grieb for volunteering to be the Branch's Environmental and Water Resources Institute (EWRI) Representative. We also have additional representative openings for Geotechnical, Structural and Transportation Institutes.

The Branch also recognizes and welcomes the Tri-cities Tennessee Professional Chapter of Engineers Without Borders USA. Branch members are reminded that as members of ASCE, there is a [discounted membership](#) rate for becoming a member of EWB. For additional information about the [Tricities Chapter of EWB](#) contact, Ms. Lauren Johnson (Tri.Cities.EWB@gmail.com).

Future Branch meetings are be announced.

All of the latest Branch events can be found on the website calendar @ www.asce-holston.org. If you would like additional information about our branch or upcoming meetings please contact us at asce.holston@gmail.com (goes to the current President).

Sincerely,
Jennifer J. Moore, PE
President, Holston Branch

Knoxville Branch Report

The Knoxville Branch of the Tennessee Section met two times in the last quarter. The Knoxville Branch of the Tennessee Section held a Professional Development Seminar worth six (6) Professional Development Hours (PDHs) on Friday, March 28th at the Buddy's Banquet Hall in Knoxville. Branch meetings were held the second Tuesday of the month this quarter.

On February 4th, 2014, the Knoxville Branch held our monthly luncheon at the Oak Ridge Civic Center in Oak Ridge, Tennessee. The speaker was Mr. Chris Brown, P.E. with Gresham, Smith and Partners. Mr. Brown presented the Horizontal Directional Drilling Project under Fort Loudon Lake and Alcoa Highway.

The professionals of Gresham, Smith and Partners were involved in a number of aspects of a 16-inch diameter high pressure gas distribution main. As required by EPA emission regulations, the University of Tennessee is swapping all of their coal fired boilers at their central steam plant over to natural gas by November, 2015. To supply the required demand, KUB is constructing a new dedicated 16-inch diameter high pressure gas distribution main to serve the central steam plant. The first phase of the project consisted of approximately 10,000 linear feet of new steel gas main. The presentation focused on the design and installation of the HDD under Fort Loudon Lake and Alcoa Highway and covered other challenging aspects of the project. Approximately 40 people attended the meeting and a PDH was issued.

On February 11th, 2014, the Knoxville Branch sponsored two tables at the All Engineers Week Banquet hosted at the Knoxville Marriot. One table was reserved for Knoxville Branch general membership and the other table was reserved for the ASCE UTK Student Chapter. The guest speaker was Mr. George Hawkins, General Manager of the District of Columbia Water and Sewer Authority (DC Water).

On Friday, March 28th, 2014 a Professional Development Seminar worth six (6) Professional Development Hours (PDHs) was held and the following topics were presented:

- ◆ “New Code Provisions for Post Installed Adhesive Anchors set for by IBC 2012” by Kevin Davenport, P.E. (2 hours)
- ◆ “Common Modeling Errors: How to Prevent and Correct Them” by Dr. Stephanie TerMaath, P.E. (1 hour)
- ◆ “Computational Modeling of Failure at Interfaces in Structures and Materials” by Dr. Timothy Truster (1 hour)
- ◆ “The Innovative John Duncan Knoxville Station Transit Center” by Chris Kirby, P.E. (1 hour)
- ◆ “Things that effect Professional Engineering Decisions” by Dr. Gregory Reed, P.E. (1 hour)

A total of 41 people attended the seminar.

The Knoxville Branch continued our tradition of sponsoring the American Museum of Science and Energy (ASME) annual Bridge Building Contest. The Knoxville Branch donated \$100 to the contest which is open to junior and senior high school students throughout East Tennessee. Winners get trophies and cash prizes and the two top winners in the senior division are eligible to participate in the International Contest.

Chattanooga Branch Report

The Chattanooga Branch meets on the third Tuesday of each month. During our regular meetings, a technical presentation on a topic of current or broad interest is generally made by an invited speaker. Two of the monthly meetings each year are social events without a technical presentation.

