



Civil Engineer

KANSAS CITY

THE NEWSLETTER

March 2017

UPCOMING EVENTS

March

**15th – ASCE/APWA
Joint Society
Luncheon**

**29th – Conversations
with Civil Engineers**

April

**9th – YMG Special
Olympics Volunteer
Event**

**11th—Annual Awards
Luncheon, Plaza III**

Summer 2017

**ASCE Presents:
“Dream Big” at Union
Station IMAX**

From the President



With the joint luncheons, Dream Big planning, and Report Card planning, we hope ASCE has been satisfying to our membership.

There has been good participation at our monthly luncheons, and we are continuing to find interesting topics from our speakers.

In December, MSPE hosted us at the Grand Street Café where US Army Corps of Engineers’ Colonel Guttormsen spoke on the mission of the Corps.



2016-2017 ASCE Directors

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President

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In January, EWRI hosted us at the Café Trio where Jessica Veach of CDM Smith spoke on "Target Green West Marlborough, Greening the Gray: A Look at Design Through Construction"



As you may have noticed in the January 23rd Email blast, Sheryl Gallagher, 913-438-1900, sgallagher@geotechnology.com and Bryce Coulter, coulterbryce@gmail.com are helping to lead the effort to



prepare both the Missouri and Kansas ASCE Infrastructure Report Cards starting in the Spring of 2017, for the early 2018 release. Roster positions for the various categories

are being filled. Our State governments need accurate and convincing information, clearly assembled, to escalate the concern and financial need.

The Kansas City Section of ASCE and the Kansas and Missouri sections of the Association of State Floodplain Managers (ASFPM) is hosting a 5K run as part of ASFPM's 2017 annual conference to be held in



Kansas City. This joint event will be the first annual 5K designed to promote the ASB Bridge Kiosk which was completed in April of 2016. The ASB Bridge is recognized by ASCE as a National Historical Civil Engineering Landmark for being one of two double deck vertical-lift bridges ever built in the United States. The kiosk monuments appear as mock counterweights and they include informational panels of the history of civil engineering in the Kansas City metro and information panels for the bridge itself.

Please join us for the run along the Missouri River at Berkeley Riverfront Park, as a participant or volunteer. <http://www.enter2run.com/search/event.aspx?id=39785>

We are still planning the “Dream Big” film premiere in Kansas City. See the advertisement within the newsletter. If you are involved in arranging your firm’s sponsorship budgets, please consider helping us reach out to disadvantaged students in the metro. Thank you to Taliaferro & Browne, TREKK, Core Slab, and Shockey, for pledging to be sponsors so far! Contact me if your firm is interested.

If you ever have any questions or comment, please do not hesitate to contact me (jblancett@hntb.com).

I look forward to seeing you at all of the upcoming events!

Sincerely,

John Blancett, PE, ENV SP

President, Kansas City Section ASCE

ASCE 2017 Life Members

ASCE National Office has announced the achievement of LIFE MEMBERSHIP by several members in our Section. Our Chapter will recognize the new Life Members at our April Awards Luncheon. Please plan on attending the Awards Luncheon and help us to honor and thank the Life Members for their many years of service to our profession. Following is the list of our new Life Members:

John Hronek	Thomas Mc Gowan
John Kelley	Lee Johnson
Donald McMican	Edward Hutson
Andrew Schwartz	William Stannard
Robert Graverholt	James Frerichs
Wayne Duryee	Steven Lux
William Ernst	

Kansas City ASCE Officer/Board Positions

“The KC Section of ASCE's Nominating Committee is preparing its recommended slate of candidates for Officer and Board positions for the 2017-2018 term. Each of the Board positions (other than President) is listed below with the name of the current candidate. Each of the positions is responsible for acting as a liaison between the committees listed below and the Board of Directors. If you are interested in being considered or would like to nominate someone for election to one of the Board positions, please contact Tom Jacobs (tjacobs@lenexa.com) by April 1st. **There are many ways to serve the Section beyond serving on the Board, so as a reminder, if you're interested, the Section would love to hear from you! Find an Officer at a luncheon, email a Board member, or let a coworker who is involved in ASCE know; there is a place for you to get involved!**

