Introducing Interim Dean Larry Holloway

Earlier this year, the University of Kentucky College of Engineering announced that Dean John Y. Walz was leaving the University to assume the presidency of the Milwaukee School of Engineering, effective July 1. Without question, he was a tremendous leader. He and his team created considerable momentum to propel the College of Engineering, and we are pursuing an ambitious strategic plan that provides vision and guidance for the future.

Lawrence E. Holloway, Ph.D., was named interim dean and he is committed to continuing the momentum and sense of focus until a new dean is named.

Holloway joined UK and the Department of Electrical and Computer Engineering in 1991 and recently completed nine years as department chair. He previously served as director of UK’s Power and Energy Institute of Kentucky (PEIK) and Center for Manufacturing. In addition, he holds the title of TVA Professor of Electrical and Computer Engineering and continues to serve as state director of Kentucky/DOE EPSCoR.

He received a bachelor’s degree in electrical engineering at Southern Methodist University and a master’s degree and doctorate in electrical and computer engineering at Carnegie Mellon University.
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Kentucky Society of Professional Engineers
Learn more about KSPE and its vision and mission by visiting the Kentucky Engineering Center website at http://www.kyengcenter.org!

To get information on joining KSPE, contact Jennifer Gatewood at jennifer@kyengcenter.org

Cover photo of NSPE Young Engineer of the Year, Jason Stith courtesy of NSPE and Christie’s Photographic Studios

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Since I took over the reigns as president of the Kentucky Society of Professional Engineers (KSPE) in April, it has been an interesting time.

In June, your KSPE Board of Directors, past chairs, and chapter officers met to discuss opportunities and challenges we see over the next year and how we want to address them. We received great input and feedback that will help guide us and KSPE staff as we work through this upcoming year. My thanks to all of those who participated and gave of their time and knowledge to help drive the agenda for KSPE.

Also in June, I and a few other KSPE officers had the opportunity to attend the annual National Society of Professional Engineers (NSPE) Convention in Dallas, Texas. It was my first opportunity to participate at the national level, and I was impressed with the professionalism at NSPE and their renewed efforts to engage with the state engineering societies and represent our profession at the national level. It is my observation that NSPE has renewed their efforts to be a great ambassador for our profession on the national level and to support the state chapters in their endeavors. I encourage you to consider becoming a member of NSPE in the future, if you are not already.

It was a particularly special treat at this year’s national convention to see one of our own, Jason Stith, P.E., Michael Baker International, be recognized as the NSPE Young Engineer of the Year for 2016. In the last 12 years, Kentucky has had four of its Leadership PE alumni receive the National Young Engineer of the Year Awards – Clay Kelly, Angela Akridge, Scott Wolf and Jason Stith.

There are many great initiatives happening at KSPE, and we are blessed with an active society of engineers dedicated to promoting their profession in Kentucky. We have been blessed with great stability and a great staff at the Kentucky Engineering Center (KEC); however, in the last several months we have experienced some turnover and I want to address this matter.

In February, Derek Guthrie resigned as the Executive Director of KSPE after serving nearly three years in that position. At that point, a joint hiring committee of KSPE and ACEC-KY officials began the formal process of finding our next Executive Director. After many hours of meeting, conferring, reviewing resumes, and conducting interviews, we identified the person we thought could best lead KSPE forward in our current initiatives and to address future challenges. Mike Mangeot began as the KSPE Executive Director on June 27; on July 5, he notified us that he planned to resign because he felt that he was not a good fit for the position. The hiring committee was understandably upset, but prefer facing this decision now as opposed to several months from now. We have resumed our efforts to hire the next KSPE Executive Director and hope to have that person named soon.

I could tell you about all of the initiatives, goals, and plans I have as your KSPE President, but I want you to understand that the majority of my current focus is on helping to identify, hire, and create an environment of success for the next Executive Director of KSPE. I have little concern about the well-being of KSPE. With the service of our Acting Executive Director, George Binder, and with the committed service of our staff, Marcie Fisher and Jennifer Gatewood, I know KSPE will continue to run smoothly and effectively; however, to move KSPE forward and to prepare for our future, it is imperative we hire a leader who is committed to the challenges that we will face and who wants to be the face of the Kentucky Society of Professional Engineers. I am eager to partner with the Executive Director to help shape the direction of our organization.

I want to thank those who participate in KSPE, whether at the chapter level or at the state level, for your service to our society and to your profession. I look forward to working with you over the coming year to move our profession forward in Kentucky. If I can be of service to you, please contact me.

Sincerely,

M. Chad LaRue, P.E.
KSPE President
clarue@kahc.org
502-330-5579
Honesty, we cannot believe summer is over! School is starting and work for the year is really picking up. The work definitely increases starting right after Labor Day for the staff at the Kentucky Engineering Center with seminars, programs, Convention planning and more.

