

A LEVEL LINE

October 2018

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Key Contacts

Branch Officers

President - [Chris Gwaltney](#)
Past President - [Clint Camp](#)
President-Elect - [Suzanne Herron](#)
Vice President - [Kenneth Perkins](#)
Treasurer - [Dustin Scruggs](#)
Secretary - [Christian Reid](#)

Board of Directors

[Eric Gardner](#)
[Kevin McAlister](#)
[Monica Sartain](#)
[Ashley Smith](#)
[Kate McBreen](#)

Practitioner Advisors

Lipscomb - [Jeff Hooper](#) & [Michael Cochran](#)
Tennessee State - [John Brew](#) & [Ron Oniszczak](#)
Vanderbilt - [Ashley Smith](#) & [Kyle McLemore](#)
Tennessee Tech - [Patrick Leap](#) & [Tyler Marshall](#)

Committee Chairs

Awards - [Monica Sartain](#) & [Phillip Stuckert](#)

Greetings!

Thank you for your membership and participation in the ASCE Nashville Branch. I'm honored to serve you as the incoming President. My hope for the upcoming year is that you will find value in our organization's activities including; Branch luncheon meetings, Younger Member Group meetings (yes old people go to these too), technical programs, outreach volunteer opportunities, diversity and inclusion programs, sports activities (is poker really a sport?), networking opportunities, and the list goes on. I hope that you enjoy being an ASCE member so much that you talk a fellow engineer into joining. We plan to have incentive events that will encourage you to bring a non-member engineer to our luncheon meetings so that they can experience the networking and good food. The economy is great, hundreds of young engineers are moving to the Nashville area, and we want them at our events!

The Branch leadership has been reorganized in a way that will offer many more opportunities for members to participate in committee activities. If you have an interest in any of our committees we will find something for you to do that will benefit that group.

I am grateful for all that you do for the civil engineering community and especially for your participation in ASCE. Feel free to email me with any ideas you have that will make the Nashville Branch better.

Chris A. Gwaltney, P.E. M.ASCE
Nashville Branch President



Meeting Minute

Our October Branch Luncheon meeting will be Thursday, October 18 with a presentation entitled "Smart Mobility and You?". Presenters will be Steve Field, PE and Susan Marlow of Stantec. One PDH will be provided. Registration at the Science and Adventure Center begins at 11:15 AM; lunch will start

Quick Links

[Nashville Branch](#)
[TN Section](#)
[ASCE](#)

Stay Connected



2018 Sustaining Members

[Advanced Drainage Systems, Inc.](#)

[ATC](#)

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[Barge Design Solutions, Inc.](#)

[Benesch](#)

[Brown & Caldwell](#)

[CDM Smith, Inc.](#)

[Civil & Environmental Consultants, Inc.](#)

[Civil Site Design Group, PLLC](#)

[Dempsey Dilling & Associates, P.C.](#)

[ELI, LLC](#)

[Geotek](#)

[Ingram Civil Engineering Group, LLC](#)

[Jacobs](#)

[Lose & Associates, Inc.](#)

[Neel-Schaffer](#)

[Power Consulting Associates, LLC](#)

Educational Outreach - [Jane Camp](#) & [Brian Reynolds](#)
Newsletter - [Ashley Smith](#)
Scholarships - [Bill Forte](#)
Social Media/Webmaster - [Lily Moritz](#)
Sports - [Eric Gardner](#)
Sustaining Membership - [Mike Kusch](#)
Diversity & Inclusion - [Christian Reid](#)

YMG Officers

Chair - [Kate McBreen](#)
Past Chair - [Kyle McLemore](#)
Vice Chair - [James Ensley](#)
Secretary - [Lily Moritz](#)
Treasurer - [Caroline Davis](#)
Service Director - [Emily Waldon](#)
Social Director - [David Lahew](#)
Student Liaison - [Kenneth Frye](#)
PE Review Director - [Kenneth Perkins](#)
Technical Director - [Vacant](#)

promptly at 11:30 and the meeting should adjourn by 1:00 PM. Please RSVP by 5:00 pm on Friday, October 12. Click [HERE](#) to register. Contact [Suzanne Herron](#) for questions.

