

ASCE

KENTUCKY SECTION

Civil Engineering

a better world by design

ASCE
e-Newsletter

SUMMER 2016 NEWSLETTER

August 2016

We pledge ... To place service before profit, honor and standing of the profession before personal advantage, and public welfare above all other considerations

WEB ADDRESSES:

ASCE National:.....www.asce.org
Kentucky Section ASCE..... www.kyasce.org
Louisville Branch KY Section ASCE.....www.ascelouky.org
Bluegrass Branch KY Section ASCE.....www.bluegrassbranchasce.com

PRESIDENT'S MESSAGE

Dear ASCE Kentucky Section Members:

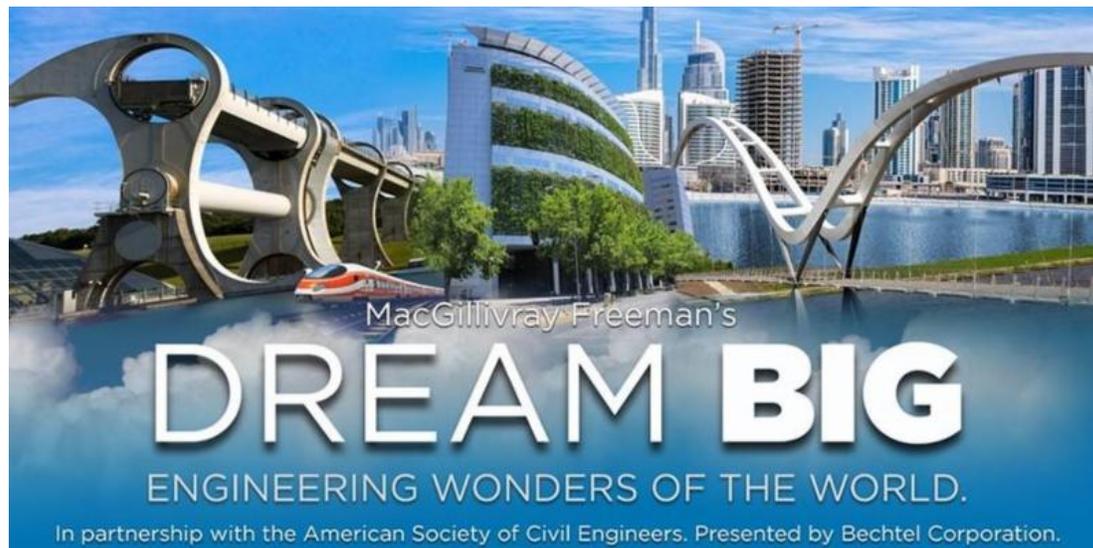
Summer is upon us, the year is half gone and our second KY Section Newsletter is here. There have been many great ASCE meetings and outings in the first half of the year including the dedication of a National Historic Civil Engineering Landmark in our great state. We've also got lots of great new things to come. In this newsletter you'll find information on what is happening at the national level, with our branches and technical groups, and with our younger members. There is information on ways to volunteer with ASCE. And of course planning is ongoing and never seems to stop for our next annual meeting. The date has been set and the venue selected. We are lining up speakers, asking you to nominate your fellow engineers for awards, and seeking sponsors and



exhibitors to help make the day go off without a hitch. October 14th is the day. Mark it on your calendars. Plan to spend the day at the Lexington Convention Center exploring interesting topics, gaining continuing education, recognizing achievement, eating good food, hanging with great company, and having fun with Engineering.

One last thing...get prepared because ASCE plans to roll out a BIG (Donald Trump would say HUGE) project that I have a feeling you may or may not hear a lot about over the upcoming months...for now we'll leave it at this...

DREAM BIG: CHANGING THE CONVERSATION ABOUT ENGINEERING



Premiering in giant-screen theaters Engineers Week, February 2017!

