KSPE Awards Scholarship
Image of the Engineer
KYBOELS Report

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From Across the
On September 1, John Y. Walz, professor and department head of chemical engineering at Virginia Polytechnic and State University, officially became the 10th dean of the University of Kentucky College of Engineering. He succeeds the longest tenured dean in the history of the college, Thomas W. Lester.

Walz brings a wealth of academic and industrial experience to his new post. After spending six years as an engineer at Shell Oil Company, he earned a Ph.D. in chemical engineering from Carnegie Mellon University. Prior to becoming dean, he taught chemical engineering at Tulane, Yale and, most recently, Virginia Tech.

Throughout his career, Walz has received prestigious honors and awards from the universities where he has taught. Additionally, the National Science Foundation issued him a Research Initiation Award in 1993 and a Faculty Early Career Development Award in 1997. Demonstrating a strong capacity for securing funding for progressive research through grant awards, Walz has been the primary investigator or co-primary investigator on 26 grant awards—including over $3.3 million in awards since 2002. He has directed 14 graduate theses and has over 60 published articles and papers.

“I am extremely excited about joining the College of Engineering at the University of Kentucky,” says the new dean. “I came away from my interview extremely impressed by the talents and dedication of the faculty, staff and students in the college, and I am honored to be given the opportunity to continue the tremendous efforts and accomplishments of Dean Tom Lester.”
KSPE Awards First Past Presidents’ Scholarship

The very first ever Kentucky Society of Professional Engineers Past Presidents’ Scholarship has been awarded. Out of a pool of sixteen applicants, the KSPE Scholarship Committee selected Ms. Rachel Adams of Versailles to be their very first scholarship recipient.

The $2,500 scholarship required the completion of an application made available by KSPE. To be considered the applicants had to meet six different eligibility requirements defined in the application, including that the applicant be a member of a recognized student engineering organization, the applicant must be accepted and enrolled in a full engineering program, the applicant must have earned at least a 3.0 GPA based on a 4.0 scale and so on. The selection was based on the overall GPA, their involvement within civic and volunteer organizations, professional activities, professional publications, work experience and the written paragraph that asked them why they wanted to be an engineer.

Rachel said, “I believe that the engineering field and what it teaches are key to universal success and progress.”

“\textit{To me, an engineer is a culmination of the best professionals. Engineers have the ingenuity of scientists, the logic of mathematicians, the legal reasoning of governing officials, and the same understanding of responsibility to human life as those in the medical field.}” - Rachel Adams, 2012 KSPE Past Presidents’ Scholarship Recipient

Rachel has maintained a 4.0 grade point average. Outside of school and her studies, Rachel is extremely active in her societies, including the Kentucky Society of Professional Engineers (KSPE) and the Society of Women Engineers (SWE). Rachel has been a member of KSPE for the last year and a half. She served as president of the KSPE–UK Student Chapter in 2012 and served as the FE Review Coordinator in 2011. Within her involvement in KSPE, she has graded MATHCOUNTS tests at the local chapter competition, served as a judge at the state Future City Competition, run the organization’s sponsored contest at the college’s Engineering Day, given presentations in engineering classes, planned student chapter meetings, and much more. She is also a member of the Phi Sigma Rho Engineering Sorority, having served as Girl Scout Liaison and Vice President of Internal Affairs.

Rachel attends the University of Kentucky, majoring in Civil Engineering. She enrolled in the fall of 2010 and anticipates graduating in the spring of 2014. Thus far, “I am eager to take on the immense responsibility of being an engineer because I believe that without individuals willing to do so, the world would not be what it is today, nor have the potential to advance,” says Rachel.

The Kentucky Society of Professional Engineers is honored to be able to award this scholarship to Rachel, who reflects so many characteristics of an ideal future engineer.
I am honored and excited to be serving as President of KSPE and I want to thank everyone for their enthusiasm and support thus far! Before moving forward I would be remiss if I didn't thank Peter Overmohle for his time and dedication to KSPE during his Presidency in 2011 / 2012. Peter's legislative initiative has really gained momentum over the past year and our legislators are taking note of the importance our profession has on society. We need to keep this momentum going in the relationships established with our legislators. Thanks again, Peter, for your successful year as KSPE President.