- President-Elect (Government and Public Relations, Membership, Life member Involvement Committees)
 - Ozzy Bravo (2016-2017 ASCE KC Director II)
- Treasurer (Attendance, Dinner, and Program Committees)(Oversees the financials)
 - Mohamad Ibrawish (2016-2017 ASCE KC Director I)
- Secretary (Communications – Website, Newsletter and Database) (Distributes Meeting Minutes)
 - Ernie Longoria (2016-2017 ASCE ASCE KC Associate Member Director)
- Director III (Awards, History and Heritage)
 - Open Position
- Director II (Continuing Education)
 - Open Position
- Director I (All Technical Committees – Geotech, EWRI, SEAKM, SEI)
 - Open Position
- Associate Member Director (Younger Member and Student Chapters)
 - Open Position

Thanks,

KC ASCE Nominating Committee

-Sheryl Gallagher (2013-2014 Past President)

-Jennifer Taylor (2014-2015 Past President)

-Tom Jacobs (2015-2016 Past President)

Government / Public Relations Committee

The GPR committee is busy gearing up for the Missouri and Kansas State Infrastructure Report Cards. National will be releasing the nation report card in March 2017 and ours is planned to be released May 2018. It is not too late to volunteer to help! Contact Sheryl Gallagher or Bryce Coulter if interested.

Feb 1 was a legislative drive in to Topeka for the Kansas Society of Professional Engineers. KSPE always invites our section to attend since our concerns are very similar so we want to report on their efforts – Here is their report:

SUCCESS! After a couple of years of not having the best turnout from attending legislators, this year we had a great turnout. I didn't get an exact count, but we had close to 15 or more legislators attend. Part of the reason for the better turnout was being able to sponsor a lunch earlier in the session as the legislators weren't quite as busy yet.

This year we had nine chapter members travel to Topeka on Wednesday, February 1st for our annual luncheon with the Johnson County Delegation. We were well represented with members from Affinis, Burns & McDonnell, City of Lenexa, Garver, GBA, HNTB, and WaterOne. First, we met at Gaches Braden & Associates (GBA) office. Unfortunately, Travis Lowe was tied up in a conference meeting but the attendees were still able to sit down and discuss many of the topics we felt were important prior to walking over to the Capital. Once at the Capital, we were able to meet up with Travis.

We were able to have an excellent discussion with the legislators that attended and give them a greater understanding of who KSPE is and what we represent. After which we were able to answer some of their questions. They had excellent questions in regards to QBS, KDOT design build process, local municipality property tax lid, State water program, potential Federal infrastructure funding, and taxation on professional services. Given the diversity of our attendees, I feel we were able to respond to each question very well.

Eastern Chapter continues to build political capital with our State Legislators, and events like this and our October breakfast enhance our profile in their minds. We continue to build a "name and face" recognition with many of our Legislators and this visit was a valuable opportunity for members to meet and greet our elected



officials. I would personally like to thank all those who attended this year and I strongly encourage you to take advantage of this opportunity next year.

Attendees: Charlie Love, Clarence Munsch, Mark Williams, Rick Worrel, Mike McKenna, Kiel Johson, Kerrie Greenfelder, Steve Bachenberg, and Cameron McGown.

Feb 15 was the Legislative Drive-in for the Kansas City and St. Louis Sections. Sheryl Gallagher, Valerie McCaw (set an appointment and we covered for her), Dennis Boll, Alison Graves and John Weiland met with their respective Representatives and Senators to discuss infrastructure and STEM funding, qualifications based selection and engineering licensure. The transportation bill is in the House's court and the general consensus is a long term solution will likely not happen this session but there should be a task force formed that will include citizens and representatives of the engineering community. We cannot stress enough to be involved – contact your legislators and let them know your thoughts on what should be done. You can search for current bills: <http://www.moga.mo.gov/> or <http://www.kslegislature.org/li/>. Rather than looking those bills up, you can sign up on ASCE's web site as a Key Contact and receive email notices on bills in your state that have a direct impact on engineering.

March 14-15 is the ASCE Legislative Fly-In where selected ASCE members visit Capitol Hill to discuss our concerns. The updated National Report Card should be released before this visit and many of those on Capitol Hill use the report card as a reference to validate the need for funding.