- ◆ In April, David Bowling from TVA spoke to our branch regarding how TVA operates the TN River and its tributaries.
- ◆ May was our annual social event at a Chattanooga Lookouts game.
- ◆ In June, Kevin Herrit of TDOT presented information regarding TDOT's statewide transportation plan and solicited input from the audience.

We continue to benefit from good attendance numbers at recent meetings and are working to set up a strong speaker line-up for the remainder of the year.

In addition to our monthly meetings, the local officers are discussing preliminary plans for an annual fundraiser. These discussions have focused on a middle or high school student competition with proceeds being used to support a scholarship fund. We are also planning to get involved with the ASCE southeast student competition coming to Chattanooga next spring.

Sincerely,
Andrew Romanek, PE
Vice President, Chattanooga Branch

Nashville Branch Report

The first quarter of the calendar year is always a busy time for the Nashville Branch. We had regular meetings in January and March and there were several activities in February organized to help celebrate E-Week.

In January, we had our Branch Lunch meeting, where Mike Zoccola of the US Army Corp of Engineers was our speaker. We had a great turn out of over 100 guests to hear Mike speak about the completion of the barrier wall construction project at Wolf Creek. At that meeting, we also elected a new Branch Treasurer, Dustin Scruggs. The Younger Members Group had a Social Event at Zanies Comedy Club and organized our annual P.E. Review Course. The Branch has organized a review course for the last several years. The course raises money toward our scholarship fund and also assists engineers in preparing for the P.E. Exam.

*"We had a great
turn out of over
100 guests."*

Nashville Branch Report (cont.)

February was a busy month, especially around E-Week. E-Week activities included school visits, the annual Bridge Building Competition and TSPE All Engineers Banquet. ASCE volunteers participated in the Bridge Building Competition and several school visits across Middle Tennessee. We estimate that the volunteers interacted with at least 500 students between the events. Two ASCE members were honored at the TSPE Banquet. Monica Sartain was selected as this year's winner of the Young Engineer of the Year and Bob Higgins was awarded the Engineer of the Year. February was concluded with our annual Bowling Tournament. We had 21 teams participate this year and we were able to raise over \$2,100 for the scholarship fund.

In March, several ASCE members participated in the Engineers' Day on the Hill. This was a great opportunity for engineers to lobby to our state legislators and educate them on Bills that have an impact on our industry. The reports from Candy Toler, Executive Director of ACEC and TSPE indicate that almost 100 legislators were visited and our message was well received. George Kurz was our featured speaker at our March Branch Lunch meeting. George is one of our Local Life Members and has taken a great interest in infiltration and inflow (I/I) in sanitary sewers. He has been conducting a study of the sanitary sewer systems across Tennessee and presented his findings on I/I to date. Finally, our Younger Members Group hosted a Social Event at the end of March. Members and guests attended a Nashville Predators' Hockey game at Bridgestone Arena.

Our Branch continues to hold regular monthly meetings which are typically the third Thursday of the month and Board meetings are the following Wednesday. Everyone is encouraged to visit our website at www.nashvilleasce.org to learn more about the Branch's upcoming events and activities.

West Tennessee Branch Report

The Board meeting of Friday, January 10, 2014, was convened with a quorum present. Topics of discussion were approval of the previous month's minutes, discuss the details for the next branch meeting, give a report from the monthly Memphis Joint Engineers Council (MJEC) meeting attended by a West TN ASCE representative, discuss volunteers for the upcoming Mathcounts (2/5/2014) put on by TSPE, discussions about proceeds from the upcoming yearly Golf Tournament, and an update on Construction 2014.

The January Branch meeting was held on January 16, 2014. The meeting was held at EnSafe Inc., and the speaker was Joellyn Brazile from the TDEC Memphis Environmental Field Office. Approximately 40 attendees learned about how TDEC has restructured their organization to optimize the technical capabilities of their personnel.

The Board meeting of Friday, February 14, 2014, was convened with a quorum present. Topics of discussion were approval of the previous month's minutes, discuss the details for the next branch meeting which is a joint meeting with Society of American Military Engineers (SAME) and the Order of the Engineer Ceremony, give a report from the monthly Memphis Joint Engineers Council (MJEC) meeting attended by a West TN ASCE representative, an update on Construction 2014, and an update on the Deep South Conference.