Speaking of Relationships …
The time has really flown by since I became a member of KSPE in 1996. Since that time there have been a lot of changes in our profession with all of the technological advances that now play a large role in our daily lives (I'll talk about technology more in a bit!). Through it all there is a common denominator between then and now. That common denominator is the importance of relationships in our profession and KSPE is the perfect platform to establish and maintain them. I can't count the number of lifelong friends and colleagues that I have gained during my 16 years as a KSPE member. I can truly say that the time and commitment I have made to this organization has been rewarded back to me tenfold from the relationships I have made with the many of you that are reading this article right now! The basis of establishing and maintaining professional relationships in our society is a direct positive result that you get from the involvement in KSPE. That's why my initiative for this year is to increase the overall involvement in our Professional Engineering Society through the KSPE +3 campaign that I unveiled at the KSPE Annual Meeting in April.

KSPE +3
The KSPE +3 campaign is a dedication of your time and talent to enhance the overall exposure of our profession to our society. This can be accomplished by increasing our overall involvement in the following key areas:
- Legislative
- Outreach

Within these four key areas there are a variety of different ways that you can grow and enhance your profession through KSPE. In this Kentucky Engineer Magazine you will see a KSPE +3 pledge card for your consideration. I ask that each of you select a minimum of 3 activities that you will dedicate to your profession over the next 12 months. I know that many of you have already made this commitment and I'm sure you can attest of the personal and professional value gained from your involvement.

NSPE National Convention
Back in July, Chuck Anderson, Daniel Gilbert, and I attended the NSPE National Convention in San Diego. Chuck attended as KSPE's National Delegate to NSPE. Daniel attended as a member of NSPE's Professional Engineers in Private Practice – Young Engineers Council and I attended as your State President. Besides enjoying the cooler less humid weather, Chuck and I took part in the NSPE leadership phase of the conference. The NSPE Leadership conference hit on a variety of different topics from determining the strengths and weaknesses of our personalities to how to become more relevant as a professional society. We focused a lot of our discussion from the book Race For Relevance – Five Radical Changes for Associations. You will be hearing and reading much more about this from George moving forward.

KSPE Leadership Conference
On August 2 and 3 we held the annual KSPE Leadership Conference – this year at the Belterra Conference Center. I want to personally thank the 25 or so attendees that traveled from across the state to actively attend and provide valuable input. Thanks go to George, Marcie, and Jennifer for planning and facilitating the conference again this year.

Some highlights of the conference included a discussion from Charlie Scroggin, PE on “KSPE – 25 Years Ago”. This was a great retrospect in looking back at the time of Charlie's KSPE Presidency 25 years ago. Thanks Charlie for this unique and timely perspective. On Thursday afternoon we had an incredible opportunity to tour the construction of the Milton – Madison Bridge project. What an incredible and innovative design and
construction project that is significantly reducing the construction related travel delays for folks traveling across the Ohio River. Thanks to Aaron Stover, PE of Michael Baker for leading us on the tour. On Friday at lunch Mark Simendinger, General Manager of the Kentucky Speedway, spoke to us about the recent roadway and pedestrian improvements that have been made to better accommodate the Spring Cup NASCAR race that took place back in June.

In between all of the great presentations, tours, and food we had great discussions on how to make KSPE even better. We went through the five radical changes for associations suggested in the book “Race for Relevance” to self-evaluate what we are doing well and what we need to do better. Our leadership came away from this self evaluation with the confidence that we, as an association, are doing many things well and we are certainly on the right track but there are some elements that can be improved and improved technology tops the list.

Technology
I told you earlier that I was going to get back to this! In our ever changing digital age KSPE needs to make sure we’re keeping up with the technological advances that are available so that we better serve our membership. There are numerous technological advances that we need to take full advantage of to enhance our profession. That is why I am going to request to the Board to create a KSPE Technology Task Force to explore what technological tools we need to invest and participate in moving forward. So be looking for this involvement opportunity in the near future!