Directly following the Labor Day holiday, the American Council of Engineering Companies of Kentucky, along with the Federal Highway Administration and the Kentucky Transportation Cabinet, will be hosting the 21st Annual ACEC-KY/ FHWA/ KYTC Partnering Conference on September 6-8, 2016 at the Galt House Hotel in Louisville. The three-day event started with about 80 people in Owensboro and has grown to an event of 850-900 attendees from across the state, all involved in the Transportation process. On day 1, KYTC employees come together in the afternoon to discuss policies and procedures, with consultants coming in for a reception that evening to network and get prepared for the next day’s schedule. The agenda for day 2, includes eight different tracts of sessions, covering topics in planning, environmental, design, project management, right-of-way, utilities, project highlights and general sessions. It is always a very busy yet successful day, concluding with an evening reception of prizes and networking. The final day brings everyone together into one session for the morning to go over what KYTC feels everyone needs to be aware of for the transportation industry right now. If you have never attended the Partnering Conference and are involved in Transportation in any way, you should definitely be sure to attend this year. You can learn more about the agenda and the Conference by visiting our website’s Calendar, located at http://www.kyengcenter.org.

Then with a brief break in between, KEC Staff will be wrapping up preparations for the 2016 Kentucky Engineers’ Golf Classic. The Kentucky Engineers’ Golf Classic is in its 21st year. It is always a great event, a nice time to get out of the office and network with fellow engineers, all while supporting the KSPE Scholarship Program. Each year, KSPE provides a scholarship to an engineering college student for $2,500 and a scholarship to a Project Lead the Way teacher for $2,500. Of course, the scholarship for the engineering student helps pay for tuition or whatever needs they may have to complete their engineering degree. The PLTW scholarship provides money so those teachers can get the CORE Training they need to be able to teach their engineering students, typically in the high school arena, and advance their PLTW engineering training at their school. To learn more about those lives we were able to make a little easier this year with those scholarships, check out our articles on Taylor Leigh, the mechanical engineering student from Western Kentucky University and Steve Code from Casey County High School’s PLTW program, appearing later in this issue. We would love to have you be part of this great scholarship program and our Golf Classic event this year so get registered to enjoy a great day of golf. This year’s Golf Classic is being held on Wednesday, September 21st at the University Club of Kentucky in Lexington! We look forward to seeing you there!

Once the Golf Classic has concluded, our seminars start really kicking off. For the first time this year, we will be hosting a fall one-day seminar in the Ashland Area on October 5th and in Madisonville on November 9th. We are very excited to bring seminars to both of these areas and cannot wait to see everyone so be sure to get registered. Our other seminars across the state are as follows:

- Somerset One Day Fall Seminar – September 28, 2016 at the Rural Development Center
- Bowling Green One Day Fall Seminar – October 7, 2016 at Western Kentucky University
- Paducah One Day Fall Seminar – October 19, 2016 at WKCTC
- Prestonsburg One Day Fall Seminar – November 16, 2016 at Jenny Wiley State Park
• Lexington One Day Fall Seminar – December 7, 2016 at Clarion Hotel

• KRS 322 MTS Code of Conduct & Expert Witness – December 7, 2016 at Clarion Hotel

• Louisville One Day Seminar – December 16, 2016 at Ramada Plaza

The agendas are still being finalized but will be added once they are closer to completion on the Kentucky Engineering Center website.

Throughout the fall, we also host our first three Leadership PE sessions of the year, including the Orientation session in September, our Communication session in October and our Team Dynamics & Volunteerism session in November. This will be our 19th year for the Leadership PE program. We are looking forward to meeting and working with this year’s class. You will get to meet all 16 of them in the next issue of the Kentucky ENGINEER so stay tuned! For those that might not be aware, Leadership PE is a leadership development program designed to encourage, strengthen and build the professional careers and the civic involvement of entry- and mid- to upper-level engineers. This will be accomplished through organized career-training sessions and networking with business and community contacts and peers, as well as interactive meetings with community decision makers. It will involve a cross-section of leaders or potential leaders who are active in business, education, the arts, religion, government, community-based organizations and ethnic and minority groups. It will reflect the diversity of the professional engineering community. This unique and positive image- and career-building program is designed specifically to benefit persons in the engineering profession. Participants must be either EITs or PEs. They will be selected to participate in eight specially designed leadership experiences over an eight-month period. The charter class was selected in the summer of 1998. Leadership PE follows the concepts developed by Leadership KY and other similar leadership programs. Leadership PE is the first of its kind to focus on professional engineers. As such, Leadership PE was designed, organized and implemented by members of the Kentucky Society of Professional Engineers (KSPE), the American Council of Engineering Companies of Kentucky (ACEC-KY) and the Kentuckiana Post of the Society of American Military Engineers (KP-SAME). If this sounds like something you would be interested in, be sure to contact Marcie at the Kentucky Engineering Center for more information; there is also additional information about the program on the KEC website.