West TN Branch Report (cont.)

“This was a joint meeting with SAME and was our largest turnout in recent history.”

The February Branch meeting was held on February 18, 2014. The meeting was held at the U of M Fogelman Executive Center, and the speaker was Pamela Skelton from EnSafe Inc. Pam discussed the issues of Ethics versus Liability, and how it relates to the Engineering profession. This meeting was attended by over 40 attendees from both ASCE and SAME. Also, the Order of the Engineer ceremony was held during this meeting, and 7 attendees were inducted into the Order.

The Board meeting of Friday, March 14, 2014, was convened with a quorum present. Topics of discussion were approval of the previous month’s minutes, discuss the details for the next branch meeting, give a report from the monthly Memphis Joint Engineers Council (MJEC) meeting attended by a West TN ASCE representative, an update on the 2014 ASCE Golf Tournament, an update on Construction 2014, and an update for volunteers for the 2014 Deep South Conference.

The March Branch meeting was held on March 20, 2014. The meeting was held at EnSafe Inc., and the speaker was Ian Engstrom from SSR Eilers Inc. Ian spoke about the construction update on the I-40/I-240 Interchange in Memphis. This was a joint meeting with SAME and was our largest turnout in recent history, with over 70 attendees from both ASCE and SAME.

The student chapters of Christian Brothers University (CBU), University of Memphis (U of M), and University of Tennessee at Martin have had regular meetings to discuss attending the 2014 Deep South Conference. The CBU chapter has also had several subsequent meetings to discuss conference details, since CBU is the 2014 host, and was held in Memphis, TN this year on March 27-29, 2014. The conference was an great success, and a recap of the weekend is being prepared by the CBU ASCE student chapter and will be given verbally on Friday morning, April 11, 2014 at the TN Section quarterly meeting.

Tennessee Section Officers and Committee Chairs

Stacy Date TN Section Past-President

Josh Corum TN Section President

Thomas Lawrence TN Section President-Elect

Brandie Cookston TN Section Vice-President

Ted Kniazewycz TN Section Treasurer

Sandra Knight TN Section Secretary

Matt Caskey Awards Chair

Chris Triplett Engineering Management Discipline Chair

Tom Lawrence Environmental Discipline Chair

Vanessa Bateman Geotechnical Discipline Chair

Ashley Smith Student Discipline Chair

Z John Ma Structural Discipline Chair

Joe Deering Transportation Discipline Co-Chair

Brian Reynolds Transportation Discipline Co-Chair

Clint Camp SAVE Coalition Representative

Tom Lawrence Membership Chair

Jane A. Matney Report Card Chair

Ashley Smith Website Manager

Ashley Smith Younger Member Chair

Mark Harrison EWB Liaison



Check us out on the web:

<http://tnasce.org/>

American Society of Civil Engineers, TN Section
American Council of Engineering Companies of Tennessee
and the Tennessee Society of Professional Engineers

2014 TENNESSEE ENGINEERS' CONFERENCE | SEPTEMBER 25-26



SUSTAINING ENGINEERING EXCELLENCE

The ASCE, ACEC, and TSPE 2014 Tennessee Engineers' Conference is the premier gathering for engineering professionals.

- Connect with colleagues and leaders from around the state who share similar interests and unique perspectives to participate in and establish lasting professional relationships.
- The best content - Explore the program developed by your peers and choose relevant interest areas.
- The best speakers - hear from industry experts to expand awareness of challenges across the engineering landscape and identify opportunities to affect change.
- The best solutions - see the newest technological innovations in the exhibit hall from companies showcasing their products and services.