Again, I thank you for your support and I look forward to working for you in the coming year.
The Kentucky Society of Professional Engineers has started a new organizational year with great plans, lots of optimism and a realistic look at what KSPE is about, how it’s organized and what we should be doing. To say things are busy at the Kentucky Engineering Center is a gross understatement. A look at the Calendar page on our web site (www.kyengcenter.org) will give you some insight to the level of activity but does not reflect all the planning, accounting, pre-publication, data management, etc. that is taking place to make all those out front things happen. It’s exciting – especially when you feel like you’re catching up sometimes!

Across the country the Association world is talking about and applying the principals of a book called “Race for Relevance”. At the KSPE Leadership Conference in early August we evaluated KSPE as an organization based on the tenants of Race for Relevance. The primary question: just how relevant is KSPE and the programs, issues, mission of the Society? The response was enlightening and encouraging. After discussions, evaluations and hard questions, it was determined that nearly all of the activities and programs are serving a relevant purpose. Our mission: “The mission of KSPE is to promote the ethical, competent, and licensed practice of engineering, and to enhance the professional, social, and economic well being of our members” is still clear and relevant.

The one area that needs attention and focus for now and the immediate future is how your Society can make the best use of technology in our communications, programs, activities. What do we need to be doing now and what plans/provisions need to be made for the future? Plans are underway to address those questions and your input, suggestions, advice is always solicited. Please let us know your thoughts and ideas – e/mail: kspe@kyengcenter.org.

While on the subject of technology: As the discussion developed, the suggestion of a KSPE Twitter account was discussed. Within minutes – we had a KSPE Twitter account and you can follow us at “twitter.com/kyengineers”. Also, check out our Facebook page at “http://www.facebook.com/kentuckysocietyofprofessionalengineers”. Please let us know what you think and please make suggestions.

Another part of the KSPE Leadership Conference included a presentation from Charlie Scroggin, PE. Charlie was President of KSPE 25 years ago and it was that perspective that he presented. He shared with the group what the goals and successes were for KSPE at that time in history. It was enlightening for those present as John Zoller, PE was the only one in attendance who had been part of that history. It was encouraging to hear about things that were started then and have now grown into successful programs. It was also interesting to note that some things never change, we are still working on some of the same never ending type goals that were in place 25 years ago.

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**PARTNERING CONFERENCE**

September 10 - 12, 2012

Galt House Hotel
Louisville, KY

‘Like’ KSPE on facebook

http://www.facebook.com/KentuckySocietyOfProfessionalEngineers

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EXECUTIVE DIRECTOR’S REPORT

BY GEORGE BINDER, EXECUTIVE DIRECTOR, KSPE / ACEC-KY / KEF
The COVER... and the Image of the Engineer

If you read the background on the cover of this magazine “very closely” you will see the definition of an Engineer – a Professional Engineer in Kentucky – as defined in the Kentucky Revised Statues (KRS 322).

“Engineer” means a person who is qualified to engage in the practice of professional engineering by reason of special knowledge and use of:
(a) The mathematical, physical, and engineering sciences; and
(b) The principles and methods of engineering analysis and design, acquired by engineering education and practical engineering experience;
(3) “Professional engineer” means a person who is licensed as a professional engineer by the board;
(4) “Engineering” means any professional service or creative work, the adequate performance of which requires engineering education, training, and experience as an engineer.

“Engineering” shall include:
1. Consultation, investigation, evaluation, planning, certification, and design of engineering works and systems;
   a. Engineering design and engineering work associated with design/build projects;
   b. Engineering works and systems which involve earth materials, water or other liquids, and gases;
   c. Planning the use of land, air, and waters; and
   d. Performing engineering surveys and studies;
2. The review of construction for the purpose of assuring compliance with drawings and specifications; any of which embraces this service or work, either public or private, in connection with any utilities, structures, certain buildings, building systems, machines, equipment, processes, work systems, or projects with which the public welfare or the safeguarding of life, health, or property is concerned, when that professional service or work requires the application of engineering principles and data;
3. The teaching of engineering design courses in any program accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology or any engineering program deemed equivalent by the board;
4. The negotiation or solicitation of engineering services on any project in this state, regardless of whether the persons engaged in the practice of engineering:
   a. Are residents of this state;
   b. Have their principal place of business in this state; or
   c. Are in responsible charge of the engineering services performed.