The 2017 KSPE Annual Convention preparation will begin during the Fall as well, we will do a call for topics and the seminars sub-committee will come together to start brainstorming additional ideas for topics and presentations. Be sure to watch for that email from us if you are interested in presenting at the Convention. The Convention is being held in Covington at the Cincinnati Marriott at RiverCenter on April 19-21, 2017. We are very excited to be back in Northern Kentucky for the Convention and plan to have a great time planned for everyone!

Although a busy season, we are looking forward to it and look forward to seeing all of your happy and smiling faces! Be sure to come see us at our seminars, renew your KSPE membership (if it’s up for renewal), join KSPE (if you’ve never been a member) and keep being fantastic engineers! As always, if there is anything we can do to help you, please just let us know. Email Jennifer or Marcie at KEC or call us at 502-695-5680.
Board Members
Don Pedigo, PLS was elected Secretary/Treasurer of the Board; replacing Linda Bridwell, PE. Congratulations to Don.

City Annexations
(The following article was prepared by our Board Investigator, Kyle Elliott, PLS)
With the upcoming 2020 Decennial Census, by the U.S. Census Bureau, the Kentucky Secretary of State’s Land Office goal is to have all of the older Kentucky City annexations, and/or resolutions, filed and mapped before December 1, 2019. Having those annexations mapped and added to city boundaries will ensure the U.S. Census Bureau has the latest available correct data when they download interactive maps from the Commonwealth of Kentucky. Accurate mapping of city boundaries assists in the determination of how billions of dollars in federal funding are divided up among local communities.

In Kentucky, only a licensed professional land surveyor can prepare an annexation map and description. Kentucky Revised Statute (KRS) Chapter 81A describes the requirements of local governments when they chose to enlarge or reduce their existing boundaries, and specifically KRS 81A.470 details the map and description requirements for land surveyors. One of those requirements is for the surveyor to “clearly state on the documents the location of the existing municipal boundary”. An earlier section in the chapter (81A.410) requires that areas to be added to a city’s boundaries must be “adjacent or contiguous to the city’s boundaries at the time the annexation proceeding is begun”.

The Land Office is requesting Kentucky surveyors’ assistance in helping cities ensure their proposed annexation areas are adjacent or contiguous to the existing city’s boundaries when the surveyor is hired to prepare annexation maps and descriptions. Existing city boundaries can be viewed through the Secretary of State’s website at: http://www.sos.ky.gov/admin/land/cities/Pages/default.aspx. Surveyors should understand there might be conflicts between the maps as viewed at the above portal, the city’s own city map, and the city’s ordinances because of mapping errors, improper filings or filings never made to the Secretary of State’s office. Gaps between existing and proposed city boundaries should be addressed with local officials and the Secretary of State’s Land Office prior to the beginning of new annexation proceedings. Kandie Adkinson, of the Land Office, a person long known to surveyors for her knowledge of and assistance with obtaining copies old Kentucky land patents, is available to surveyors and city officials who have questions about the annexation process. Kandie can be reached at (502) 564-3490, or by email at kandie.adkinson@ky.gov.

When preparing city annexation maps, and descriptions, it is not required of surveyors to perform a “boundary survey” as defined in the Standards of Practice (201 KAR 18:150), unless in the opinion of the licensed professional a boundary survey is necessary to protect the public, or if the city client prefers a boundary survey. In such cases the requirements of Sections 1 – 12 of the Standards of Practice should be met. When it is determined by the professional land surveyor that a boundary survey is not required, then Section 13, “Non-Boundary Survey Work”, of 201 KAR 18:150 should be met. In these cases the professional land surveyor has wide latitude in determining which tools he or she uses and what accuracy and precision he or she achieves. The Standards of Practice are available at the Board of Licensure’s website at http://kyboels.ky.gov/Already-Licensed/Pages/default.aspx.

Continuing Education Tracking System
The link to the free tracking system is now available on our website at:

http://kyboels.ky.gov/Already-Licensed/Pages/Continuing-Education.aspx

Please take advantage of this free service where you can track your hours; download attendance certificates; transmit electronically if audited; and use for any state or states you choose.