EWRI

The Environmental & Water Resources Institute (EWRI) hosted the annual ASCE/EWRI joint professional meeting at Café Trio in Kansas City, MO on January 25th. The meeting provided ASCE and EWRI a chance to give updates to attending members. The feature of the event was Jessi Veach (P.E., ENV SP) of CDM Smith's presentation titled "Target Green West Marlborough, Greening the Gray: A Look at Design Through Construction". The Target Green West Marlborough project is for stormwater control in the West Marlborough neighborhood of Kansas City, MO. Funding for the project is part of the 4.5 billion dollar Overflow Control Program to bring KCMO back into permit compliance. The presentation provided an overview on the design objectives and considerations, key project features, as well as construction challenges and successes.

EWRI Call for Nominations:

EWRI KC is currently seeking nominations for the following positions:

- Vice Chair
- Event Coordinator
- Treasurer
- Secretary

Please send all nominations to ewrikansascity@gmail.com with the subject line "2017 Board Nomination" along with nominee credentials.

ASCE Younger Member Group

December Monthly Meeting

The YMG had its annual Toys for Tots toy drive at its Monthly Meeting on December 6th. Around 25 members attended the event at Tanner's Bar & Grill. In exchange for donating a toy, members were given free appetizers and drinks and entered into a raffle.



Friends of JCDS Volunteer Event

5 members of the YMG and 8 members of APWA volunteered at an event for Friends of Johnson County Developmental Supports (JCDS) on January 21st. JCDS helps to make wishes reality for thousands of our friends and neighbors who face daily challenges and adversity. The group worked on painting living spaces in support of people with disabilities who are moving into a group house in Olathe. They taped trim, vacuumed, painted most rooms in the house, and assembled a desk for staff administration work. The four displaced disabled men, two of which use wheelchairs, moved into the residential house on January 24th.



