



Civil Engineer^{KANSAS CITY}

THE NEWSLETTER

October 2014

UPCOMING EVENTS

October

21th— Meeting with UMKC

28th— YMG Johnson County Gateway Presentation

November

4th – Joint Meeting with SAME

7th— 2014 Annual Geo-Confluence

18th—YMG November Meeting

The Kansas City Section Presents:

Presentation - UMKC's Development Plan and Upcoming Projects.

Date: October 21, 2014

Location: Minsky's
5105 Main St.
Kansas City, MO 64112

Time: 5:30 Social/Registration/Meal/Presentation

Menu: Pizza and non-alcoholic drinks

Cost: \$10.00 for members, free for students

Speaker: Mr. Greg Silkman, Manager of Planning, Design, and Construction at UMKC

Register Here: <http://events.r20.constantcontact.com/register/event?oeidk=a07e9vtuu0qfddf9f91&llr=nj4vwaoab>

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From the President

As we kick off this New Year, I am reminded of the quote, "If I have seen further than others, it is by standing upon the shoulders of giants." **Isaac Newton.** The ASCE KC Board would like to honor those who have served this section by continuing to serve our membership with excellence. It is for this reason we have established the Goals presented below.

Goals:

Communications: To better communicate with our membership using multiple resources in a timely manner. Our goal is to create a more cohesive and inclu-

sive section by improving communication between the Board, Institutes, Committees and Membership. Brant Vermeer our Newsletter and Website Chair has a huge role to fill and ALL information is advertised and distributed through him. He does an amazing job keeping up with all of it!

Professional Activities/Scholarships/Awards: To recognize and publicize the accomplishments locally and submit them nationally. Everyone should be recognized for their accomplishments. This year we would like to create more local awards that can then be submitted to National Awards. Chad Johnson and Chester Bender are leading this effort.

Technical Activities and Institute Activities: To offer continuing education to our members through the Geotech Institute, EWRI and SEI. These groups also provide large scholarships to UMKC and KU. Bill Powers, Brandon Hardon, and Marc Schlebusch will lead these groups with excellence.

Membership: To retain and attract members, Alysen Abel doing a great job revitalizing the membership committee and Joel Cerwick has some great ideas to get the Life Member Involvement Committee going.



From the President, Cont'd

Public Outreach/Education Activities: Become the recognized authority and advocate for infrastructure related issues. We will be communicating student outreach opportunities to all of our membership. The “Kiosk” is nearing construction due to the persistence of Roy Bravo, Sheryl Gallagher and Dave Silverstein and many others I am sure. Ernie Longoria and the Government and Public Relations Committee are dreaming up ways to impact the decisions of our elected officials and reach the public through media. Debra Wray and Kensey Russell leading the History and Heritage Committee have been instrumental in getting the new engineering landmark plaque recognizing the Kansas City Park & Boulevard System.

The UMKC Student Chapter, with Sean Micheal leading them, has taken on a huge event this year as host of the National Steel Bridge Competition. They expect 50 teams from around the country to attend this event (over 600 students!). There will be plenty of opportunity for volunteering and help funding this huge event.

Diversity And Inclusion: To meet the needs of our diverse membership Nicole Tauheed has spearheaded this committee. Their Mission is: To create awareness within our Section on the vast diversity amongst our members, opening the door for differences to be understood and valued, fostering a culture of acceptance and inclusion. They exceeded expectations already by hosting the September Luncheon with a wonderful presentation from Mr. Mahesh Sharma.

Sustainability: This committee was created early this year with the purpose: To Raise awareness and promote sustainable development principles at a local and state level through professional development and outreach activities. Doug Dietrich and Brent Gerard have been hard at work creating alliances with other like-minded organizations and have collaborated to put on two very successful events. The first was an expert panel discussion about the Envision Rating System and its use in KC and Case studies. The most recent event was an Inspiring Film Festival focusing on Sustainability.

Special Section Events & Activities: Mike Winkler and the YMG are ready for another hugely successful year! Their annual Golf Tournament was triumphant for the Make a Wish Foundation. This group does it all...philanthropies, student outreach, highway cleanups, professional development, sporting events and tailgating, as well as monthly social happy hours. Don't be fooled by the name of the group, EVERYONE IS WELCOME!

We have an Excellent Board and Leadership this year! I am so proud of all their accomplishments already and thrilled to see what is to come! As you can see from our goals we will appreciate any help that can be given. There are so many opportunities to step up and volunteer or take on a leadership role. I challenge you to step up and get involved. If you are interested please do not hesitate to contact me.

