



Monthly Newsletter

Volume 20 Issue 5

President's Message

By: Charlie Love

Happy New Year! I hope everyone enjoyed the holiday season. With the New Year starting, that means the pace of KSPE activities really start picking up. With that said, please be sure you mark your calendars and, if you can, help by attending and/or volunteering at the events.

January Meeting

Joint meeting with MSPE on January 17th. The topic will be Lee's Summit Municipal Airport Overview and Improvements.

KSPE/ASCE Mavericks Game

Join us for a Mavericks game and Buffalo Wild Wings before the game on Friday, January 25th.

Harvesters Community Service

Souper Bowl of Caring event held at Harvesters in Kansas City on Saturday, February 2nd. Friends and family members are encouraged to attend as long as they are 8 and older.

Model Bridge Building

Will be held on Saturday, February 2nd at the Museum at Prairiefire in Overland Park.

Mathcounts

Will be held Tuesday, February 5th at the Jewish Community Center in Overland Park.

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E-week Luncheon

Will be on Thursday, February 21st. See below for information on submitting articles for the 2019 Engineers Week supplement to the Kansas City Business Journal.

Legislative Luncheon

TBD. Typically, the delegation meets on Wednesdays and we will try to get as much advance notice as possible.

February Meeting

Joint meeting with ASCE on February 28th.

Once again, many of these events require help from volunteers. If you are interested in helping, feel free to contact me or any other KSPE board/committee member.

Also, do not forget to be thinking about awards. We are looking for nominations so if you know of an engineer, project, teacher, etc. that deserves recognition from this past year or throughout a career, please consider recommending them to the Board. There is not a requirement for an award recipient to be a KSPE member, but it is encouraged.

In closing, I leave you with a picture from my holiday travels and a bit of information on the Bixby Bridge. Information from Wikipedia.



Prior to the opening of the bridge in 1932, residents of the Big Sur area were virtually cut off during winter due to the often impassable Old Coast Road that led 11 miles inland. At its completion, the bridge was built under budget for \$199,861 (equivalent to \$2.95 million in 2016 dollars) and at 360 feet was the longest concrete arch span on the California State Highway System. It is one of the tallest single-span concrete bridges in the world.

State engineers considered two alternatives to crossing the creek, an inland route and a smaller bridge, or a coastal location and a larger bridge. The inland route would have needed an 890-foot tunnel cut through the Santa Lucia Mountains to a 250-foot bridge upstream. The engineers selected the coastal route because it was safer, more scenic, and least affected the environment.

California state highway engineer C. H. Purcell and bridge engineer and designer F. W. Panhorst considered whether to build a steel or concrete span. A steel bridge would cost more to build and maintain, as the sea air would require expensive ongoing maintenance and painting. A steel bridge was also less in keeping with the natural environment. Using concrete reduced material costs and allowed more of the total cost to be paid to workers, which was a positive aspect of the design during the Depression. They chose concrete in part because it would not only reduce both construction and maintenance costs but would also echo the color and composition of the natural rock cliff formations in the area.

Over 300,000 board feet of Douglas fir timber, used to build a 250-foot high falsework to support the arch during construction, was transported from the railroad terminal in Monterey over the narrow, one-way road to the bridge site. The falsework, built by crews led by E. C. Panton, the general superintendent, and I. O. Jahlstrom, resident engineer of Ward Engineering Co., was difficult to raise, because it was constantly exposed to high winds. Some of the falsework timbers were 10 by 10 inches. It took two months to construct the falsework alone. When high waves threatened the falsework foundation, construction was halted for a short time until winter storms abated.

The crews excavated 4,700 cubic yards of earth and rock. Eight hundred twenty-five trucks brought in 600,000 pounds of reinforcing steel. Sand and gravel were supplied from a plant in Big Sur.

Construction required 45,000 sacks or 6,600 cubic yards of cement which was transported from Davenport, near Santa Cruz, and from San Andreas. Crews began placing concrete on November 27. The concrete was transported across the canyon on platforms using slings suspended from a cable 300 feet above the creek.

The bridge was completed on October 15, 1932, although the highway was not finished for another five years. The bridge was necessary to complete the two-lane road which opened in 1937 after 18 years of construction.

