

ASCE

KNOXVILLE BRANCH

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THE UNIVERSITY OF TENNESSEE -ASCE STUDENTS MAKE KNOXVILLE PROUD!



STEEL BRIDGE TAKES 2ND PLACE AND ON TO NATIONAL COMPETITION!

For the steel bridge competition, civil engineering students are challenged to an intercollegiate competition that supplements their education with a comprehensive, student-driven project experience from conception and design through fabrication, erection, and testing, culminating in a steel structure that meets client specifications and optimizes performance and economy. The Student Steel Bridge Competition increases awareness of real-world engineering issues such as spatial constraints, material properties, strength, serviceability, fabrication and erection processes, safety, aesthetics, project management, and cost. Success in competition requires application of engineering principles and theory, and effective teamwork. Future engineers are stimulated to innovate, practice professionalism, and use structural steel efficiently.

On March 7th the Knoxville Branch had a joint meeting with the UT Knoxville Student Chapter to review competition projects prior to the annual ASCE Student Conference. The meeting was at the John Tickle Building on the UT Knoxville Campus, and was attended by about 20 Branch members, including several Younger Members. The students did a great job, and later placed 2nd overall in the competition. The Knoxville Branch is **extremely proud of our Student Engineers** for the accomplishments achieved at the 2016 ASCE National Student Conference held in Tuscaloosa, Alabama this past March. Below is a list of the awards they received:

- Overall - 2nd place, behind Puerto Rico and ahead of Florida
- Balsa Bridge - 1st place
- Fiber Reinforced Beam - 1st place
- Professional Paper - 1st place
- Concrete Cornhole - 2nd place
- Concrete Canoe - 5th place overall (3rd place coed)
- Steel Bridge - 1st place Visual Display



THE CONCRETE CANOE: LOCAVORE - 5TH PLACE OVERALL - 3RD PLACE COED

EXCITING THINGS
ON THE HORIZON!

Program Evaluators for Civil Engineering Programs by Daryl R. Armentrout, P.E.

Are you interested in helping universities maintain and obtain their ABET accreditation for their civil engineering programs?
If you have...

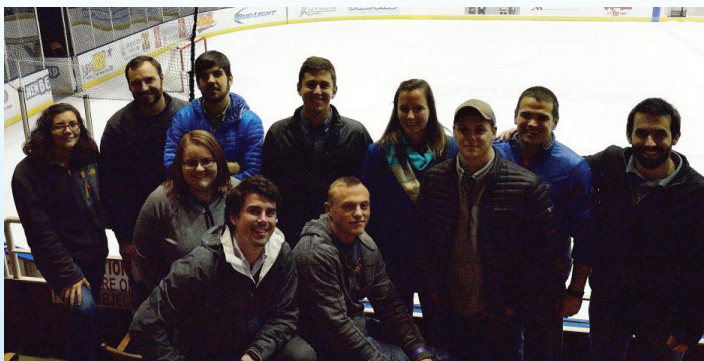
- A demonstrated interest in improving engineering education;
- Current registration as a professional engineer in the United States;
- At least 10 years of experience in the practice of engineering (e.g., in industry, private practice, construction, engineering education);
- A willingness to conduct visits and perform all associated activities in accordance with ASCE and ABET requirements.
- Membership in ASCE at the Member or Fellow grade.

You can serve as a program evaluator for civil engineering programs. It's a way that you can enhance the education of civil engineering and also give back to our civil engineering profession.

The time that you'll invest will be initially 12-20 hours of on-lone training and one and a half days of face-to-face training. Your first program review will be as an observer with an experienced program evaluator. As a program evaluator, you will commit about five days/year extended over July to November. You won't necessarily receive an assignment every year. Your travel expenses for campus visits will be reimbursed by ABET. If you are interested in serving our civil engineering profession in this way, go the ABET link, <http://www.abet.org/network-of-experts/make-a-difference/> and read more and complete an application..



Dr. Armentrout has served as a civil engineering program evaluator for 15 years. For more information about qualifications, training, and timeline, contact Daryl Armentrout, darment1@utk.edu, 865-255-7608.



YMG HOCKEY GAME

On Tuesday, February 9th, the ASCE Younger Member Group attended the Knoxville Ice Bears hockey game against the Macon Mayhem in downtown Knoxville. 18 people showed up to see the Ice Bears beat the Mayhem 2-0. Several YMG members were selected to participate in a dance-off and an on-the-ice sled race between periods, displaying some hidden dance moves and athletic skills. Thanks to Sherman Dixie for providing the tickets for this event.