ASCE Government & Public Relations

Note: This article previously appeared in the July 2014 KCAPWA newsletter, but with this year's National ASCE convention being held in Panama next month, we thought it timely to include it in the ASCE newsletter. - Author

One hundred years ago, the world saw the completion of one of the largest Public Works projects in the modern era, the Panama Canal. It was the culmination of centuries' of dreams and explorations to find a fast trade route from the Atlantic Ocean to the Pacific Ocean and beyond. That monumental achievement and the saga that led to its' construction are on display in the exhibition The Land Divided, The World United: Building the Panama Canal at the Linda Hall Science and Engineering Library on the University of Missouri - Kansas City campus.

The curators and library staff have put on in-depth exhibition telling story of the Panama Canal beginning through the use of early maps and charts from the Age of Explorers to the use of Panama



as a shortcut to California and the lure of gold fields. The display discusses the first efforts at construction of a canal through Panama. The French having completed the Suez Canal felt they could also build an at sea level link between the Atlantic and Pacific Oceans. Unfortunately, they didn't count on the struggle in the mountainous, jungle terrain, difficult weather, and dangerous sicknesses and disease that eventually forced them to abandon their effort.

One of the principle engineers of the US effort, A.B. Nichols diligently took pictures and kept project diaries of the construction. His records make up much of the American part of the exhibition. He documented the burdens of the laborers and the different classes or workers. Mr. Nichols talked about the construction difficulties of the heat and humidity of the dry season which cause upheaval in the soils and the peril of mudslides during the rainy season. Mudslides that filled construction trenches and buried men and machine alike. Records and photographs also tell the story of medical war to combat Yellow and Malaria Fevers resulting in vaccines that still save lives today.

The exhibition ends with displays about the recent effort to modernize the Panama Canal, post-US involvement. As the world has become smaller, trade ships have become larger stressing the already busy canal and lock system. A scale model and video displays tell how the Canal will remain just as important in the 21st Century as it was in the last.

For more information and hours the exhibition is open, visit: http://www.lindahall.org/events_exhib/index.shtml.

For more reading about the complicated history of the Canal, visit:

<http://hbswk.hbs.edu/item/6402.html>



Outstanding Younger Member Award



We congratulate Sara Somsky on receiving the well-deserved ASCE Region 7 Outstanding Younger Member Award! Sara has been an asset to the Kansas City Section of the American Society of Civil Engineers, serving as President of the Younger Members Group and nearly every role within that group. She was elected by her peers last year and now serves on the Section's Board of Directors. Sara's commitment to promoting her profession and community service extends beyond her involvement in ASCE. However, we think what makes her most proud is her work mentoring peers, student outreach and volunteer work throughout the community. Sara also excels at her profession as the Geotechnical Department Manager at Terracon. The Section Board is lucky to have Sara and she certainly brings expertise, enthusiasm, and commitment to ASCE. Congratulations Sara and thank you for your leadership!

Younger Members Group

YMG Kickoff Meeting; a Great Way to Start the Year!

YMG hosted its annual kickoff meeting on Wednesday, September 3rd at Waldo Pizza in the Waldo district. This was the largest turnout for the kickoff meeting for, at least, the last six years, with 39 people in attendance! Come out to our next monthly meeting, scheduled from 6 PM to 8 PM on Tuesday, October 21st at the Granfalloon.

Sporting KC game; great turn out, great game!

ASCE's YMG organized a tailgate and attendance at the Sporting KC game vs. Saprissa. 53 individuals attended the tailgate and 55 attended the game. Sporting KC won the match, 3-1! Thanks to everyone who volunteered to organize this and to the individuals who attended!



Diversity Committee

Spotlight: An Introduction to the New Diversity and Inclusion Committee

"It is not our differences that divide us. It is our inability to recognize, accept and celebrate those differences." - Audre Lorde

The newly formed Diversity and Inclusion Committee (CDI-KC) was created to bring awareness to the cultural diversity of our members, not only in the work place but in our everyday lives. The goal is to build bridges between ethnicities, cultures and genders to recognize the similarities we share, as well as the things that make us differ.

Events have been planned throughout the year to help accomplish this goal. The first event was held on September 10th at Cinzetti's Italian Market, where CDI-KC hosted the Monthly Member's Meeting. The speaker, Mr. Mahesh Sharma, City Administrator for the City of Raytown, gave a wonderfully entertaining and informative presentation titled, "Solving the Diversity Puzzle". Thank you to those who came out to support the event!



Planning is underway to host a Diversity Panel Discussion slated for Spring 2015. The hope is to partner with the local chapters of technical organizations such as SWE – Society of Women Engineers, NSBE – National Society of Black Engineers, and APWA – American Public Works Association to organize the event. The Panel will bring engineering leaders from the community together to discuss various topics related to diversity and the work force. More details will be available in the coming months!