Don't say I didn't warn you. BTW, it looks awesome!
As always, should you have any questions, comments, or suggestions, please don't hesitate to contact any of the Section Officers.

Thank you,

W. Andrew Gilley, PE, M.ASCE
ASCE Kentucky Section President

KENTUCKY SECTION CONTACTS

Officers:

[Josh Johnson](#), P.E. - Past President
[Andy Gilley](#), P.E. - President
[Josh Johnson](#), P.E. - Vice-President
[Denise Hettinger](#), P.E. - Treasurer
[Jason Hurt](#), P.E. - Secretary

[Michelle Meehan](#), P.E. - Newsletter Editor

Other Board Members:

[Nancy Albright](#), P.E. - Scholarship Committee

[David Deitz](#), P.E. - History and Heritage Committee

[Daniel Tegene](#), P.E. - Government Relations

[Ryan Tinsley](#), P.E. - Younger Members Group

Region IV Governor:

[Jon Keeling](#), P.E.

REGION IV GOVERNOR'S MESSAGE

ASCE Kentucky Section Members -

There have been several Regional ASCE activities of note during the first half of 2016. Our Regional leadership (including myself) helped with planning for the MRLC that was held in February. Feedback indicated a well-attended and successful event.



I attended a face to face Raise The Bar Committee meeting in February as well (meeting was held in Denver), where our focus was on discussing possible new focus/direction for the RTB Committee (now including student outreach planning). I also helped in the planning for our Region 4 BOG/Assembly of Delegates meeting that was held April 15-16 in Nashville.

I am serving as interim co-chair for the DVT Committee, and helped host/plan the competition. We had 3 entries from across our Region, and the winner this year was Matthew Lovell from the Indiana Section. Our Section/Branches were well represented at the meeting as well - I appreciate everyone's time and involvement!

Finally, I was happy to be able to attend the Historic Landmark Ceremony the Section held at Lake Barkley State Resort Park - the weather was stormy, but we had a good turnout, and all enjoyed networking afterwards in the Park Lodge.

I appreciate the opportunity to serve on the ASCE Region 4 Board as your Governor. Please feel free to contact me about any issues concerning ASCE at the local or state level.

Thank you,

Jon Keeling, PE, M.ASCE
ASCE Region IV Governor

VOLUNTEER OPPORTUNITIES

Are you interested in becoming more involved with ASCE? We have several volunteer opportunities available!

Daniel V. Terrell Committee Chair

ASCE Kentucky section is looking for an energetic member to become our next chair person for this important committee. So if you or someone you know would be perfect for the job please contact [Jon Keeling](#).

For more information on the DV Terrell Younger Member Paper Competition and other duties please click the link [Chairperson Duties and Objectives](#).

Raise the Bar Committee

Kentucky is in the beginning stages of forming a Raise the Bar committee. Interested in how you can be a part of it? Please contact [Jon Keeling](#) for more information.

University of Kentucky - Practitioner Advisors needed

The student chapter of ASCE at the University of Kentucky is looking for engineers to serve as Practitioner Advisors. The ideal candidate would be willing to attend the monthly student chapter meetings and serve as a liaison between the Blue Grass Branch and the student chapter. If interested, please contact [Tiffany Coleman](#).

Other Opportunities

The Kentucky Section and local ASCE branches are always looking for motivated individuals who would like to serve as officers. Please reach out to the individuals below if you are interested in more information on how you can help!

Kentucky Section: [Andrew Gilley](#)
Blue Grass Branch: [Tiffany Coleman](#)
Louisville Branch: [Shanaka Ewing](#)
Frankfort Branch: [Shane McKenzie](#)
Pennyroyal Branch: [Shane Palmquist](#)

KENTUCKY SECTION ANNUAL MEETING

SAVE THE DATE

Kentucky Section Annual Meeting
October 14, 2016
Lexington Convention Center
Lexington, KY

We will have a full day of speakers on a variety of engineering topics, so you won't want to miss it!