Join us for:

- 13 PDH's
- The TEF Luncheon
- Welcome Reception
- Awards & Installation Luncheon

Embassy Suites Murfreesboro

1200 Conference Center Boulevard
Murfreesboro, TN 37129

For Hotel Reservations call:

615-890-4464
1-800-Embassy
Reference "ENG" for Group Rate
Deadline - September 4, 2014



ASCE - ACEC - TSPE 2014 TN ENGINEERS' CONFERENCE REGISTRATION FORM

REGISTRATION FORM

Name _____ Nickname/First Name for Badge _____

Employer _____

Names of Spouse / Guest / Children _____

Address _____ City, State, Zip _____

Phone _____ Email _____

FULL REGISTRATION - SEPT 25TH - 26TH

ASCE - ACEC - TSPE Members

- includes all seminars, meals, and meetings, but excludes ** TEF Luncheon

____ \$250 Per Member by September 12

____ \$350 After September 12

Non-Members / Walk Up Registrations

____ \$350 Per Person by September 12

____ \$425 After September 12

Government Employee Rate

____ \$175 Per Person by September 12

____ \$250 After September 12

SINGLE DAY REGISTRATION - SEPT 25TH - 26TH

Member-Single Day Thursday Sept 25th Friday Sept 26th

____ \$175 Day Registration by September 12

____ \$250 After September 12

Non-Member-Single Day Thursday Sept 25th Friday Sept 26th

____ \$225 Day Registration by September 12

____ \$300 After September 12

INDIVIDUAL OR SPECIAL EVENT TICKETS

Please indicate how many will attend the following events:

____ \$75 TEF Luncheon** (Thursday)

____ \$60 Welcome Reception* (Thursday)

____ \$25 Breakfast* (Friday)

____ \$40 Awards & Installation Luncheon* (Friday)

**TEF Luncheon tickets sold separately. *Tickets must be purchased for all extra guests. Tickets will be required for all meals.

*Please list any dietary restriction: _____

PAYMENT OPTIONS:

The link to Registration is available at www.acectn.org or you may pay by check. Sponsorship and Exhibitor registration information is also available at www.acectn.org.

Please mail checks only to: ASCE, Tennessee Engineering Center, 800 Fort Negley Boulevard, Nashville, TN 37203

For the TEF Luncheon only, make checks payable to the TN Engineering Foundation (TEF). **On-line registration, Sponsorship and Table reservation information for the TEF Luncheon is also available at www.acectn.org.

For the early registration discount, click the registration link provided at www.acectn.org or complete and mail this registration form with your check. All checks must be made payable to: ASCE. **Checks must be received in the TN Engineering Center office by Sept. 12 to receive the early bird discount.**

Questions? Please contact Judy Logue (jlogue@tnec.org), Candy Toler (ctoler@tnec.org) or call 615-242-2486. Your room reservations MUST be made directly with the Embassy Suites Murfreesboro by September 4, 2014. Call 615-890-4464 or 1-800-Embassy and provide "ENG" group code for the ASCE/ACEC/TSPE room rate of \$132.00. We have negotiated a special discounted hotel room rate. Your patronage of this official hotel makes it possible for us to secure the space needed for this event at a greatly reduced cost.

2014 TN ENGINEERS' CONFERENCE PROFESSIONAL DEVELOPMENT PROGRAM*

THURSDAY, SEPTEMBER 25, 2014

Track 1: Civil / Environmental / Structural	Track 2: Geotechnical	Track 3: Transportation	Track 4: Engineering Management	Track 5: Electrical / Mechanical / Industrial
<ul style="list-style-type: none"> • COE/EPA Jurisdictional Waters • Fracking in Tennessee • Vapor Intrusion-Old Problem, New Chemicals of Concern • KUB's Sewer Trunk line Assessment Program • Environmental challenges at St. Jude's Children's Hospital • Storm Water Visual Assessment • RRAT Tool for LID 	<ul style="list-style-type: none"> • Karst Issues • Case Studies 	<ul style="list-style-type: none"> • TDOT Asset Management Program • SR 29/US 27 Chattanooga Design and CEI • TDOT Audit Update • Everyday Counts FHWA 	<ul style="list-style-type: none"> • Ethics 	<ul style="list-style-type: none"> • Ethics
TENNESSEE ENGINEERING FOUNDATION LUNCHEON (tickets sold separately not included in meeting registration)				
<ul style="list-style-type: none"> • Successful Completion of Storm Water Visual Assessment Project • HEC-RAS 5.0 (Beta Release) comparison with HEC-RAS 4 • LID Panel, including Discussion of TN LID Contests 	<ul style="list-style-type: none"> • Challenging Geotechnical Sites • Foundations and Grout Modifications 	<ul style="list-style-type: none"> • New Highway Bill • TDOT Local Programs • TDOT Expedited Project Delivery • Nashville Airport 	<ul style="list-style-type: none"> • Project Management • Legal Challenges 	<ul style="list-style-type: none"> • Building Based Solar Arrays • Electrical Systems Testing • Retro-Commissioning Control Strategies • Air Flow Measurement
WELCOME RECEPTION AND TPE PAC AUCTION				