Lastly, in these Quarterly Newsletters, CDI-KC will spotlight a local engineer, their path to engineering and current career. Please stay tuned to the Diversity Corner and www.kcengineers.org for details on this and all upcoming events and activities.

The Diversity and Inclusion Committee is chaired by Nicole Tauheed, Civil Engineer with DuBois Consultants.

Meeting Sponsorship

In August, ASCE Kansas City Section – Board, announced the Meeting Sponsorship Program.

This opportunity will allow civil engineering – firms, vendors, manufacturers, contractors or entities to gain valuable market exposure by actively sponsoring monthly breakfast, luncheon or dinner meetings. There is a distinct advantage to be recognized at these meetings, where various members of the engineering and construction community gather.

The criterion for the Meeting Sponsorship Program is as follows:

One (1) Sponsor per meeting

Sponsor name appears on meeting invitation

A table space will be available, just inside the entrance to the meeting area, for the Sponsor to arrange a display and have a couple of representatives to make promotional materials available.

Two (2) lunches for Sponsor representatives

Sponsor introduction with a 5-minute presentation at the beginning of the meeting

Display the Sponsor logo on the welcome screen before the program

A donation of \$300 (check made out to “ASCE Kansas City Section”)

Please see the upcoming meetings dates below:

October: Tentatively set for the 21st. Joint meeting with the UMKC Student Chapter

November: The 4th, joint meeting with SAME

January: Tentatively set for the 6th. Joint meeting with EWRI.

April: Tentatively set for the 21th. The ASCE awards with the ASCE National President-Elect.

May: Tentatively set for the 12th.

We look forward to this program, to help improve networking familiarity in the metro area. If you have any questions, please contact John Blancett, PE, ENV SP (jblancett@hntb.com or 816-527-2539).

Membership Committee

RENEW YOUR ASCE MEMBERSHIP

By now, you should have received your renewal forms from Society. Please take a minute to review some of the benefits to your ASCE Membership in the in the “101 Ways to Benefit from ASCE”, which can be found on Society’s website at, <http://openweb.asce.org/files/members/101-Ways-to-Benefit-from-ASCE-2014/index.html>.

Here are a few highlights:

MEMBERSHIP BENEFITS:

1. Education

Professional Development Hours (PDHs) are available at most of our Monthly Membership Meetings and Committee Events.

Membership to ASCE includes up to FIVE free ASCE On-Demand Webinars per year. Earn PDHs for each one you complete.

2. Publications

Receive the Civil Engineering magazine.

Receive exclusive discounts on publications through ASCE.

3. Networking

Network with practicing Civil Engineers.

Develop business contacts and meet new colleagues.

Connect with Civil Engineers at various stages in their careers.

4. Leadership

Gain valuable leadership skills through committee involvement.

5. Community / School Outreach

Participate in community service projects.

Encourage the next generation of Civil Engineers.

Congratulations To Our New Members

Ethan Buhman, EIT, A.M.ASCE	Jessica Nixon P.E., M.ASCE
Jacob Clouse, EIT, A.M.ASCE	Maxwell Pafunda A.M.ASCE
Jason Cook, P.E., M.ASCE	Thomas Paulson III, EIT, Aff.M.ASCE
Tyler Curry, EIT, A.M.ASCE	Jay Quint, P.E., P.Eng, M.ASCE
Doug Dietrich, A.M.ASCE	Kyle Roberts EIT, A.M.ASCE
Mary Erio, Aff.M.ASCE	Trent Robinett, P.E., M.ASCE
Jacquelyn Ferguson, EIT, A.M.ASCE	David Rodriguez, P.E., M.ASCE
Matthew Fowler, EIT, A.M.ASCE	Ehren Schmiedeler, EIT, A.M.ASCE
Steven Hamadi, Aff.M.ASCE	Aaron Schneider, EIT, A.M.ASCE
Emily Hovda, Aff.M.ASCE	Josh Sebolt, Aff.M.ASCE
Snehal Kadam, Aff.M.ASCE	Toni Tabbert, A.M.ASCE
Martha Knight P.E., M.ASCE	Nicole Tauheed, EIT, A.M.ASCE
Aaron Kranc Aff.M.ASCE	Kimberly Waggoner P.E., M.ASCE
Thomas Miller II, Aff.M.ASCE	Chad Wisham, A.M.ASCE

PE Review Course Scholarships

A limited number of tuition reduction scholarships of \$400 each were available for the UMKC Fall 2014 PE Review course. The PE review course began on August 26th, 2014 and ended on October 11th, 2014. This scholarship is was made available to active ASCE chapter members who are current on their dues. The scholarships are not cash awards but paid directly to UMKC to reduce the cost of attendance for recipients. Congratulations to James Cole and Frederic Brown for earning this scholarship. We encourage more participation in this opportunity next year.