See below for more information on being a speaker, sponsor, exhibitor, or to nominate someone for an award.

CALL FOR SPEAKERS

For those interested in presenting at the annual meeting, we ask that you send an abstract (500 words or less) on your topic no later than August 5, 2016 to [Joshua Johnson](#).

SPONSORS AND EXHIBITORS

If your company is interested in being a Sponsor or Exhibitor at the event, please contact [Joshua Johnson](#) for more information.

- Level 1 Sponsor \$100 (company logo displayed throughout the event)
- Level 2 Sponsor \$250 (company logo displayed throughout the event, one free registration)
- Exhibitor \$250 (company logo displayed throughout the event, and booth space outside of meeting rooms)

ENGINEERING AWARDS

The Kentucky Section will be presenting the following awards at our annual meeting:

- Distinguished Engineer in Education
- Distinguished Young Engineer (under 35)
- Distinguished Engineer in Private Practice
- Distinguished Engineer in Public Sector
- Outstanding Student Organization
- Robert M. Gillim Professional Recognition Award

To nominate someone, please contact [Joshua Johnson](#).

KENTUCKY SECTION EVENTS

National Historic Civil Engineering Landmark - Plaque Dedication

On May 20, the Kentucky Section dedicated the bronze plaque recognizing the Royal Colonial Boundary of 1665 at Lake Barkley State Park. The landmark, officially named in 1985, represents the boundary between Virginia and North Carolina and between Kentucky and Tennessee. This is the second of two plaques recognizing this Civil Engineering achievement. The first plaque is

located at Cumberland Gap National Historic Park.



ASCE Legislative Fly-in

The 2016 Legislative Fly-In organized by ASCE National was held in Washington DC on Tuesday March 15 through March 17, 2016. Over 150 delegates attended the session.

Some of the major items discussed at the Fly-In include:

- Federal Aviation Administration (FAA) Reauthorization
- Water Resources Development Act (WRDA) Issues
- Water Infrastructure Funding

The Kentucky delegation met with the Legislative Assistants of Senator Rand Paul, Senator Mitch McConnell and Representative John Yarmuth.

The Delegation requested the elected officials to work across the aisle to fund the above mentioned initiatives. The Delegation also provided an informational

binder to the representatives that included key talking points to help authorize funding for the initiatives.

The Delegation, echoing ASCE Government Relations' concern, stressed the need for Congress to identify a reliable, sustained user fee approach to building and maintaining the nation's infrastructure.

The Kentucky Delegation will continue to meet with the elected officials or their representatives when they came back to their home state. We encourage all ASCE members to write, call or attend local meeting with the elected officials to show support for passage of the bills indicated above or express the need to fund the construction and maintenance of America's aging infrastructure.

OTHER ANNOUNCEMENTS

PE Review Course

Taking the PE this Fall? Don't miss the Fall Civil Engineering PE Review Course held in Frankfort at the Kentucky Engineering Center. See this [registration form](#) for more information.

47th Ohio River Valley Soil Seminar (ORVSS)

Registration is now open for the Kentucky Geotechnical Engineering Group's 2016 Ohio River Valley Soil Seminar (ORVSS). This year's topic is "Geotechnical Aspects of the Louisville - Southern Indiana Ohio River Bridges Project." The seminar will be held on November 16, 2016. Please visit the ORVSS webpage below for more information. Early Registration ends October 21. You can register online through the site, or by mail with the Information Flyer available on the site.

[2016 ORVSS Registration](#)

For any questions, please contact [Travis Andres](#) (Exhibitors Contact) or [Samantha Schardein](#) or [Jay Mazzoni](#) (Registration).

Congratulations to Joseph Albrecht!

Joseph Albrecht (former University of Louisville ASCE Student Chapter Vice President) has had his photo selected for the 2017 ASCE Bridges Calendar.