Seals/Stamps
Please check your seal/stamp to be sure you are not using an old one with “registered” instead of “licensed”. This change was made in 1998 but state agencies are still receiving documents with the old seal/stamp. Please
ENFORCEMENT ACTIONS SUMMARY
For The Period
April 2, 2016 – July 22, 2016

ROBERT KELLY RICHARD, PLS
In April 2014, Mr. Robert Kelly Richard, PLS of Georgetown entered into a Consent Decree in settlement of a disciplinary action against him. Among other things, that agreement called for Mr. Richard to submit a quarterly list of his surveying projects and to pay an administrative fee. Mr. Richard submitted the list for the first quarter of 2016 but failed to pay the fee within the time specified in the Consent Decree. In accordance with the terms of the Consent Decree and after being notified of the default, Mr. Richard’s professional land surveying license was suspended. The suspension became effective May 31, 2016. Mr. Richard subsequently paid the fee. His suspension was lifted effective June 20, 2016.

GERALD PAUL SULLIVAN, PE
On April 1, 2016, Mr. Gerald Paul Sullivan, PE, of Orchard Park, New York entered into a Consent Decree in settlement of a disciplinary action against him. Among other things, that agreement called for Mr. Sullivan to pay an administrative fine of $1,000 and to make up a 7pdh deficit in his continuing professional development (CPD) hours. Mr. Sullivan failed to pay the fine or submit proof of his completion of the makeup CPD within the time specified in the Consent Decree. In accordance with the terms of the Consent Decree and after being notified of the default, Mr. Sullivan’s professional engineering license was suspended. The suspension became effective May 18, 2016. Mr. Sullivan subsequently paid the fine and submitted proof of completion of the makeup CPD. His suspension was lifted effective July 12, 2016.

MALCOLM L. FOSS, PE
On April 1, 2016, Mr. Malcolm L. Foss, PE, of Woodstock, Georgia entered into a Consent Decree in settlement of a disciplinary action against him. Among other things, that agreement called for Mr. Foss to make up an 11 ½ pdh deficit in his continuing professional development (CPD) hours. Mr. Foss failed to submit proof of his completion of the makeup CPD within the time specified in the Consent Decree. In accordance with the terms of the Consent Decree and after being notified of the default, Mr. Foss’s professional engineering license was suspended. The suspension became effective June 21, 2016.

DORIAN EARL ROSS, PE
On January 25, 2016, Mr. Dorian Earl Ross, of Arvada (continued next page)
Colorado entered into settlement agreement with the Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors of Colorado in settlement of a disciplinary matter in connection with the design of an HVAC system. The agreement called for a period of probation of Mr. Ross’s engineering license in Colorado. Based on a review of that case, it was determined that reciprocal disciplinary action by the Kentucky Board of Licensure pursuant to the provisions of KRS 322.180 Section 11 was warranted. The Kentucky Board proposed a period of probation of Mr. Ross’s Kentucky engineering license; however Mr. Ross expressed his desire to settle the matter by surrendering his Kentucky engineering license. The Board accepted the surrender on July 22, 2016.

JASON R. MILLIGAN, PE
On February 11, 2016, Mr. Jason R. Milligan, of Hoover, Alabama entered into settlement agreement with the Texas Board of Professional Engineers in settlement of a disciplinary matter arising from Mr. Milligan’s practice in Texas on an expired license. Based on a review of that case, it was determined that reciprocal disciplinary action by the Kentucky Board of Licensure pursuant to the provisions of KRS 322.180 Section 11 was warranted. Additionally, it was determined that Mr. Milligan had been practicing professional engineering in Kentucky through two business entities, CLP Systems and Milligan Engineering, Inc. Neither of these entities has ever held an Engineering Business Entity Permit, as is required by KRS 322.060. The case was settled by a Consent Decree wherein Mr. Milligan acknowledged the violations and agreed to the following sanctions: (1) probation of Mr. Milligan’s Kentucky engineering license until such time as he has satisfied the terms of his agreement with the Texas Board of Professional Engineers, (2) a $1,000 fine, (3) CLP Systems shall apply for an Engineering Business Entity Permit from the Kentucky Board of Licensure and shall receive from the Kentucky Secretary of State the legal right to transact business in Kentucky, and (4) Mr. Milligan shall discontinue his practice in Kentucky under the name Milligan Engineering, Inc. The Board accepted the Consent Decree on July 22, 2016.
The first annual Professional Engineers Day was celebrated on Wednesday, August 3rd. This virtual event, started by the National Society of Professional Engineers, was used to raise awareness about what it means to be a Professional Engineer, recognize licensed Professional Engineers and to show appreciation for the work our Professional Engineers do each day. The Kentucky Society of Professional Engineers participated in this event on Twitter and Facebook and encouraged our engineers to share their stories via social media.

Engineers were encouraged to participate on Twitter, Facebook and Instagram, using #LicensedPEDay. Many engineers across the US uploaded photos telling why they decided to become professional engineers. Some companies posted photos of their teams of professional engineers. Thank you’s were posted across social media to the hard work of professional engineers everywhere.