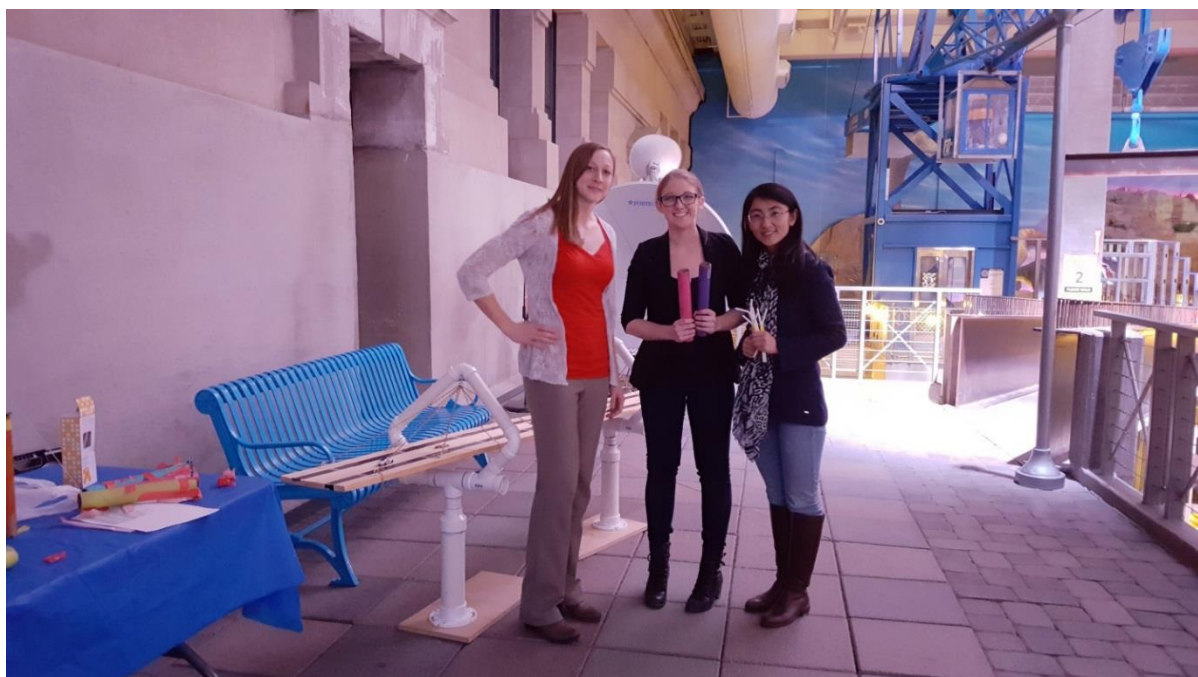
Mavericks Night

The YMG had its annual Mavericks Night on January 27th. After enjoying a buffet at Buffalo Wild Wings, everyone headed over to Silverstein Eye Centers Arena to watch the Mavericks hockey game. Around 30 people attended the event which was sponsored by TranSystems. The Mavericks won 4-2!



Expanding Your Horizons

Members of the YMG volunteered at the Expanding Your Horizons conference on February 3rd. Girls in 6th-8th grade were given the opportunity to work with female STEM professionals doing STEM activities. The girls spent the majority of the evening in hands-on workshops that are designed and led by area women who want to help girls understand the joy of STEM studies and careers. For the YMG hands-on workshop entitled "Bridging the Gap", the girls were educated about bridges, specifically suspension bridges. The girls were shown the 4'x1'x12' PVC/wood/chain suspension bridge where the YMG members explained the different components of a bridge and the basics of how a bridge is constructed. The second part of the activity gave the girls the opportunity to build their own suspension bridges out of crafting materials and test them their capacity by hanging loads.



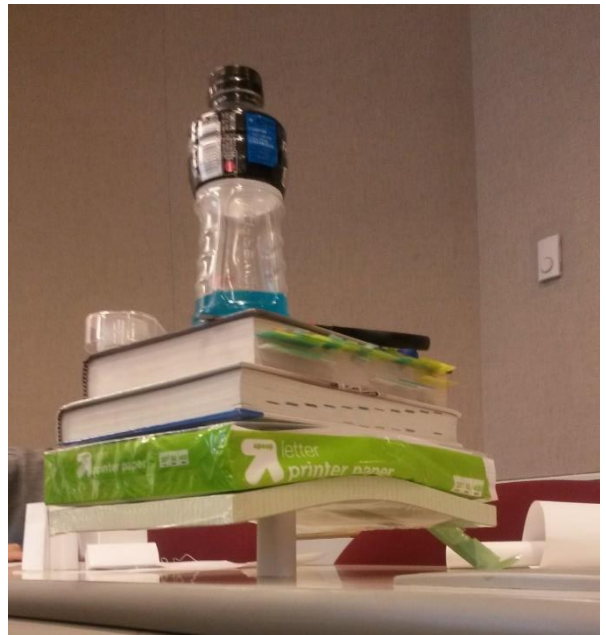
NAWIC Block Kids Building Competition

4 members of the YMG volunteered at the National Association of Women in Construction (NAWIC) Block Kids Building Competition on February 4th. This was the 28th annual competition hosted by NAWIC. Elementary students competed for trophies and Lego sets by constructing a commercial building using Legos, construction paper, aluminum foil, and a piece of string. The YMG attendees acted as judges for the competition and asked students questions about their structure and about their potential future careers.



UMKC ASCE Student Chapter

For the first time, UMKC's ASCE student chapter participated in an inner city outreach called Saturday academy. About 20 students from urban middle schools attended and learned about Civil Engineering through hands on activities. Four UMKC students volunteered and facilitated activities that encouraged innovative thinking. The middle schoolers built paper towers with newspaper, structures with toothpicks and marshmallows, and tables to hold up textbooks with paper. The younger students interacted with the volunteers to learn more about the process of becoming an engineer and how they can apply their passions to their future jobs.



The steel bridge team is in the midst of fabrication and on schedule to compete at Regionals in April. The coming weeks will be used to complete connection fabrication and book travel for competition. Regionals are scheduled for April 21 and 22. The team still plans to complete construction in March and use the additional time before competition for practice and fine tuning.

Missouri S&T Education Programs



Missouri S&T offers full master of science degrees online in civil and environmental engineering. Why not get started on one by enrolling in a graduate certificate program of interest to you?