ASCE Life Members for 2014

For 2014 our Section had a total of 18 members qualify for Life Membership. "Achieving Life Membership in ASCE requires a career of service to ASCE and the Civil Engineering profession. A member who has reached the age of 65, and has paid dues in any membership grade for a number of years such that when added to their age equals or exceeds 95 and has paid dues for 20 years, qualifies for Life Membership". The Section always recognizes our new Life Members at our April Awards Luncheon. The following seven new Life Members attended the April 22nd luncheon last spring:

Dr. Craig Denny, PE, D. GE. F.ASCE: Terracon
 James (Jim) Guthrie, PE, M.ASCE: Black & Veatch
 Gerald (Jerry) C. Johnson, PE, M.ASCE: Shafer Kline & Warren
 James (Jim) M. Melvin, PE, M.ASCE: Retired
 Frank B. Nelson, PE, M.ASCE: Retired
 Roy E. Obermiller, M.ASCE: REO Engineering
 Ronald (Ron) L. Younker, PE, M.ASCE: Burns & McDonnell

The following eleven new Life Members were unable to attend the Awards Luncheon:

Keith Boyd	
Thomas Buechler	Lake City Army Ammunition Plant
Stephen Ihnow	Black & Veatch
Les Lampe	Black & Veatch
Ordean Oskvig	Black & Veatch (retired)
Charles Powell	CEPCO, Ozark, MO
Len Rodman	Black & Veatch (retired)
Wayne Smith	URS Corp.
Russell Titus	Burns & McDonnell (retired)
John Van Deurzen	Van Deurzen & Associates (retired)
Jerald Whitford	Whiteman Air Force Base

Fellow Membership Criteria

There is no direct admission to Fellow status, there is a formal application process to be considered. Fewer than 4% of the ASCE members receive this distinction. Fellows are practitioners, educators, mentors, and leaders. They have distinguished careers in the Civil Engineering profession. The accomplishments of Fellows have left their marks on their communities, society, and future engineering professionals.

If you are interested in pursuing the Fellow status, please contact Alysen Abel, Membership Committee Chair, at alysen.abel@opkansas.org for more information.

ASCE Fellow Members

Michael Beehler, P.E., F.ASCE	Robert Mc Cloud, P.E., L.S., F.ASCE
Earl Bishop, F.ASCE	Maurice Miller, P.E., F.ASCE
Phillip Borrowman, F.ASCE	Deborah O'Bannon, P.E., F.ASCE
Thomas Buechler, P.E., F.ASCE	Ordean Oskvig, P.E., F.ASCE
Theodore Cambern Jr., Ph.D., P.E., F.ASCE	James Patton, P.E., F.ASCE
Michael Carvan Jr., P.E., F.ASCE	Roddy Rogers, P.E., F.ASCE
Joel Cerwick, P.E., F.ASCE	Dave Ruf Jr., P.E., F.ASCE
John Cotton, F.ASCE	George Satterlee Jr., P.E., F.ASCE
Charles Craddock, P.E., F.ASCE	William Schmitz, P.E., F.ASCE
Larry Criger, P.E., F.ASCE	Ray Seidelman Jr., P.E., F.ASCE
Vaiyapuri Danushkodi, P.E., F.ASCE	Kevin Skibiski, P.E., F.ASCE
Keith Davis, P.E., F.ASCE	Lieu Smith, F.ASCE
Craig Denny, P.E., D.GE, F.ASCE	Virgil Snell, P.E., F.ASCE
Charles Fugate, P.E., F.ASCE	Mark Snyder, P.E., D.WRE, F.ASCE
Keith Graham, P.E., F.ASCE	Harold Sprague Jr., P.E., F.ASCE
Ronald Hardten, P.E., F.ASCE	John Stack, P.E., F.ASCE
William Herrin, P.E., F.ASCE	James Steele, P.E., F.ASCE
Michael Horner, P.E., F.ASCE	Kevin Truman, Ph.D., F.ASCE
Donald Hurlbert Sr., P.E., F.ASCE	Terry Uhl, P.E., L.S., F.ASCE
Stephen Iknow, P.E., F.ASCE	Virendra Varma, Ph.D., P.E., F.ASCE
Addison Keckler, P.E., F.ASCE	Philip Vaughan, P.E., F.ASCE
Charles Keller, P.E., F.ASCE	Kenneth Vaughn P.E., F.ASCE
Thomas Knox, P.E., F.ASCE	Peter Zanoni, P.E., F.ASCE
Nelson Lonsdale, P.E., L.S., F.ASCE	Ronald Zitterkopf, Ph.D., P.E., F.ASCE
Paul MacRoberts, P.E., F.ASCE	
Robert Mc Bean, Ph.D., P.E., F.ASCE	