If you want to see some of your fellow professional engineers stories, simply search Twitter, Facebook and Instagram for the #LicensedPEDay hashtag.

We would love to hear your stories of why you became engineers to post to social media for next year’s Professional Engineers Day, being held on Wednesday, August 2, 2017! You never know, your story could be an inspiration for someone else becoming a professional engineer!

I became an engineer because a friend of mine pursued a career in engineering and as I learned more about the impact it has on society, I was hooked. I love the idea of applying proven approaches and foundational knowledge to solving problems. This has held true in my early career when I was working to make improvements and solve issues for the Kentucky Transportation Cabinet, and now when I am working to resolve issues and make improvements on behalf of the highway construction industry. Our profession is the foundation on which our great commonwealth and our great country have been built and I humbled to say that I am a part of it.

I am a second generation engineer. My father was a Civil Engineer who graduated from the University of Kentucky in 1957. His specialty was transportation, more specifically highway design. He was the design engineer for portions of the Bluegrass Parkway, the Mountain Parkway, I-75, New Circle Road (in Lexington) and too many state routes to mention. I had the opportunity to work for Dad during summers when I was in college. By observing the way that he conducted himself and the level of detail that he put into his work, it became obvious that I needed to follow Dad’s career path. Thanks Dad!
We Make a Difference

Jason Stith, PE, SE, PhD
KSPE – KY Young Engineer of the Year
NSPE – National Young Engineer of the Year

C.Y. Yong, PE
ASCE – KY Young Engineer of the Year

Highly awarded professionals challenged to make a difference locally and nationally

Ohio River Bridges Downtown Crossing
Construction Oversight Team
hdrinc.com

John Scott – B.S and M.S Civil Engineering University Kentucky

Kara Jane Scott – B.S. Chemical Engineering, Villanova

Anny Gayle Scott – B.S. Biomedical Engineering, University of South Carolina

Stephen Scott – B.S. Civil Engineering (UK), M.S. Environmental Engineering (Cincinnati)

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We have a long history of facilitating major bridge replacements throughout the U.S. To take the US 68/KY 80 bridges from two to four lanes and add a pedestrian and bike path required our expertise in geotechnical engineering. Our commitment to you is to respond quickly to the challenges of any project, of any size, and get it done – safely, on time, and within budget.

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Consulting-Specifying Engineer has announced the recipients of the 2016 40 Under 40 award. This award is given to 40 building industry professionals age 40 and younger who stand out in all aspects of their lives, particularly in the nonresidential building community. Candidates were nominated by a professional colleague or mentor and judged based on nine areas including their commitment to excellence in their academic, professional, personal, and community involvement. In May, Consulting-Specifying Engineer honored each of these young professionals, highlighting traits that lead him/her to continued success, recent professional projects, and personal achievements with print and online coverage.

“Each year, I’m amazed at the exceptional level of the nominees, and this year’s winners certainly stand out,” said Amara Rozgus, Editor-in-Chief of Consulting-Specifying Engineer. “Now in its ninth year, the bar has been set incredibly high for these winners—and this year’s class met and exceeded all of the judges’ expectations.”

CMTA Consulting Engineers employs two of this year’s recipients: Greg Brumagen and Sam Claxton.

Greg Brumagen, PE, RCDD, CxA, 39
Electrical Engineer, CMTA Inc., Lexington, Ky.
BS Electrical Engineering, University of Kentucky

Following in his father’s footsteps, Brumagen had an early understanding of the importance of electrical delivery systems, which was the primary reason he became an electrical engineer. Born and raised in Lexington, he is a Kentucky native and has remained in the area. He joined CMTA in 2014. He has a broad knowledge of building-system power distribution, lighting design and control, fire alarms, voice and data, emergency/backup power generation, uninterruptible power supply, grounding, security, intrusion detection, sensitive compartmented information facilities, secret IP router networks, closed-circuit TV, and elevator control interfaces. One of CMTA’s key electrical engineers, Brumagen’s leadership abilities enable him to effectively manage projects from start to finish. He is passionate about environmentally friendly design, focusing on reducing energy use as much as possible within the budget and scope of the project. Brumagen is leading the Lexington-Fayette Urban County Government’s senior center project, where he considers the special needs of older adults, especially in the areas of lighting and visual comfort. Senior citizens need a brightly lit space that accommodates visual impairments but retains a sense of comfort. His design provided an expert balance of specialized lighting fixtures and easy-to-use controls that create an inviting and warm atmosphere. Brumagen initiated and led a companywide wellness initiative that measures, motivates, and incentivizes healthy practices and behavior inside the CMTA office. He and his wife, Robin, are distance runners, and Brumagen has run several marathons and half-marathons. He loves to exercise and spend time with his two daughters, keeping them active by jumping on the trampoline, running, or just playing in the backyard. The family likes to hike and camp and, fortunately, Kentucky has many great places to explore the outdoors.