He has also been selected to compete in the People's Choice Award Contest. To show your support and vote for his photo, [click here](#).



Aqueduct of Segovia - photo by Joseph Albrecht

Higher Logic's ASCE Collaborate

ASCE COLLABORATE is the social networking aspect of ASCE, organized in communities. Each ASCE member is placed in a community based on their Section preference, committee assignment, or other ASCE activity participation. It combines the instant, active response features of email and listservs with discussion forums.

It is similar to LinkedIn and Facebook, but is specifically for ASCE. You can participate in discussion threads or start new conversations. You may receive real time or daily digests of community activity or you may turn this feature off. You decide by customizing your settings. There are many added bonuses such as the ability to share large files without cluttering your inbox and instant access to your ASCE contacts and colleagues.

Information on how to sign up and start engaging with your colleagues can be found [here](#).

BRANCH REPORTS

BLUEGRASS BRANCH

The Blue Grass Branch held their annual mini-career fair in March at the

University of Kentucky for Civil Engineering students. Eight companies were represented and approximately 50 UK students attended.

In April, a joint meeting was held with the Frankfort Branch. The branches were fortunate to have Blaine D. Leonard, former president of ASCE, speak on autonomous vehicles. Nearly 100 people attended this meeting to learn the advancements in technology, where both automakers and google paths are leading, and what we should be preparing for in Kentucky.

In May, the branch toured Newton's Attic, a local non-profit that offers hands-on activities to students interested in science and engineering. The meeting was held on election day so that the group could see a class in action.

In June, the branch held their annual picnic. A group of engineers and their families gathered at a local park for a fun afternoon.

Upcoming Meetings and Events

August Meeting and Officer Installation

August 26, 2016 at noon

Stuart Room in the Carnegie Center

This meeting will kick off the 2016-2017 year and will include officer installation and a presentation on the Vaughn's Branch Stream Restoration by Carmen T. Agouridis, Ph.D., P.E. from the Biosystems and Agricultural Engineering Department at UK.

If you are interested in more information about what the Blue Grass Branch is doing or if you want to get more involved, please contact them at ascebb@gmail.com, check out their website at www.bluegrassbranchasce.com or like them on Facebook!

ASCE Bluegrass Branch Younger Member Group

In February, the Bluegrass Branch Younger Member group hosted a group of ASCE members at West 6th Brewing in downtown Lexington to watch the Kentucky vs. Tennessee Men's Basketball Game. The event was well attended and enjoyable for all.

Also in February, several younger members volunteered to speak on engineering-related topics at area elementary, middle, and high schools during E-Week. Presentations varied from basic engineering principles and design processes to structural, transportation, geotechnical, water, stormwater, and wastewater topics.

Upcoming Meetings and Events

The Younger Member Group along with Lexington's Bluegrass Greensource is having a stream clean-up of Cane Run along Lexington's Legacy Trail. The clean-up will be held at 2:00 P.M. on Sunday, August 14. Volunteers should meet in the Legacy Trail Parking Area on McGrathiana Parkway in Coldstream Park. Bring rubber boots or waders if you have them, and bring your friends! Beverages and snacks will be provided. Look for the tent set up near the parking area.

For more information or if you have questions, email [Lindsie Nicholas](mailto:Lindsay.Nicholas@bluegrassbranchasce.com) or [Emily Epperson](mailto:Emily.Epperson@bluegrassbranchasce.com) or call them at 859-225-8500.

For more information on the Blue Grass Branch Younger Member group, please check out their website at <http://www.bluegrassbranchasce.com/younger-member-page> or contact [Lindsie Nichols](mailto:Lindsay.Nicholas@bluegrassbranchasce.com) or [Emily Epperson](mailto:Emily.Epperson@bluegrassbranchasce.com)!

FRANKFORT BRANCH

In February, the Frankfort branch celebrated E-Week by participating in pre-teen outreach at local area schools.