ASCE Kiosk

Roy Bravo, Jr.: Past President and ASB/ASCE Kiosk Project Chairman



Armour-Swift-Burlington Bridge

In 1996, the Kansas City Section of ASCE commemorated the Armour-Swift-Burlington Bridge as National Historical Civil Engineering Landmark. The bridge is located on the river front west of the Heart of America Bridge. In 2002, I became the Chairman of the ASB/ASCE Kiosk Project. The original ASB/ASCE Kiosk concept was for a simple wooden structure with informational panels. The committee consisting of mainly past KC Section Presidents has work with the City of Kansas City, the Port Authority, the River Front Trails, contractors, and various other entities to develop and design the project. Project has evolved by being part of other planned projects but because of funding or scheduling the Kiosk Project was never incorporated in these projects. The current Kiosk Project design consists of using an existing building's foundation and placing six pre-cast concrete structures that will emulate the ASB Bridge's counterweights. The Committee has been working with a couple of Contractors to get bids and complete the project this year.

UMKC Steel Bridge Team

The ASCE Student Chapter at the University of Missouri – Kansas City is proud to announce that we will be hosting the 2015 ASCE/AISC National Student Steel Bridge Competition. The event will be held next May 22nd – 23rd with an estimated attendance of over fifty engineering schools bringing teams to compete. As hosts, the UMKC–ASCE student chapter aims to highlight the very best that Kansas City has to offer; the thriving engineering community, an exciting downtown, a great engineering school, and of course, our famous Kansas City barbeque. As part of the event, we will be debuting the 1st annual Kansas City engineering barbeque championship. Stay tuned for details.

Along with planning this exciting event, UMKC–ASCE is practicing hard for the Steel Bridge regional competition at Oklahoma State University in Stillwater, OK on April 25th. We have high hopes to be competitive and earn a spot at this year's National Competition at the University of Akron this coming May.

As the semester is wrapping up, UMKC–ASCE is continuing to focus on the core values of developing our student members into future leaders in the Civil Engineering industry by providing networking opportunities with Professional Engineers in the Kansas City Area. UMKC–ASCE is pleased to be completing another successful academic term, and looking forward to an exciting and action packed year. GO STEEL ROOS!



UMKC – ASCE Steel Bridge Team, L-R: Laura Irwin, Marco Toapanta, Jose Lopez, Spencer Solon, Tim Hines, Joe Keim, Ahmed Alkhalidi, Jessica Lowe, Sean Micheal

Kansas City's Parks and Boulevards System Receives New Historic Civil Engineering Landmark Plaque

In 1964, the American Society of Civil Engineers began the Historic Civil Engineering Landmark Program, which recognizes historically significant projects, structures and sites. Currently there are more than 260 landmarks acknowledged worldwide. Kansas City is home to two of these landmarks: the Kansas City Parks and Boulevards System (recognized in 1974), and the Armour-Swift-Burlington Bridge.

The physical layout of Kansas City is in large part due to the designer George Kessler, the Board of Park Commissioners, and the landscape architecture firm Hare and Hare. In 1893, Kessler and the Park Board President, August Meyer, outlined a system of parks, boulevards and parkways, and distinctive neighborhoods in a report titled, “*Embracing Recommendations for the Establishment of a Park and Boulevard System for Kansas City*” to address the difficulty in traversing the city.



Cliff Drive. KANSAS CITY, Mo.
Historic Kansas City Foundation Postcard Collection

The report outlined three major parks—North Terrace (today’s Kessler Park), West Terrace, and Penn Valley. The system would link these three major parks with approximately ten miles of “parkways” including Independence

(already in existence), Linwood, Armour, The Paseo, and East (now Benton). Kessler and Hare also “helped to envision what was originally a cow path into Cliff Drive, now a Missouri Scenic Byway, a six-and-one-half mile, winding roadway that meanders through North Terrace Park.”

More details on the installation of the new plaque honoring this historic significance will be included in a future newsletter.

George E. Kessler, “*The Kansas City Park System and Its Effect on the City Plan*,” Good Roads 13 (June 2, 1917), 322.

We're on the Web!
www.kcengineers.org