Sam Claxton, PE, FPE, 37
Principal, Mechanical Engineer, Partner, CMTA Inc., Lexington, Ky.
BS Mechanical Engineering, University of Tennessee

After earning his degree, Claxton joined Smith Seckman Reid (SSR) as a mechanical engineer in his hometown of Nashville, Tenn. While at SSR, he designed major sporting arenas, convention centers, laboratorios, hospitals, and educational and institutional facilities. After nearly a decade in Nashville, Claxton accepted an offer from CMTA and moved to Lexington, Ky., in 2010 to create designs that offer sustainability and high performance. One of these projects is a $200 million renovation for Baptist Hospital in Lexington, where he designed the largest heat-recovery central plant in the commonwealth of Kentucky. Claxton became a partner at CMTA in 2015. He continues to provide excellent designs while maintaining a strong rapport with clients. He also takes mentoring seriously; he truly enjoys watching the successes of younger engineers. Claxton and his wife, Beth, are very active in their church. He
frequently spends weekends serving in various capacities around the church. The Claxton family has partnered with a church in the Avondale neighborhood of Chicago to minister to the needs of inner-city families. They have collected and distributed food, gifts, and other essential items to that community. Outside of work, Claxton focuses on his family, faith, traveling, and sports. He has been a member of intramural basketball teams after playing basketball for many years through school. He also enjoys watching, playing, and coaching many different sports. He and Beth seek opportunities to take their children on bike rides and hikes through the woods, as well as to merely play ball in the backyard.

*****

About Consulting-Specifying Engineer


Louisville Business First announced their 2016 Forty Under 40, and MSD’s MS4 Program Manager Wes Sydnor made the list. This award recognizes up-and-coming leaders in the community that have begun to make their mark on Louisville through leadership in the business, nonprofit or government sectors. These individuals are noted for their impact on their community, passion for their work and excellence in their professions. Wes has been on the forefront of working with teams to create sustainable, affordable and green solutions to water quality issues in our community. MSD is honored to have one of its employees recognized for the important work that he is doing for the future quality of life in this community.

Congratulations, Wes!

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Darren Schmidt
Technical Resource Engineer
mobile: 502.639.4025
toll free: 800.737.0707
darren.schmidt@forterrabp.com

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**2016 ACEC-KY/FHWA/KYTC PARTNERING CONFERENCE**

**SEPTEMBER 6 - 8**

**GALT HOUSE HOTEL**

**LOUISVILLE KY**
September 2016

- September 6-8
  ACEC-KY/FHWA/KYTC Partnering Conference - Galt House Hotel, Louisville

- September 27-29
  Highway Capacity Analysis Using HCM 2010 & HCS 2010 - KEC, Frankfort

- September 28
  Somerset One Day Fall Seminar - Center for Rural Development, Somerset

October 2016

- October 5
  Ashland One Day Fall Seminar - EN Engineering, Catlettsburg

- October 7
  Bowling Green One Day Fall Seminar - WKU, Bowling Green

- October 19
  Paducah One Day Fall Seminar - WKCTC, Paducah

November 2016

- November 9
  Madisonville One Day Fall Seminar - Ballard Convention Center, Madisonville

- November 16
  Prestonsburg One Day Fall Seminar - Jenny Wiley State Park, Prestonsburg

December 2016

- December 7
  Lexington One Day Fall Seminar - Clarion Hotel, Lexington

- December 7
  KRS 322 MTS Code of Conduct & Expert Witness - Clarion Hotel, Lexington

- December 16
  Louisville One Day Fall Seminar - Ramada Plaza, Louisville

February 2017

- February 1
  6th Annual Bridge Seminar Day - Marriott Griffin Gate, Lexington

April 2017

- April 19 - 21
  2017 KSPE Annual Convention - Cincinnati Marriott at RiverCenter, Covington

Visit http://www.kyengcenter.org to see what other seminars are available!