Image of the Engineer

Jennifer’s idea for the Cover of the magazine was right on target to dramatize the “Image of the Engineer”. While focused on Kentucky’s Professional Engineer, the application is appropriate for Professional Engineers everywhere. The role and image of the Professional Engineer must be evolving, it has certainly changed in the nearly two decades I have been serving at the Kentucky Engineering Center. Several changes have taken place that could be labeled as superficial, but it can also be argued that their impact is well beyond superficial, such as appearance, political involvement, organizational loyalty and I’m sure there are others. I’ve used the term superficial because they do not impact the “heart and soul” of a Professional Engineer --- but they have a dramatic impact on the “image”.

“ Clothes make the person” – ever heard that expression? Today’s world has changed the norm for “business dress” to a much more casual version, however, if you want to present the image of a professional – clothes do make a difference. This is especially true with first impressions and leadership impact. While I’m not advocating “real business dress” at all times – it does make a difference and if Professional Engineers want to be recognized from the “get go” they need to look the part.

Past-President Peter Overmohle, PE, initiated a program last year to encourage political involvement and it is continuing to have a very positive effect. I’m very hopeful that these efforts will eventually get Professional Engineers back into the situation where they have instant contact and respect from folks in positions of political power (i.e. Legislators, Governors, Congressman, etc). Many of you still have those contacts but my perspective is that they are much fewer than in the past. The exciting part is the evidence that Peter’s initiative has helped put many of our younger PEs in those situations. To make the most of that political influence it needs to be shared with your peers and your organizations – in the political arena, like no other, the power/influence is in the sharing!

There was a time when “if you were a PE – you were a member of KSPE/NSPE” – no question about it. That is no long the case. However, in Kentucky we are still going strong. We need to continue to promote not only the image of KSPE/NSPE as part of being a Professional Engineer but the reality that your Profession needs you as part of the organization that is bringing a collective voice to the needs of the Professional Engineer.
ACEC-KY Begins a New Year

The American Council of Engineering Companies of Kentucky held their Annual Meeting to wrap up last year and launch a new year. The featured speakers were Mayor Fischer of Louisville and Mayor Gray of Lexington. They did a great job creating an informal exchange and Q & A session moderated by now Past ACEC-KY President, Mike Woolum, PE. While they focused on their new BEAM initiative the discussion was far reaching and very informative. It was a great way for Mike to wrap up his very productive year as President of ACEC-KY.

Mike turned the gavel and Presidency over to Randolph Scott, PE, PLS. Randy was well into the planning for his year of leadership and will be conducting his first ACEC-KY Board meeting on September 10 in Louisville. On your right is an excerpt from Randy's comments to the organization as he assumed his new role.

Other speakers included ACEC Vice-Chair, Richard Wells who joined us for an update on ACEC activities as well as to continue face to face communication between ACEC-KY and ACEC.

The ACEC-KY Engineering Excellence Awards (EEA) this year will be presented at the ACEC-KY February Retreat planned for Bardstown, KY. Plan your entries now and check with ACEC-KY office for more information.

"I am honored at the confidence you have shown in me to lead this organization for the coming year.

An organization of engineering firms, such as ours, is comprised of members who compete. We compete for clients, for projects, as well as for employees. Our purpose when we are together, however, is to cooperate and to improve the work environment, in which we all compete.

More work, more knowledgeable clients, government cooperation, and higher quality employees, are all things for which we should be working together.

I hope that as we enter this next fiscal year, improving the work environment will be our number one priority. All engineering firms in the state, whether they are members or not, have a stake in what we do. If we improve the environment for engineering work in this state, all will prosper. We must encourage everyone then to become members and to participate to the maximum extent possible.