- The November meeting will be hosted by The Vanderbilt Student Chapter, Date - November 15, 2018. Dinner will begin at 6 pm.
- There will be no meeting in December. We hope you have a wonderful holiday season and we will see you again in January!

If you have an idea for a meeting topic, please send [Suzanne Herron](#) a message with your idea.

[Ragan-Smith Associates, Inc.](#)

[Sain Associates, Inc.](#)

[Structural Design Group](#)

[Trestles, LLC](#)

[T-Square Engineering](#)

Thanks to all of our sustaining members!

To renew your membership for 2018, please contact [Mike Kusch](#).

Upcoming Events

- Thursday, October 18th - Monthly Branch Luncheon (TEC): 11:30am - 1:00pm, "Smart Mobility and You?"
- Wednesday, October 24th - Monthly Branch Board Meeting (TEC Board Room), 11:30am - 1:00pm
- Thursday, October 25th - Topgolf Outing: 1:30pm-5:00pm
- Friday, October 26th - School of Rock (TEC): 8:00am-3:30am

New Members & Birthdays

Welcome to these new members:



Logan Alfano-Webb, Dakotah Beasley, Cameron Blevins, Nicholas Coates, Nathan Gaidos, Presley Gobbell, Andy Huber, Dylan Kelley, Tara Kemp, Elijah Kidd, Sheila Kimlinger, Tanner Lowhorn, Tyler

Milligan, Austin Montgomery, Jason Reyes, Sean Smith, Robert Sparkman, Jayaprakash Vadivelu, Juan Vazquez, Chris Wesnofske, Ashlei Wright, & Jack Yuill

Happy October Birthday to these members:

Bashar Alakayshee, Charles Albright, James Armstrong, Bernie Auld, John Ayala, Thomas Bailey, Rachel Bengert, Clarence Bennett, Jody Bomar, Bradley Bork, Kathryn Bowlby, Logan Bowman, Kurt Boyd, Benjamin Buergler, Clay



Christain, Samuel Coleman, Harvey Crouch, John Delano, Matthew Dowdle, Larry Franks, Ahmad Ghafoor, David Greaves, Matthew Hall, Michael Han, Nicole Hanke, Jonathan Hardin, Craig Hendrich, Robert Higgins Jr., Nathan Holman, Tinotenda Jonga, Elijah Kidd, Carlos Lopez, Kurt Ludwig, Sankaran Mahadevan, Tony Mancini, Brian Martz, Nathan McVey, Nathan Miller, Antonio Montiel, Garry Monts, Stanley Notestine, Benjamin Pardue, Michael Paris, Valarae Partee, Wendy Paulson, Richard Phillips, Richard Rinks, Mariluz Rivera Dorado, Dominick Romano Jr.,

Ashley Rose-Nalin, Devinder Sandhu, William Scott, Dustin Scruggs, Jim Shankle, Benjamin Shepard, John Slayton, Xiangming Sun, Douglas Tarbett, Robert Tolbert, William Vecchione, David Wright, Carlos Yepez, & Ay John York III

Free PDH and Membership Reminder



We've had another great year for the Nashville Branch of ASCE. I trust that you've been able to participate and take advantage of the many benefits of having a membership. We would

like to encourage you continue your membership with ASCE into 2019. To complete your renewal please use the link we have provided [here](#).

Also don't forget that your membership comes with 5 PDHs, 35 technical Journals and 250 Civil engineering news topics.

2018 School of Rock

Save the Date: Oct. 26, 2018!

The 2018 School of Rock will be on October 26th at the Tennessee Engineering Center. View the [flyer](#) for more information. You can register online [HERE](#). RSVP by October 19th. Contact [Mike Kusch](#) with questions.



Sports

Topgolf on October 25th!



Please join us for our first ASCE Nashville Branch outing to Topgolf Nashville on Thursday, October 25, 2018. ASCE has reserved a number of bays for this event. Topgolf features climate-controlled hitting bays, fitted with fans and heaters that are ideal in almost any weather

conditions. Topgolf is ideal for all golfers, regardless of your skills or abilities. Proceeds raised from the outing help to fund our annual scholarships given each April to Civil Engineering students. View the [flyer](#) for more information.

Contact [Eric Gardner](#) or by phone at 615-979-4382 with any questions. To register online, click [HERE](#).