January Event Information

KSPE/MSPE January Lunch Meeting

Lee's Summit Municipal Airport Overview and Runway 18-36 Improvements
Bob Hartnet, Deputy Director of Public Works Admin/Operations, Lee's Summit
Ty Sander, Regional Aviation Manager for Crawford, Murphy and Tilly, Inc

Date: Thursday, January 17th

Time: 11:30am-12:00pm Registration and Networking

12:00pm-1:00pm Lunch and Presentation

Location: The Well

7421 Broadway Street

Kansas City, MO 64114

Cost: \$20

Registration: Register online [here](#)

ASCE/KSPE Joint Event

Buffalo Wild Wings and the Missouri Mavericks Game

Date: Friday, January 25th

Pre-Game: 5:00

Game: 7:00pm

Location: Buffalo Wild Wings

19100 East Valley View Parkway

Independence, MO 64055

Cost \$28 (includes Buffalo Wild Wings buffet and drinks and game ticket)

Registration Deadline: January 16th ([Registration Link](#))

Contact: Zac Coppersmith

Kansas City YMG

zachary.coppersmith@hdrinc.com

Save the Date!

Thursday, February 28th

ASCE/KSPE Lunch Meeting
Adam Stodola - "Future of the Engineer"

Thursday, February 21st

E-Week Luncheon

Thursday, March 21st

(Tentative Date)
NCAA March Madness Watch Party

Volunteers Needed

BRIDGE BUILDING

The Eastern Chapter's 36th Annual Model Bridge Building Contest will be held at 10:00 AM on Saturday, February 2, 2019 at the Museum at Prairiefire in Overland Park, Kansas. Students in grades 9 through 12 within the Eastern Chapter's region are eligible to compete in the Model Bridge Contest.



The contest encourages students to get involved in a challenging and fun engineering project. The students each design and construct their own model bridge made entirely of basswood sticks and glue. The model bridges are then loaded to failure to determine the bridge's structural efficiency (total mass supported divided by the mass of the bridge). The bridge with the highest structural efficiency wins. The top three Volunteers are always needed to assist students with testing of their bridges. If you are interested in helping with the contest, contact Mark Johnston at 816.945.5898 (mjohnston@hwlochner.com).

MATHCOUNTS

We are once again coming up on that time of year when we hold our annual MATHCOUNTS competition for the Eastern Chapter of KSPE. This year's competition will be on Tuesday, February 5, 2019. Like before, it will be held at the Jewish Community Center of Greater Kansas City (5801 W. 115th Street, Overland Park, KS 66211).

We need volunteers to help grade, register schools, monitor tests, and help with the awards presentation. Positions are needed for the following times:

Grade & Monitor Tests (majority of people): 9:00 a.m. – 1:00 p.m.

Set up: 7:00 a.m. – 9:00 a.m.

Registration: 8:00 a.m. – 9:00 a.m.

Countdown Round & Awards: 1:00 p.m. – 2:30 p.m.

**Lunch will be provided for all volunteers.*

If you would like to volunteer for more than one task, please feel free to stick around as much as you like throughout the day.

If you are available and willing to help out with the competition or if you have any questions, please contact Rachel Henkhaus at 913.219.6738 or by email at REHenkhaus@GarverUSA.com.

COMPANY DONATIONS

Promotional Items Needed

Bridge Building and Mathcounts are teaming up to collect company promotional items for giveaways to Middle School and High School students at these competitions this year!

We are looking for two or up to a set of 10 items with company logos that will be raffled off

Lower Price Range (Sets of 10 for a team)

- Flexible Rulers
- Fidget Spinners
- Stress Ball
- Drawstring Backpack
- Hardback Journal
- Sunglasses



Higher Price Range (2 items, one per competition)

- Beach Towel
- Hat
- Camelback Water Bottle
- Duffle Bag
- Blanket
- Clear Stadium Bags/Backpacks
- Headphones
- Charge Cables
- Power Banks
- All-in-one Charging Kits
- Bluetooth Speaker
- Calculators



If your company would be interesting in donating company promotional items, please contact Rachel Henkhaus (Mathcounts Coordinator, REHenkhaus@GarverUSA.com) and Mark Johnston (Bridge Building Coordinator, MJohnston@hwlochner.com) and let us know your donation idea. Please see this as low cost publicity for your company, where we will put some pictures of happy students holding company promotional items in a future newsletter.

KANSAS CITY - SOUPER BOWL OF CARING

Event Date: Sat, Feb 2, 2019

Time: 8:30 AM to 10:30 AM

Event Meeting Location:

Harvesters' Kansas City facility

3801 Topping Avenue, Kansas City MO 64129

[View Location Map](#)

Event Description:

Join thousands of people across the nation in the fight against hunger during Souper Bowl Weekend of Caring, on February 2nd. Don your favorite football team's jersey and schedule your group to volunteer for a two-hour shift at Harvesters. After volunteering and doing their part to end hunger, groups will participate in a short activity and have a bowl of soup to symbolize what may be the only meal a food insecure person would receive in a day.