Long speeches have not been a trademark of the inauguration process in this organization, and I will not break with tradition, and introduce one. Suffice to say that I am honored and humbled with the confidence you have shown in me, and I am sure we can only be successful with your continued support and service to the organization through serving on various and appropriate committees and continued interaction with our talented and capable staff at the Kentucky Engineering Center.

Our best efforts, together, will ensure a successful and rewarding year for the American Council of Engineering Companies of Kentucky."

- Randy Scott, ACEC-KY President 2012-13
BOOKER NAMED SENIOR VP AND FIRMWIDE PROCESS AND TECHNOLOGY LEADER FOR GS&P WATER SERVICES
Industry Veteran Will Bolster Firm’s Technical Services, Capabilities

ATLANTA – July 12, 2012 - Gresham, Smith and Partners, a leading multi-disciplinary design and consulting firm for the built environment, announces Randall Booker, Jr., Ph.D., P.E., has been named senior vice president in the firm’s Water Services market. Booker, an environmental engineer, will serve as a firm-wide treatment process and technology leader for the delivery of water services projects, with a focus on expanding the range of capabilities and services within GS&P’s water practice.

“Randy’s range of technical expertise and diversity of experience with water and wastewater projects fits our strategic growth initiatives and ongoing project needs. He has served as a technical expert and trusted advisor for years, providing successful technical leadership and start-to-finish project management for clients across the country,” commented Joe Whitson, P.E., executive vice president of Water Services, Gresham, Smith and Partners.

“I’m excited to join GS&P’s Water Services team; the opportunities are tremendous and the combination of talent and enthusiasm within the group is remarkable,” said Booker. “My lifelong interest in stewardship of our water resources has shaped my career as an environmental engineer, and I now look forward to working with our team to help GS&P’s clients achieve their goals.”

Booker has more than fifteen years of experience in environmental engineering, including the planning, design, permitting, construction management and start-up of water and wastewater treatment facilities for both municipal and industrial clients. He has specific expertise and interest in biological treatment, membrane processes, water reuse and disinfection technologies. Prior to joining GS&P, Booker served as Principal Engineer and National Technology Leader at Malcolm Pirnie, the Water Division of ARCADIS, an international design and consulting firm for infrastructure, water, environment and buildings. Some of his recent projects include leading a wastewater treatment facilities assessment and master planning project for Spartanburg Water in Spartanburg, S.C. and serving as technical leader for planning and design of a reuse treatment system in Saudi Arabia.

Booker is a registered professional engineer in Georgia, South Carolina and Connecticut, and is a member of the Water Environment Federation, American Water Works Association, Georgia Association of Water Professionals and International Water Association. He has a B.A. from Davidson College, a B.S. from the University of Georgia, and an M.S. and a Ph.D. in GS&P’s Water Services team consists of experienced environmental engineers, designers, geologists, operational and regulatory specialists and scientists providing a wide range of water and wastewater services. By staying abreast of the latest developments in technology, water quality and regulatory legislation, the team integrates environmental services with other in-house capabilities to maximize project speed, efficiency and cost-effectiveness.

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Systems that last. Value that endures.
Board Members

John Y. Walz, professor and department head of chemical engineering at Virginia Polytechnic University has been named the tenth dean of the University Of Kentucky College Of Engineering. He is scheduled to begin September 1, 2012. As the dean, he automatically has a seat on our board.

Principles & Practice of Surveying Exam

The Principles & Practice of Surveying (“PS”) will become a closed-book exam in April 2013. At this time, examinees will use NCEES-supplied references during the exam and will no longer be allowed to bring other reference material into the exam room. There were two main reasons for the change. First, it increases security as a closed-book exam prevents candidates from copying exam questions into their references or bringing in prohibited items. Second, it will make for an easier transition when the PS exam moves to the computer based testing format.