In April, a joint meeting was held with the Blue Grass Branch. The branches were fortunate to have Blaine D. Leonard, former president of ASCE, speak on autonomous vehicles. Nearly 100 people attended this meeting to learn the advancements in technology, where both automakers and google paths are leading, and what we should be preparing for in Kentucky.

In April, the branch held 45-minute sessions with students in grades K-8 beginning with a *What do Civil Engineers Do* presentation followed by hands on activities including: Build a Tower; Build a Bridge, Enviroscape, and Potential/Kinetic Energy by building Marshmallow Slingshots and Marble Roller Coasters.

In May, the branch hosted a tour of the new Frankfort office building, which gave a behind-the-scenes look at the new office building prior to its opening. The tour included explanations on the site/civil aspects and project challenges and was led by Ben Simmons with EOP Architects and Chris Howard of Carman Engineering.

Upcoming Meetings and Events

August Meeting

TBD

Details to follow.

For more information on the Frankfort Branch, please contact [Shane McKenzie](#)

LOUISVILLE BRANCH

In March, the Louisville Branch held a meeting with guest speaker B. David Cox, Executive Director of the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors (KYBOELS) who presented on services that KYBOELS provides.

In April, the branch held a lunch meeting where Dr. Richard Li from the University of Louisville presented on *Interdisciplinary Research Towards a Smarter, Safer, Sustainable Transportation System*. Dr. Omid Ghasemi Fare, from the University of Louisville also presented on *Energy Harvesting Through Geothermal Piles-Analysis, Modeling & Design*. The UofL ASCE/SAME Student Chapter also attended and gave a brief presentation on the 2016 Ohio Valley Student Competition.

In May, the branch held a meeting where Robert Bates with the Louisville & Jefferson Metropolitan Sewer District gave a presentation on *Engineering and Sustainability in Wastewater Treatment*.

Upcoming Meetings and Events

September Meeting

TBD

Details to follow.

If you are interested in more information about what the Louisville Branch is doing or if you want to get more involved, please contact [Shanaka Ewing](#), or check out their website at <http://branches.asce.org/louisville/>

ASCE Louisville Branch Younger Member Group

In February, the Louisville Branch YMG held a monthly lunch meeting at Brick House Tavern and Tap. The purpose of the meeting was to discuss upcoming events for the first quarter of 2016.

Also in February, the Louisville Branch YMG provided volunteering assistance for the Kentucky MATHCOUNTS' local chapter competition. MATHCOUNTS is a nationwide program to engage middle school students in a fun, challenging math program to expand their academic and professional opportunities. Volunteers helped grade and moderate the various tests throughout the day.

During E-Week, three members of the Louisville Branch YMG volunteered at various middle schools in Louisville. Members met with over 100 students and gave a presentation describing what engineering is and provided

brief backgrounds on four of the main types of engineering - civil, mechanical, industrial, and chemical. Each presentation also had a question and answer session to allow students to ask specific questions about engineering.

In March, the current and past presidents of the Louisville Branch YMG, Andrew Esarey and Ryan Tinsley, volunteered as judges for the 2016 Louisville Regional Science and Engineering Fair (LRSEF). LRSEF involves interested students in grades 6-12 from Jefferson County and 15 counties surrounding the Louisville Metro Region. Hundreds of students gathered at the Louisville Science Center to present projects on over a dozen different specialty areas. Andrew and Ryan also represented the ASCE Kentucky Section by selecting two students to receive ASCE Engineering awards.

Upcoming Meetings and Events

The YMG is planning a Repair Affair wheelchair ramp construction to take place in August.

For more information on activities hosted by the younger member group please check out their website:

*<http://branches.asce.org/louisville/younger-member-group>
or contact [Andrew Esarey](#) or [Ryan Tinsley](#).*

PENNYROYAL BRANCH

For more information on the Pennyroyal Branch, please contact [Shane Palmquist](#).