YMG RIVER CLEANUP

The ASCE Younger Member Group met at Ned McWherter Park on Saturday, April 2nd to join in the 27th Annual Ijams River Rescue. From 10 AM to 1 PM, 14 members of ASCE helped clean up the north bank of the Tennessee River between McWherter Park and the KUB Whitaker Water Treatment plant. Thanks to all who came out on a beautiful Saturday morning to help clean up our water! Special thanks to Cannon & Cannon for providing breakfast to the participants.

RISK & FINANCIAL MANAGEMENT PRESENTATION

The first quarter of the year on January 26th began with a presentation about Risk and Financial Management for A & E Professionals. Presenters were Mr. Sam Mayes, P.E., and Mr. Chris Burl of Management Solutions. The meeting was at Calhoun's on the River in Knoxville and was well attended by over 40 people. The meeting was a joint meeting with ACEC.



DESIGN CHALLENGES OF SUTTREE PARK

On February 9th, Mr. Jeff Beckett (Senior Project Manager with Cannon & Cannon) and Ms. Dawn Michelle Foster (Director of Redevelopment for the City of Knoxville) presented "The Design Challenges for Suttree Park". Jeff and Dawn Michelle shared the challenges and rewards with the development of this exciting new park located in downtown Knoxville. The event was attended by approximately 45 ASCE Members.



On February 11th the ASCE Knoxville Branch presented Branch awards to Mr. Daryl Armentrout (Daniel Barge Award), Mr. Shawn Fitzpatrick of the City of Knoxville (2015 Government Engineer of the Year), and Ms. Helen Hennon and Mr. Michael Hogan (2015 Outstanding Engineering Project) at the Knoxville Commercial Real Estate Awards for 2015. Several members of the Knoxville community were on hand for the awards and it was a nice venue for additional recognition for our award winners.



On February 18th the ASCE Knoxville Branch sponsored two tables at the All Engineers Banquet in Knoxville. The presentation was by Mr. John Rogers, CEO and Co-Founder of Local Motors. Local Motors is a growing global network of microfactories where innovation is delivered. They built the first 3-D printed car.

On March 8th members of the ASCE Knoxville Branch participated in the Engineers Day on the Hill. Meetings were held with four legislators to discuss pending legislation dealing with traffic signalization, Professional Engineering License fees, and other Civil Engineering related issues.



On March 30th the Branch's annual Professional Civil Engineering Seminar was performed. Six Professional Development Hours were offered to attendees. Thirty-three people attended either the morning or afternoon session, or both. Topics and speakers included:

- Andy Powers, AIA, LEED AP - Aquisition of Campus Streets at UT and the Master Plan for the University of TN Campus
- Ken Barry, P.E. - Ethics and Social Ethics
- Al Hogan, P.E. - Proper Inspection and Evaluation of Reinforced Concrete Pipe
- Kevin Hon - Geophysics and Exploration: Complimenting Geotechnical, Environmental, and Transportation Investigations
- Becky Rehorn, Vaughn & Melton - The Power of LinkedIn

**SAVE
THE
DATE**

SIX MONTH LOOK AHEAD

APRIL



MAY



JULY



SEPTEMBER



JUNE



AUGUST



APRIL

- 14th: Section Meeting in Nashville
- 18th: Knoxville ASCE Regular Monthly Meeting at UT Tickle Building - Joint Meeting with Student Chapter to Install Newly Elected Officers for New School Year. Students Provide A Report On Their Participation In The Annual ASCE Student Conference.
- 19th: Section Leadership Meeting

MAY

- 1st: Golf Tournament Planning Begins
- 10th: Knoxville ASCE Regular Monthly Meeting at Oak Ridge Civic Center in Oak Ridge, TN

JUNE

- 14th: Knoxville ASCE Regular Monthly Meeting at Buddy's Banquet Hall in Knoxville
- 15th: Request for nominations of awards at Branch Level.

JULY

- ASCE Golf Tournament at Centennial Golf Course
- 12th: Knoxville ASCE Regular Monthly Meeting at Buddy's Banquet Hall in Knoxville
- 22nd: Section Meeting in Nashville
- Ballots Mailed for New Branch Officer Nominations
- 31st: Request to local Winners for State Competition

AUGUST

- 9th: Knoxville ASCE Regular Monthly Meeting at Oak Ridge Civic Center in Oak Ridge, TN
- 19th: Officer ballots due from members
- Write-ups due from five local winners and submit to State for State Awards

SEPTEMBER

- 11th: Officer election ballots due electronically to Section President
- 14th: TSPE/ACEC/ ASCE Joint meeting in Murfreesboro
- 16th-17th: ASCE President's and Governor's Forum in Reston, VA