KSPE State Officers

- President: M. Chad LaRue, PE
- President Elect: Kelly Meyer, PE, PLS
- Treasurer: Matt Rogers, PE
- Secretary: Kristen Crumpton, PE
- Past President: Lee Czor, PE
- National Delegate: Mike Harris, PE

Bluegrass Region Vice President: R. Darin Hensley, PE, LSIT
Central Region Vice President: Lora Boller, PE
Eastern Region Vice President: Cliff Latta III, PE
Louisville Region Vice President: Wes Sydnor, PE
Western Region Vice President: Joe Watson, PE

Chapter Presidents

- Ashland - Kent Flanery, PE
- Big Sandy - Brad Slone, PE
- Bluegrass - Bret Lavey, PE
- Capital - Rob Dowler, PE
- Cumberland Falls - None
- Green River - Mike Vickers, PE
- Kentucky Lake - None
- Kentucky River - Chuck Mullins, PE
- My Old Kentucky Home - Matthew Hobbs, PE
- Northern Kentucky - Matt Stegman, PE
- Pine Mountain - Michael Jones, PE

State Directors

- Ashland - Michael Enders, PE
- Big Sandy - Mark David Sanders, PE
- Bluegrass - Donald Horn, PE
- Capital - Vaughn Williams, PE
- Cumberland Falls - Robert Zik, PE, PLS
- Green River - Tony Huff, PE
- Kentucky Lake - Bill Marcum, PE
- Kentucky River - Chuck Mullins, PE
- Louisville - Eric Senn, PE
- Mammoth Cave - Matt Rogers, PE
- My Old Kentucky Home - Robert Bush, PE
- Northern Kentucky - Chris Rust, PE
- Pine Mountain - Michael Jones, PE

Kentucky Engineering Center

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Kentucky Society of Professional Engineers
160 Democrat Drive | Frankfort, KY 40601

Phone 502.695.5680 Toll Free 800.455.5573
Fax: 502.237.0236
Email: kspe@kyengcenter.org
KSPE State President Chad LaRue and KSPE Capital Chapter President Lora Boller presenting an $800 check to students from the Franklin County Career and Technical Center Project Lead The Way Pre-Engineering Department to help with travel costs to an upcoming TSA Competition in Tennessee.

The KSPE Capital Chapter attended an advisory committee meeting at the school yesterday for our regular monthly meeting. KSPE Capital Chapter meets several times a year to advise on the curriculum for the classes and offer assistance to the group by critiquing projects they are preparing for upcoming competitions.

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Taylor Leigh, a mechanical engineering major at Western Kentucky University, is our George M. Binder Past President’s College Scholarship winner for 2016. Taylor expects to graduate from WKU in May of 2017.

Outside of regular studies, Taylor is extremely active in community and volunteer activities. He has run through the officer positions of Phi Gamma Delta Fraternity, currently acting as their President. In regards to Phi Gamma Delta, he says, “The group of men I get to lead are some of the best and brightest at WKU. We are consistently ranked 1st in grades at WKU and are currently ranked best overall. We also hold the highest ranking Phi Gamma Delta chapter internationally.”

Bike4Alz Inc, is another passion for Taylor, as co-founder and current President for the non-profit. Bike4Alz is a philanthropic organization with the mission to raise funds and awareness for Alzheimer’s research. He said that for the last 14 months, the group of 14 college students organized a cross-country bike ride for the purpose. Along the route, they host events to bring awareness to the individual communities and raise funds. Beyond the Fraternity and Bike4Alz, Taylor helps to lead the 7th grade boys’ ministry at Living Hope Baptist Church. He has found plenty of work to do since his high school graduation, working at ABR Construction as a laborer/operator, working at Messer Construction as a Construction Management Intern, working at Tarter Industries as a Production Engineering Intern and working at Bendix/Spicer Corporation as an Industrial Engineering Intern. Taylor seems to find plenty of things to fill his time.

What made Taylor decide to pursue engineering and want to become an engineer? “My first aspirations for being an engineer were realized in my high school auto mechanics class. In that class, my instructor taught me how to diagnose a problem with someone’s vehicle based on their complaints. Oftentimes their complaints did not lead straight to the part of the vehicle that was in disrepair. Instead, I was taught an indirect approach to limit the potential solutions so that I could make the best diagnosis possible. Essentially, I was being taught how to discern a solution to a problem that did not have a straightforward question. This class was very stimulating because it forced me to be creative, intentional and meticulous. I would eventually learn that a career in engineering would challenge me to engage similar work on a daily basis and that my whole career in engineering would be based on my ability to solve problems with a solution that I had to discover myself. That discovery of the creative solution is what drives me to become a professional engineer.”

Congratulations to Taylor! We look forward to having someone like you as a representative of the profession. Keep up the great work and best wishes for the upcoming school year!