PE Exam for Software Engineering

NCEES will begin offering a Principles & Practice of Engineering exam in Software Engineering in April 2013. It will be administered yearly thereafter. Partnering with NCEES as a co-sponsor of the exam is IEEE-USA, assisted by the IEEE Computer Society and the National Society of Professional Engineers and the Texas Board of Professional Engineers.

Groups representing software engineers have long maintained that software engineering should be licensed because it is increasingly practiced in areas that reach into the everyday lives of the general public, such as traffic control systems and the electric grid.

For more information on the exam, please visit ncees.org/exams.

Calendar of Events

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<th>Date</th>
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<tr>
<td>August 22-25</td>
<td>NCEES Annual Meeting</td>
<td>St. Louis MO</td>
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<tr>
<td>October 5</td>
<td>Board Meeting</td>
<td>Frankfort KY</td>
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<tr>
<td>October 26</td>
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<td>October 27</td>
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ENFORCEMENT ACTIONS SUMMARY

For The Period
April 7, 2012 – July 20, 2012

A. SCOTT NIMON
POWERSOURCE, LLC

In September 2010, the Board of Licensure received information that A. Scott Nimon, of Louisville, had engaged in the unlicensed practice of engineering in violation of KRS 322.020 and KRS 322.060, through his company Powersource, LLC. An investigation confirmed that Mr. Nimon had offered professional engineering through the company website, business cards and letterhead, and had provided engineering services to various industrial customers. Mr. Nimon is not licensed as a professional engineer in Kentucky and Powersource, LLC is not a permitted engineering entity. The matter was resolved through an Agreed Injunction wherein Mr. Nimon is to correct the website and is enjoined from further practice unless and until he becomes licensed by the Board. The Agreed Injunction also prohibits Powersource, LLC from offering or providing engineering services until such time as it obtains the appropriate business entity permit from the Board. No penalty was assessed for the current violations; however the Agreed Injunction calls for a fine of $1000 and ten (10) days in jail for Mr. Nimon and a fine of $2000 for Powersource, LLC. The Agreed Injunction was entered in the Franklin Circuit Court on July 12, 2012.

JESSE DEAN CRAFT, PE

Pursuant to 201 KAR 18:196, Mr. Jesse Dean Craft, PE, of Whitesburg was subject to an automatic audit of his Continuing Professional Development credits due to late renewal of his professional engineering license. The matter was referred to the Board’s enforcement staff after Mr. Craft failed to respond to numerous audit notices. After numerous unsuccessful attempts by the enforcement staff to contact Mr. Craft, the Board filed formal disciplinary charges in accordance with KRS 322 and KRS 13B, charging him with violating 201 KAR 18:196 Section
Mr. Craft did not answer the charges and did not participate in the disciplinary hearing process. Upon recommendation of the hearing officer, the Board issued a Final Order revoking Mr. Craft’s professional engineering license effective July 24, 2012.

WALTER L. BOWMAN, PE, PLS
In 2010, the Board of Licensure received information that Robert Taylor, a former licensee from Glade Spring, Virginia had begun work on a permit application for a coal mine in southeastern Kentucky, and that Walter Bowman had agreed to certify Taylor’s work until Taylor’s application for license reinstatement was approved. An investigation determined that Mr. Bowman had certified a preliminary permit application which Taylor and unknown others had produced without supervision from Mr. Bowman. The matter was resolved through a Consent Decree in which Mr. Bowman acknowledged that he certified the document in question, and that by so doing, he aided and abetted the unlicensed practice of engineering by Robert Taylor and possibly others, and potentially placed the public health safety and welfare at risk. For this violation, Mr. Bowman agreed to the following sanctions: (1) a $1000 fine, (2) suspension of his professional engineering license for 30 days, (3) completion of Texas Tech University course in Engineering Ethics within 6 months. The Board approved the Consent Decree on July 20, 2012.

KENTUCKIANA ENGINEERING COMPANY
Kentuckiana Engineering Company, a Kentucky Corporation with offices in Louisville, was disciplined for offering engineering services in Kentucky on a lapsed business entity permit, in violation of KRS 322.060. The case was settled by a Consent Decree wherein the firm acknowledged the violation and agreed to pay a $1000 fine and file for reinstatement of its business entity permit. The Board accepted the Consent Decree on July 20, 2012.