Education Outreach

ASCE Nashville Branch Board Pledges to Help Place Dream Big: Engineering Our World Film DVDs in Area Schools this Fall

The film [Dream Big: Engineering Our World](#) by McGillivray Freeman Films will be available for educational purposes on DVD starting this fall. To help ensure students in our region will have an opportunity to learn more about careers in engineering, the Nashville Branch Board has pledged to sponsor a Dream Big DVD toolkit for all public schools serving grades 6-8 in Middle TN. ASCE Headquarters is going to match our Board's contribution by providing DVDs for half of the middle schools in the area. Additionally, the United Engineering Foundation (UEF) has provided a grant to put a copy of the DVD in each high school; therefore, we are focusing on middle school-aged children for our pledge.



Between the Branch and Society Headquarters, middle school-aged children in the Middle TN region will gain access to the film. Thanks to all who have contributed!

As the DVDs start to arrive at schools, we hope to have engineers ready to make classroom visits to talk about what they do with students. If you're interested in being part of the team to make school visits (we will work to optimize school visits based upon on schedule availability and geographic proximity), please contact [Janey Camp](#).

Opportunities to get Involved in Education Outreach

The Nashville Branch does a lot in terms of education and outreach throughout the year including efforts related to Dream Big, the Bridge Competition, Engineers' Week, etc. We're looking to grow the team that helps plan and facilitate these activities. If you're interested in getting involved, please contact [Janey Camp](#). There will be a meeting for those interested on October 11 from 11-12:30 (location TBD).

Pencil Partners

Our Pencil Partner School, Glencliff High School, needs speakers to talk to freshmen about what it means to be an engineer, what you do, etc. when the older students are taking the ACT exam at the end of the month. If you're interested in talking to students, please contact [Janey Camp](#).

Younger Member Group

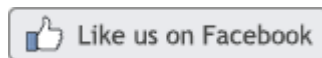
Younger Member Board

As the end of the current year is quickly approaching, the Younger Member Board is transitioning into new leadership. We would like to thank the outgoing board members for their service and welcome those who are taking their place! The YMG Board for 2018-2019 will be as follows:

Chair - Kate McBreen, Past Chair - Kyle McLemore,
Vice Chair - James Ensley, Secretary - Lily Moritz,
Treasurer - Caroline Davis, Service Chair - Emily
Waldon, Technical Chair - Vacant, Social Chair - David
Layhew, Student Liason - Kenneth Frye, PE Review
Course Chair - Kenneth Perkins

Fifth + Broadway Construction Tour

This month several members of the Younger Member Group toured the high rise construction project at the corner of 5th and Broadway in downtown Nashville. The fun and interesting event showcased the details of this exciting project. Special thanks to Skanska for providing us with this unique opportunity. Please stay tuned to our Facebook page, Email Distributions and the Level Line for upcoming events and activities.



PE & FE Exam Review Courses

Civil PE Exam Review Course Began Monday, August 20th - there is still room for you!!!

If you know someone who is taking the PE exam on October 26, 2018, please pass this information along. If you would like to sit in on some of the sessions as

a refresher for PDHs, you may register for a single session (or more) also. The PE Civil exam review course will be held at the Lipscomb University Fields Engineering Center Room 205 and will be available via a videoconferencing link. As we have in the past, the course will be taught by Professional Engineers and based on the Civil Engineering Reference Manual (Lindeburg 15th edition). It will focus on the "breadth" (morning) portion of the exam and will include the general topics covered during the morning part of the exam. Sessions include Water Resources, Geotechnical, Structural Mechanics, Construction & Materials and Transportation.



Online Registration is now open for the Fall 2018 course - [PE-Online Registration Form](#). The cost will be \$350 per person for members and \$550 for non-members and will include TSPE membership free for 6 months. Contact [Kenneth Perkins](#) with questions.

Civil FE Exam Review Course Began Tuesday, September 18th

A Civil FE Exam review course is being offered at Lipscomb University in Fields Engineering Center room 205. The course began Tuesday September 18, 2018 and will run through January 29, 2019 (no classes in December). The course is sponsored by Lipscomb University and TDOT and will also be available via a videoconferencing link. The course will be taught by Lipscomb professors and TDOT engineers and has been expanded to 3-hr sessions (14 sessions). Reference material includes The FE Civil Reference Manual, and Practice Problems for the Civil FE Exam (all by Lindeburg).