Graduate certificates give YOU the opportunity to broaden your knowledge in a particular discipline, learn the latest in developing fields and stay competitive in today's marketplace. By taking a few online courses, you will be able to demonstrate advanced knowledge in the field of civil or environmental engineering.

Online Certificate Programs

- **Contemporary Structural Engineering** - Analysis and design of structural systems; including structural vibrations and stability, advanced steel and concrete design, and using composite materials to strengthen structural systems.
- **Geoenvironmental Engineering** - Design, implementation and management of cost effective site assessment and ground investigation, advanced analysis techniques in soil mechanics and environmental topics.
- **Infrastructure Renewal** - Assessment, repair and rehabilitation techniques with an emphasis on composite materials for infrastructure renewal.
- **Project Engineering and Construction Management** - Construction methods and project management, systems engineering and financial risk management.

Online Graduate Degrees

Graduate certificate programs may also be used as a pathway to a graduate degree program. **Credits earned in a certificate program can be counted toward the master's degree** so long as you earn a B or better in each certificate course. In this case, you can apply for admission to the department's master's degree programs without needing to submit GRE scores.

For more information, please contact Jeannie Werner in the Department of Civil, Architectural and Environmental Engineering by phone at 573-341-4470 or email wernerje@mst.edu.

Go online to learn more at: <http://dce.mst.edu/credit/care>

ASCE Events

2017 APWA-ASCE Joint Luncheon

"Implementing Envision for More Sustainable Public Infrastructure Projects"

Andy Sauer (Burns & McDonnell) will share a presentation about implementation of Envision and how it relates to public works projects.

Envision is a sustainability rating system that has been adopted by many cities, including Kansas City, Missouri, as an evaluation process to plan, design, and construct more sustainable public infrastructure projects. Envision is a rating tool, similar to LEED that can be applied to infrastructure projects for the purpose of comparing improvement alternatives beyond just costs. Envision can also provide an overall process for evaluating infrastructure programs or for the development of capital improvement plans. This presentation will provide an overview of the Envision rating system, the project verification process, and an example of applying Envision at a program level.

11:30 - 12:00 Registration and Social

12:00 - 12:30 Lunch

12:30 - 1:00 Meeting and Presentation



Cost is \$25 for all attendees. Accepted forms of payment are credit card online, or cash or check at the door. Credit cards will not be accepted at the door. Please make checks payable to, "APWA - KC Metro Chapter".

If you are not a member of APWA, there is an option to create a guest account. If you do not wish to create a guest account, please email Joe Burgett at jburgett@gbateam.com to get signed up.

Go to <http://kcmetro.apwa.net/EventDetails/11348> to sign up

PDH's are available at all educational lunch programs.

ASCE Volunteers for National Society of Black Engineers Annual Conference

The ASCE Committee for Diversity and Inclusion (CDI - National) will be hosting their annual mentoring event, *Conversations with Civil Engineers*, in Kansas City this year as a part of the National Society of Black Engineers 43rd Annual Convention. CDI has invited ASCE – KC members to participate in this event and serve as mentors to high school and college aged students. Each mentor will lead a small roundtable discussion to answer questions and share guidance about college, careers and technical developments in their field of engineering. We are looking for mentors of ***all ages, ethnicities and backgrounds*** who are willing to share their story of success!

This is an excellent opportunity for ASCE-KC to engage with CDI and NSBE's local and national chapter members. If you are interested in serving as a mentor for this wonderful event, please contact Nicole Tauheed at nicole.tauheed@gmail.com, or Sosena Teklemariam at steklemariam@duboisengrs.com by March 17th.

Date: Wednesday, March 29, 2017

Time: 8:30 – 10:30 PM

Location: Kansas City Convention Center (Bartle Hall)

301 W. 13th Street

Kansas City, Missouri 64105

Qualifications: 5 years Minimum Experience in the following -

Structural

Environmental

Geotechnical

Construction Management

Transportation

Water Resources

SUNDAY, APRIL 9, 2017

COME VOLUNTEER WITH THE SPECIAL OLYMPICS OF KANSAS



**Special
Olympics**

WE NEED REFEREES AND SCOREKEEPERS

Place: Harmon High School Stadium
Douglas Ave (East of S 22nd Street)
Kansas City, KS 66106

Time: Shift 1 - 10AM to 2PM (includes setup)
Shift 2 - 2PM to 6PM (includes takedown)

All volunteers will receive a t-shirt!