Steve Code from Casey County High School won the George M. Binder Project Lead the Way Scholarship for 2016. Casey County has housed a Project Lead the Way Program for the last two years. A little bit about Steve and the Casey County PLTW program, directly from Steve:
Upon graduating from college, I went into dairy processing as a quality control manager in an ice cream plant. I felt lucky to be able to get a job using my degree in microbiology. I followed my father’s example by changing jobs as opportunities arose and “climbed the corporate ladder” into various management positions. Soon after moving to Kentucky, my wife and I started hosting foreign exchange students as a way to give our son a “brother”. I found that this gave a fulfillment that I had been missing and we have hosted yearly since then. There was a point about twelve years ago that I took a close look at my career and determined that I no longer felt satisfied with where it was going. The experience with the exchange students helped me realize that I am good at interacting with teenagers and enjoyed the positive influence I was able to have on these lives. My mind was also seeming to become dull so I decided to leave industry and get into teaching. Using the emergency certification program, I was certified in biology and then completed the education courses for a master’s in education and rank one. In the process I also added enough chemistry credits to receive a bachelor’s in chemistry. During the past twelve years of teaching I have been able to influence more people than in all the years I worked in industry. It makes me happy to say that I made a difference.

The students in my PLTW engineering classes start out with wide backgrounds and skills and I have seen many struggle as I had and then have the same thrill of the “aha” moment. At this point in the year most students have a confidence in their abilities that may be transferring to other aspects of their life. They are learning that they CAN learn complicated concepts and skills such as the CAD programing and robot coding. The classes center on hands on projects so they can see the reasoning behind learning the concepts instead of the purely academic stance that many other core content classes tend to take.

The students in the PLTW engineering classes seem to be determined to pursue careers in engineering related fields and the next course we would like to add would require my training in civil engineering and architecture. I would be a quick study with this curriculum since I had at one point begun studies in architecture as a possible career. Our area is rural and the civil engineering would be a career option that many of these students could pursue and not have to move from our area.

The future of PLTW at our school will be dependent on the enthusiasm that the students continue to show for the program. With the program just starting we are still in a learning curve mode to determine the most beneficial use of funding, and the first year we applied funding in a responsible manner but did not adequately look to the future and the expense that the follow up classes would incur. This current year has had additional expenses because of the extra cost of the two sessions that I took last summer because of replacing the previous instructor. A grant for the civil engineering and architecture training would be greatly appreciated and ensure a healthier future for the program.

We wish Steve, the Casey County High School Project Lead the Way Program, and the PLTW students there all the best of luck this school year! We are glad we were able to support your program this year. Congratulations Steve and Casey County!
21st Annual Kentucky Engineers’ Golf Classic
University Club of Kentucky on September 21, 2016

Sign Up Now!!
Limited to FIRST 180 Players

DATE: Wednesday, September 21, 2016
TIME: 12:00 pm (Shotgun Start)
PLACE: University Club of Kentucky
4850 Leestown Road
Lexington, KY 40511
http://www.ukyogolf.com

FORMAT: Four-Person Scramble
COST: See costs within the registration area.
GOLF CLASSIC PACKAGE - $850.00 EARLY BIRD
$900.00 after August 21st
Includes a Four-Person Team - a Hole Sponsorship - Mulligans (4 per player)
- Go For The Green (1 per player)

HOLE SPONSORS: $275.00 (does not include golf registrations)

REGISTRATION: Register online at http://www.kyengcenter.org or send
registration form below and check by September 14, 2016. Make check payable to Kentucky Engineering Foundation, Inc. (See Form Below).
Registration fee includes:
- post-play meal • giveaway • awards ceremony

COME OUT AND PLAY!!!

Join Us for the 21st Annual Kentucky Engineers’ Golf Classic!
Registration Deadline: September 14, 2016

Team Captain/Individual Player (name)_______________________________ Phone ______________________________________
Company ___________________________ Address ______________________ City ____________ State _____ Zip Code_________
List Other Team Members Phone Numbers

Check one: ☐ Individual Play @ $125/ea ($150 after 8/21).
☐ Four-Person Team @ $500/ea ($550 after 8/21).
☐ Hole Sponsor with Team @ $750/ea ($800 after 8/21)
☐ Hole Sponsor/Team/Mulligans/GoForGreen @ $850/ea ($900 after 8/21).
☐ Hole Sponsor without Team @ $275/ea.

Mulligans: 4 Mulligans = _____ x No. Golfers ___ x $5.00/Mulligan = Total Mulligan Purchase: $ ______

Payment: Total Payment Enclosed: $_________ (NO REFUNDS)

For a tax deductible contribution equal to 50% of the individual registration fee, make check payable to Kentucky Engineering Foundation, Inc. You can fax your registration to 502-237-0236 or email to marcie@kyengcenter.org. Mail check and completed registration form to: Golf Classic, Kentucky Engineering Center, 160 Democrat Drive, Frankfort, KY 40601 (Att: Marcie Fisher). REGISTRATION DEADLINE: September 14, 2016.
Visit http://www.kyengcenter.org to register for our one day seminars in Somerset, Ashland, Bowling Green, Paducah, Madisonville, Prestonsburg, Lexington and Louisville!!