Online Registration is now open for the 2018-19 course - [FE-Online Registration Form](#). The cost will be \$200 for full-time students enrolled in an undergraduate program, and \$350 for others. Contact [Chris Gwaltney](#) for additional information on the course.

Note: FE review courses for Mechanical and Electrical are also available at Lipscomb (live only)

Student Chapter Updates

Lipscomb University

Lipscomb University
ASCE Chapter is
planning for a great



semester! We started our semester with a lake social to meet our new ASCE members and to have some quality time as a chapter. Just this month, a group of our ASCE students attended the TN Engineers' Conference, and we came in 2nd place in the student competition! One of our Lipscomb Alumni, Taylor Sanders received the TN Section ASCE Student of the Year award at the conference. Our students had a great time meeting students from other universities and professionals at the conference. We also had our first chapter meeting this month in which we asked some of our members to share their experience during their summer internships. We are looking forward to what this year has in store for our ASCE chapter.



Tennessee State University



It's been a busy month for students at TSU! Dr. Armwood and several students

were able to attend the Tennessee Engineers' Conference earlier this month where they listened to guest speakers, met representatives from different engineering firms, and competed in the student competition. The next ASCE Student Chapter meeting is scheduled for October 2 at 12:30pm; Ashley Smith, from CDM Smith, will be the guest speaker. We are continuing to build membership, recruit new student members, and are planning for a great semester!

Tennessee Tech University

It has been a very exciting month for the TTU ASCE Student Chapter.



We have had our first three meetings. The first being an introduction into the club and our student officers. The second meeting was more geared towards the southeastern Student Conference. We discussed the various competitions that the University of Tennessee Knoxville have put forward and gathered the emails of the students interested. We had Mike Macindoe from Fulguhm-Macindoe, a consultant firm located in Knoxville, where we discussed what to expect after school.

We also had a Camp Out at Belle Ridge Retreat. We joined forces with our student chapter of Water Professionals and had a great time roughing it.

We had several recruitment events this month to attract freshman and transfer students also. Our membership has grown 25 members stronger through these events.

We are now planning a Civil Shop clean up day this Saturday to prepare for our conference projects.

Vanderbilt University



VANDERBILT
UNIVERSITY

Vanderbilt ASCE has started the fall semester off strong. We have welcomed many new members to join the ranks of ASCE and presented a couple great meetings with esteemed speakers to get members excited about ASCE and civil engineering. Vanderbilt ASCE was also very active outside of

weekly meetings. Several Members volunteered at Second Harvest Food Bank this month to help alleviate hunger in middle Tennessee. Other members proudly represented Vanderbilt at the Tennessee Engineers' Conference this month. Now students are turning their attention toward the Spring Regional Conference to get a head start with preparations this year.

Service Opportunities

Peugot Center

Mission Trip Project Engineer

Many of you have heard about Lipscomb's mission trips before either at the branch dinner Lipscomb held last year or through personal involvement.



For those who don't know, Lipscomb takes groups of engineering students to work on engineering projects in developing communities with the technical help of engineers in varying fields. Lipscomb is looking for a project engineer to lead the technical aspect of a mission trip to Trujillo, Honduras next summer. We're wanting to help our host partner, Little Hands Big Hearts, with erosion control problems that are causing their building's foundation to be exposed. Our partnership with this ministry also has the potential to develop into other engineering projects, including providing a consistent, clean water source during Honduras's dry season.

If you would like more information on the details and involvement of this project, contact [Stephen Dodson](#) or [Ruth Steele](#) for more information.

Job Postings

TDOT

Entry-Level Civil Engineer



The Tennessee Department of Transportation is currently hiring full-time entry level Civil Engineers in West, Middle and East Tennessee. The Department of Transportation provides citizens of Tennessee and travelers with one of the best transportation systems in the country. TDOT is a multimodal agency with responsibilities in

aviation, public transit, waterways, railroads, cycling, and walking.

TDOT's Graduate Transportation Associate (GTA) Program is a highly competitive, professional development sequence that allows entry-level civil engineers to gain hands-on experience in the areas of maintenance, construction, design, and project management.