Contact: Andrew Robertson
YMGC Co-Chair for Community Service
Campdrew@aol.com

Our Special Olympics Contact: Clint Armistead
Director of Sports

Details: Setup includes putting up soccer goals and cones as well as moving benches and water coolers. There will be about 20 teams total. We need to provide the 3 fields with at least 1 referee and 1 scorekeeper at all times. Also need other referees and ball chasers. If you know the rules of soccer, then referee training will only last 5 minutes. The rules are slightly adjusted from standard FIFA rules. Note that only water is allowed on the turf field and no pets please. In case of rain, the location may be moved to Soccer Nation, 520 S 55th Street, Kansas City, KS 66106.



This is the YMG's fourth time volunteering for the Unified Soccer League of Kansas. Special Olympics empowers individuals with intellectual disabilities to become physically fit, productive, and respected members of society.



MISSOURI CONCRETE CONFERENCE

hosted by Missouri University of Science and Technology

Join us and our distinguished group of regionally and nationally known speakers at this year's [Missouri Concrete Conference](#), May 2-3, 2017, in Rolla, Missouri.

During this affordable two-day conference, you could earn approximately 10 Professional Development Hours (PDHs).

TOPICS OF INTEREST

MATERIALS:

Slag Cement
Confirming Aggregate Quality
Colored Concrete
Steel Fibers in Building Construction
Impact of Air Pollution Control on Fly Ash Quality
MoDOT Research

CONSTRUCTION:

Timing of Slab Saw-cutting
Compacted Concrete Pavement
Internal Curing of Bridge Decks:
Lessons Learned

QUALITY CONTROL & INSPECTION:

Field Testing: Cylinder Curing, Unit Weight,
& Cylinder Weight
ACI Adhesive Anchor Technician Certification

READY MIX/PRE-CAST OPERATIONS:

Factors Affecting Air Content
Zero Discharge Production Water at Plants
What's New in Pre-Cast, Pre-Stress, and Concrete Pipe

MAINTENANCE & REPAIR:

MoDOT CPR Spec Update
Regional Aggregate Issues:
ASR, ACR, D-Cracking
ACR Deterioration of Streets

DESIGN & SPECIFICATION:

St. Louis Co. Material Spec Changes
Evolution of Concrete Bridge Decks

For more information, go online to <http://concrete.mst.edu>.

...See you at the Conference!

ASCE Presents: *Dream Big* (Summer 2017)

ASCE will present *Dream Big* in IMAX at the Union Station B&B Regnier Extreme Screen Theatre **this Summer!** DREAM BIG is an awe-inspiring journey through various engineering marvels around the world. With the best IMAX cameras there are and Jeff Bridges' narration, you better be on the lookout Kansas City! To top it off, this not just a film for nerds. It is accompanied by STEM outreach activities and teaching curricula, for all ages, to inspire the engineers of the future. Kansas City has the added bonus of Science City adjacent to the film at Union Station, so your friends, family, and children can take part in hands on activities during your Dream Big experience. See the trailer: <https://www.youtube.com/watch?v=gWoGKpK3koM>

We'll soon be in touch with you and your companies for sponsorship opportunities, premiere tickets, and volunteer opportunities. ASCE Kansas City Section is already coordinating a huge outreach event with the NSBE convention on March 31st (7-11pm) and is **calling for volunteers** to share their engineering passion with students. We are also planning several screenings for our ASCE family and any collaborating organization interested. If you have an organization that is interested, please let us know! Contact akulesa@burnsmcd.com for any questions or to sign up for these opportunities.



12th Annual ASCE Charity Golf Tournament

Hillcrest
golf & country club
08.11.2017



Neila Seda
Tournament Chair

Kevin Gallagher
Tournament Chair



Joe Kurokawa
Mariah Schroeder
Tom Greer
Tony Kulesa

Megan Dierks
Alex Griffin
Emily Loiselle
Kevin Koines

Spencer Ferguson

Sponsorship & Prize Chairs

www.kcengineers.com/golf
kcASCE.golf@gmail.com