DONALD D. McGREW, PLS
Mr. Donald D. McGrew, PLS, of Cadiz, was disciplined for incompetence in the practice of land surveying in violation of KRS 322.180 (2) and for violating the surveying Standards of Practice, 201 KAR 18:150 in connection with a retracement survey he performed on a property in Trigg County in 2011. The case was settled by a Consent Decree wherein Mr. McGrew acknowledged the violations, and agreed to the following sanctions: (1) a Letter of Reprimand (2) must complete a college level course in boundary surveying. The Board accepted the Consent Decree on July 12, 2012.

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KENTUCKY ENGINEER Quarterly Magazine • 11
**Part A - Member Information**

Name: ____________________________

<table>
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<tr>
<th>FIRST*</th>
<th>MI</th>
<th>LAST*</th>
<th>SUFFIX (Jr., Sr., etc)</th>
<th>GRADE (PE, EIT, etc)</th>
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Preferred Email Address*: ____________________________

Gender: □ M  □ F  Birth Date: ____ / ____ / ____

Employer*: ____________________________

Job Title: ____________________________

Please send my KSPE Correspondence and Publications to*:  □ Work  or  □ Home

**WORK ADDRESS**

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**PHONE**  
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**HOME ADDRESS**

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**PHONE**  
Fax

**Education Information**

Undergraduate Degree: ____ Major: ____________ College/University: ____________ Graduation Date: ________

Graduate Degree: ________ Major: ____________ College/University: ____________ Graduation Date: ________

Local Chapter Requested: ____________ Member Who Encouraged You To Join: ____________

(Find out what chapter to request by visiting the KSPE Chapters website under KSPE at http://www.kyengcenter.org)

**Area of Interest**

[ ] Construction  [ ] Higher Education  [ ] Government  [ ] Industry  [ ] Private Practice  [ ] Mining

**Part B - Membership Category - Choose Your Membership Category**

[ ] LICENSED MEMBER - I hold a valid license as a Professional Engineer in the US or Canada (or international equivalent)

[ ] MEMBER - I am an EI/EIT, or graduate of an engineering program accredited by the Accreditation Board of Engineering and Technology (ABET) (or international equivalent)

[ ] STUDENT MEMBER - Full Time Student in an ABET accredited undergraduate or in a junior college program anticipating enrollment in an ABET accredited engineer program. Current school and anticipated graduation date must be listed above.

**Part C - Membership Type - Choose Your Membership/Dues Level**

[ ] National (NSPE), KSPE & Local Chapter (Full NSPE Membership)  [ ] KSPE & Local Chapter Only (Does not include NSPE Membership)

**Part D - First Year Dues - Choose Your Dues**

Find your first year dues amount below using your Membership Type and Membership Category.

<table>
<thead>
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<tr>
<td>KSPE and Chapter 6 MONTHS FREE - $56.00</td>
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<tr>
<td>NSPE + KSPE and Chapter 6 MONTHS FREE - $129.00</td>
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**Part E - Payment Method - Choose Your Payment Method**

Check # ____________________________

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<th>Visa</th>
<th>Mastercard</th>
<th>Discover</th>
<th>Bill Me</th>
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Cardholders Name: ____________________________

Credit Card #: ____________________________  Expiration Date: ____________________________

Billing Address: ____________________________

City/State/Zip Code: ____________________________

Note: The asterisks above indicate that information which is required.
KSPE State Officers