TDOT partners with Spark: Lipscomb University's Idea Center, where GTAs enhance leadership and team-building skills, learn how they impact company performance, and uncover ways to implement important business strategies.

After a one-year probationary period, those who successfully complete the GTA program will flex into a higher level job class and receive a salary increase. Several former GTAs have gone on to assume senior leadership positions with TDOT.

Bachelors of Civil Engineering is required
We are currently accepting applications to several GTA positions located across the state of Tennessee. To learn more and apply, visit: <https://www.tn.gov/tdot/human-resources-home/tdot-careers>

Job Type: Full-time
Salary: \$50,880.00 /year
Experience:

- Civil Engineering: 1 year (Preferred)

Education:

- Bachelor's (Required)

License:

- Fundamentals of Engineering (Preferred)

TDOT

Civil Engineering Manager - Maintenance



TDOT is currently accepting applications for a Civil Engineering Manager to join our expanding Pavement Management office. The Engineer must have experience with either pavement construction, design, management, or a combination thereof.

Salary: \$82,896.00/year

Essential Job Duties:

Assist with the selection and development of pavement resurfacing projects and monitoring their long term performance.

Under general supervision, responsibilities include:

- Managing collection, maintenance, analysis, and reporting of pavement condition data

- Development of pavement management selection decision trees and optimization procedures and implementation for optimized selection of projects
- Review of engineering plans, specifications, cost estimates, and related design standards
- Coordination with various other Divisions and disciplines for management of the pavement project development work flow

Statewide and occasional out-of-state travel is required.

Knowledge Requirements:

- 5 or more years of experience with pavement construction, specifications, and related materials
- 3 or more years of experience managing professional and technical civil engineering staff
- Excellent verbal communication skills

Project delivery and budget management skills

Educational/Licensing Requirements:

- B.S. in Civil Engineering
- Current P.E. license in either the civil or structural engineering disciplines

Job Type: Full-time
Salary: \$82,896.00 /year
Experience:

- pavement construction, specifications, and related materials: 5 years (Required)
- managing professional engineering staff: 3 years (Required)

Education:

- Bachelor's (Required)

License:

- Professional Engineering (PE) (Required)
- B.S. in Civil Engineering (Required)

Work authorization: United States (Required)

Power Consulting Associates

Civil Engineer

Power Consulting Associates, Inc. (PCA), a Nashville based

construction oversight, engineering, and consulting firm specializing in the power industry is seeking a Civil Engineer for the Nashville office.



The ideal candidate will be a graduate of a Civil Engineering program from an ABET accredited college with experience in civil site design. Experience in design of transmission and distribution lines preferred.

Candidate would be required to meet the needs of PCA's diverse client base of utilities, developers, and contractors. Design work will focus on providing innovative, economic, and constructible designs complying with local and federal regulations while meeting client's standards and preferences.

Minimum Qualifications include:

- Education, Certification, Training and/or Work Experience required for this job
- Bachelor of Science in Civil Engineering (Structural or Geotechnical)
- Engineer-in-Training License (Or ability to obtain with 3 months)
- 1-5 Years of Experience in Civil Site Design
- 0-3 Years of Experience in Overhead Line Design
- Specialized knowledge - Construction background and/or understanding & Fundamentals of Surveying

Skills

- Proficient in: Microsoft Office Suite (Word, Excel, Project)
- Working knowledge in the following areas is a plus: PLS-CADD, PLS-POLE, L-Pile, MFAD/H-FAD, CAD (AutoCAD and/or MicroStation), GIS software (Quantum GIS, Global Mapper, Google Earth, etc.), and survey/LiDAR data manipulation

Travel

Based on project needs, typically 10% - 30% per month

Salary

Negotiable based on experience.

Benefits package includes:

- Medical/Dental/Vision
- Company paid Life & LTD Insurance
- 401k Retirement Plan
- Employee Stock Ownership Plan
- Paid Vacation and Holidays

PCA is an Equal Opportunity Employer
Final Candidates will be subject to background and motor vehicle checks as allowed with federal & state regulations. PCA is a Drug-Free Workplace. Pre-employment drug testing is required. PCA participates in E-Verify.

ASCE Nashville Branch

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