FRIDAY, SEPTEMBER 26, 2014

CONTINENTAL BREAKFAST

<ul style="list-style-type: none"> • Preserving older bridges & shrinking budgets • Advances in Buried Bridges • Wolf Creek Bridge over the French Broad River & Norfolk Southern Railroad: A Precast Alternate • Design of IH-35 Extradosed Bridges over the Brazos River • Tennessee Structural Assessment & Visual Evaluation • Designing Structures for Present & Future Sustainability 	<ul style="list-style-type: none"> • Materials 	<ul style="list-style-type: none"> • US 31 Indiana • Bridge over Ohio Design Build • CHA Middle East Work • TDOT Construction Update 	<ul style="list-style-type: none"> • Dealing With Challenging Employees • Accounting for Engineering Companies • Panel on Advantages of Having Outside Members on the Board of Directors 	<ul style="list-style-type: none"> • Student Competition
ASCE, ACEC, TSPE AND AWARDS AND OFFICER INSTALLATION LUNCHEON AE BOARD OPEN FORUM				

*The schedule is subject to change. For an update and additional details on the professional development, go to: www.acectn.org

TEF Luncheon

THURSDAY, SEPTEMBER 25, 2014 | 11:45 A.M.

Support the Tennessee Engineering Foundation by checking the sponsorship level of your choice listed below.

Please return this form to Judy Logue:

email: jlogue@tnec.org

fax: 615-254-1923

mailing address:

Tennessee Engineering Foundation
800 Fort Negley Boulevard
Nashville, TN 37203

SHOW YOUR SUPPORT SPONSOR THE TEF LUNCHEON

- Bronze: \$250**
(includes one ticket to luncheon)
- Silver: \$500**
(includes two tickets to luncheon)
- Gold: \$1,000**
(includes four tickets to luncheon)

LUNCHEON REGISTRATION FORM

- Tickets: \$75**
- Table: \$850**
(prime seating with company name on table)

All proceeds will be used to support future engineers through MATHCOUNTS, STEM-related activities and the TEF Scholarship Program. THANK YOU!

All donations are deductible to the fullest extent of the law. Please check with your accountant.

Name: _____

Company: _____

Address: _____

Phone: _____

Email: _____

*Please list any dietary restrictions:

**Please make all checks payable to the Tennessee Engineering Foundation (TEF). On-line Registration is available at www.tnspe.org.*

TEF table orders and/or sponsorships may be placed by contacting Judy Logue at jlogue@tnec.org, 615-242-2486.

DATE:

Thursday, September 25, 2014

TIME:

11:45 a.m.

Through your generous donations, the Foundation is able to provide scholarships, support MATHCOUNTS and other important STEM activities.

Please help us to continue these good works with your sponsorship and attendance at the 2014 TEF Luncheon.

We appreciate your support of the Foundation!

LOCATION:

Embassy Suites Murfreesboro
1200 Conference Drive
Murfreesboro, TN 37129
615-890-4464
1-800-EMBASSY

KEYNOTE SPEAKER:

2014 TEF Luncheon
Speaker TBA



Tennessee Society of
Professional Engineers

Tennessee Engineering Foundation
800 Fort Negley Boulevard
Nashville, TN 37203
Phone: (615) 242-2486
Fax: (615) 254-1923
Email: jlogue@tnec.org