Additional Information:

The following are important things you need to know about volunteering in our warehouse:

- Children under the age of 8 are not permitted in the warehouse for safety reasons.
- Closed toed shoes are required.
- Dress casually (jeans and t-shirts, and sweatshirts to layer in the winter)
- Please leave all valuable jewelry at home. This includes rings which may come off in the packing process.
- No food, gum, or drinks are permitted in the warehouse.
- Cell phone usage is not permitted in the warehouse.
- All volunteers must be free of contagious illness (runny nose, colds, the flu, strep throat, etc)

Volunteers are strongly encouraged to bring food donations of soup with them or to host a food drive prior to volunteering. Our goal is to collect 900 cans of soup.

Must be eight years or older to participate; students 15 years old and younger need to be accompanied by an adult.

Volunteers are also encouraged to bring food donations with them or to host a food drive prior to volunteering. Our goal is to collect 900 cans of soup. If your group brings in 5 cans of soup per person, you will be entered into a drawing to win some fun prizes!

For More Information: Contact Anne Schroder aschroer@gbateam.com

To: Engineers Week Enthusiasts and Sponsors

Re: Engineers Week *Business Journal* Supplement – Call for Articles

It is time once again to begin preparing articles to be considered for publishing in the annual Kansas City *Business Journal's* Engineers Week supplement. The *Business Journal* has a readership of nearly 70,000 business professionals and provides an outstanding venue to achieve some of the Engineers Week's primary goals. These goals include celebrating how engineers make a difference in our world, increasing public dialogue about the need for engineers, and bringing engineering to life for kids, educators, and parents. The supplement is scheduled to be published in the February 22, 2019 *Business Journal* edition.

The 2019 Engineers Week theme is "Invent Amazing". In keeping with this theme, articles should celebrate how engineers make a difference in the world. Historically, articles have highlighted local engineering projects and products, promoted youth career exploration activities, and promoted engineering as an exciting career. Articles should be **800 words or less**, include a photograph or other graphic if possible, and include a headline and authored by statement to be included at the end of the article. The authored by statement may include the author's title and employer's name, but may not include phone numbers, email addresses or websites. Contact information in the body of the article will also be edited out. The due date for submitting articles is **January 17, 2019** to allow Engineers Week Committee volunteers time to review and select the articles and submit them to the *Business Journal* for formatting and printing. Articles should be in Microsoft Word format and submitted by e-mail to cody.porter@wilsonco.com (For files larger than 6 MB please contact for ftp instructions.)

Please Submit Articles To:

Cody Porter, IE
Wilson & Company
800 East 101st Terr., Suite 200
Kansas City, Missouri 64131
(816) 701-3155
cody.porter@wilsonco.com

Business Journal Advertising Contact:

Tracey Passantino
Kansas City Business Journal
(816) 777-2227
tpassantino@bizjournals.com

Advertising is an integral part of the supplement and will ultimately govern its size and the number of articles that can be published. It is not required to purchase advertising to have an article published; however, those firms or individuals who purchased advertising will be given priority if space is limited (and in recent years, space was limited). Please review the attached advertisement information sheet and contact Tracey Passantino if you have any questions. Advertisement space reservations are due to the *Business Journal* by **January 25, 2019**. We look forward to your participation to make this year's Engineers Week a huge success.

Sincerely,
The Engineers Week Committee



EASTERN CHAPTER
KANSAS SOCIETY OF
PROFESSIONAL ENGINEERS

Kansas Society of Professional Engineers - Eastern Chapter

Treasurer's Report: December 2018

Beginning Balances Date: November 15, 2018

Ending Balances Date: December 18, 2018

Checking Account

Beginning Balance			\$ 2,354.97
<i>Deposits</i>	Nov 2018 Meeting	\$ 700.00	
		Total Deposits \$ 700.00	
<i>Withdrawals</i>	Check 1213 - E-Week Postage	\$ 266.00	
	Check 1214 - Ex. Secretary	\$ 200.00	
	Check 1215 - Dec. Social	\$ 262.77	
		Total Withdrawals \$ 728.77	
Ending Balance			\$ 2,326.20

Savings Account

Beginning Balance			\$ 14,431.35
<i>Deposits</i>	Interest	\$ 3.56	
		Total Deposits \$ -	
<i>Withdrawals</i>	None	\$ -	
		Total Withdrawals \$ -	
Ending Balance			\$ 14,434.91

Money Market

Beginning Balance			\$ 5,481.48
<i>Deposits</i>	Interest	\$ 7.54	
		Total Deposits \$ 7.54	
<i>Withdrawals</i>	None	\$ -	
		Total Withdrawals \$ -	
Ending Balance			\$ 5,489.02

Cash on Hand

Beginning Balance			\$ 332.83
<i>Deposits</i>	None	\$ -	
		Total Deposits \$ -	
<i>Withdrawals</i>	None	\$ -	
		Total Withdrawals \$ -	
Ending Balance			\$ 332.83

EFK Account

Beginning Balance			\$ 7,285.32
<i>Deposits</i>	None	\$ -	
		Total Deposits \$ -	
<i>Withdrawals</i>	None	\$ -	
		Total Withdrawals \$ -	
Ending Balance			\$ 7,285.32

Total \$ 29,868.28

Kurt J Rotering, Treasurer KSPE EC
December 18, 2018

December Meeting Minutes

Board Meeting Minutes

Monday, December 17, 2018

Via phone conference

Attendees: Charlie Love, Ryan DaMetz, Rachel Henkhaus, Rod Holcomb, Kurt Roterling, Allison Bruner.

Call to Order 4:06 PM

- Approve agenda

Reports:

- Previous meeting minutes – Approved via publication in newsletter
- Treasurer’s Report – Will be emailed out following this meeting and approved via email.

Committee Reports:

- Legislative – State Government Relations committee held first meeting. Will start planning Statehouse visit after the New Year.
- MATHCOUNTS – 22 schools have signed up. Looking for volunteers and will include something in upcoming newsletter and an email at a later date. Still looking for SWAG donations. Will order testing material and awards later this month.
- Model Bridge Building – Set for Saturday, February 2 @ Prairie Fire Museum. Event notices have been sent. Blue Valley Southwest will not be attending this year.
- Fundraising – Request/information has been sent out and Rod is starting to hear back from companies.
- Membership – No report.
- Awards – Accepting nominations for Engineer of the Year through Jan. 25th with the expectation we can vote the following week. This will give time to include winner for EWeek activities. Other awards will be accepted through March 15th and discussed at March board meeting.
- Young Engineers – 15 attended the Chiefs watch party with 8 being non-members. Follow up email was sent to attendees to thank them for attending and provide more information on KSPE. Overall this event was a success.
- Engineering Preparation – No report
- Engineer’s week – Set for February 21. Planning committee working to finalize details with speaker. Currently contacting universities for booth setups and cities for Eweek resolutions. Volunteers will be needed for this event.
- Advertising – No report
- Community Service Project(s) – Souper Bowl event is set for Feb. 2nd at Harvestors. Information can be found in newsletters.
- State Director – no report.

December Meeting Minutes Continued

Chapter Meetings

- January: joint meeting with MSPE & planned by MSPE – Date set by MSPE is Jan. 17. More details to come at later date.
- February: joint meeting with ASCE & planned by KSPE – Set for Thursday, February 28th. Adam Stodola will be presenting on the “Future of the Engineer.” This will be a lunch meeting with more details to come at later date. We plan to use Eventbrite for online registrations.
- March: March Madness event – Tentative for March 21 – NCAA March Madness watch party.
- April: joint meeting with MSPE/SAME planned by MSPE
- May: Awards meeting – Tentative for May 16th.

Old Business

- KSPE table setup: Looking to get table cloth with KSPE logo
- Online registration and payment possibility – Used for the December meeting and plan to use for February meeting.
- 2019 National NSPE conference will be in Kansas City – Planning is underway and we are Looking for Volunteers
- The state conference is June 12-14 in Wichita.

New Business

- Newsletter deadline Friday December 28th, 2018
- Current Secretary Status: Our current Chapter Secretary, Ozzy Bravo, will soon be relocating out of state and will no longer be actively serving in his role. He will be replaced via voting in a new secretary during officer elections in May. Given Ozzy is currently listed on our chapter bank accounts, it was agreed to go ahead and have him removed from the accounts as soon as possible. Current secretary duties will be filled by other board members.

The goal of KSPE is to promote, recognize, and enhance the engineering profession by delivering professional development products and services, encouraging licensure, and advocating legislation and public policy for the betterment of human welfare and the profession.

Professional Directory

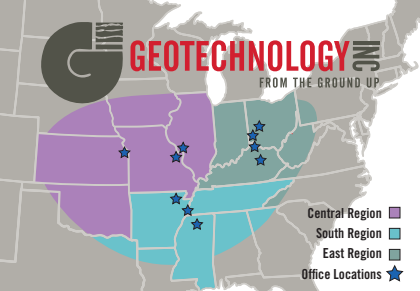
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