President
Eddie Mesta, PE

President Elect
Angela Akridge, PE

Treasurer
Michael Harris, PE

Secretary
Lee Czor, PE

Past President
Peter Overmohle, PE

National Delegate
Charles Anderson, PE

Bluegrass Region Vice President
William Bowie, PE, PLS

Central Region Vice President
M. Chad LaRue, PE

Eastern Region Vice President
Mark David Sanders, PE

Louisville Region Vice President
Kelly Meyer, PE, PLS

Western Region Vice President
Clint Harbison, PE

Chapter Presidents
Ashland - Michael Enders, PE
Big Sandy - Jody Hunt, PE
Bluegrass - Stephanie Blain, PE
Capital - Brad Eldridge, PE
Cumberland Falls - None
Green River - David Topolenski, PE
Kentucky Lake - None
Kentucky River - Chuck Mullins, PE
Louisville - Kristen Crompton, PE
Mammoth Cave - Joe Plunk, PE
My Old Kentucky Home - Henry Greenwell, PE, PLS
Northern Kentucky - Mike Willenbrink, PE
Pine Mountain - Michael Jones, PE

State Directors
Ashland - Richard Howerton, PE, PLS
Big Sandy - Philip Elswick, PE
Bluegrass - Darin Hensley, PE
Capital - Jason Littleton, PE
Cumberland Falls - Robert Zik, PE, PLS
Green River - Tony Huff, PE
Kentucky Lake - Bill Marcum, PE
Kentucky River - Danny Maggard, PE, PLS
Louisville - Wes Sydnor, PE
Mammoth Cave - Richard Tutt, PE
My Old Kentucky Home - Robert Bush, PE
Northern Kentucky - Michelle Bollman, PE
Pine Mountain - Michael Jones, PE

Kentucky Engineering Center

STAFF
George Binder, Executive Director
Marcie Fisher, Deputy Director
Nancy Parker, Administrative Assistant
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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: 502.695.0738
Email: kspe@kyengcenter.org

Professional Development Opportunities
Check our Website: kyengcenter.org
2012 Schedule

September 2012
September 6
Prestonsburg DNR "Updated E-Permit" Seminar - Jenny Wiley State Park
September 10-12
2012 KYTC/FHWA/ACEC-KY Partnering Conference - Galt House Hotel
September 13
Madisonville DNR "Updated E-Permit" Seminar - Hopkins Co. Fair & Convention Ctr
September 18 - 21
Microstation I for Civil Professionals - Kentucky Engineering Center
September 25
Somerset Seminar Day - Center for Rural Development

October 2012
October 2
401/404 Permitting One Day Seminar - Clarion Hotel North
October 4
Pine Mountain DNR "Updated E-Permit" Seminar - Pine Mountain State Resort Park
October 16
Bowling Green Seminar Day - Holiday Inn University Plaza
October 23
Project Management Concepts for Engineers - Kentucky Engineering Center
October 30 - November 2
InRoads I - Kentucky Engineering Center

November 2012
November 13
Prestonsburg Seminar Day - Jenny Wiley State Park
November 14 - 16
Modeling in 3D Microstation/InRoads - Kentucky Engineering Center
November 27
Paducah Seminar Day - The Carson Center

December 2012
December 5
Basic Dendrology - Bernheim Arboretum & Research Forest
December 11
Sewer/Stormwater One Day Seminar - Holiday Inn Hurstbourne
December 11 - 14
Microstation II V8i SS2 for Civil Professionals - Kentucky Engineering Center
December 18
KRS 322 MTS Code of Conduct & Expert Witness - Clarion Hotel North
December 18
Communications One Day Seminar - Clarion Hotel North

Indiana Continuing Professional Development

CPD Sessions offered by KSPE/ACEC-KY should also meet the CPD requirements for Professional Engineers in Indiana. The Indiana law/regulations state: “approved organization” refers to the following:
(7) A national organization of practitioners whose members practicing in Indiana are subject to regulation by a board or agency regulating a profession or occupation under this title.
(8) A national, state, district, or local organization that operates as an affiliated entity under the approval of an organization listed in subdivisions (1) through (7).

The Indiana Ethics and Law requirement:
ACEC-IN has available an on line course to meet these requirements. For more info and to register, go to this link: http://aceciniana.org/education/continuing-education/
Professional Directory Advertising

Don’t forget to check out the Professional Development Opportunities provided by KEC!
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John Walz Named Dean of University of Kentucky College of Engineering

John Y. Walz was recently named the 10th dean of the University of Kentucky College of Engineering, scheduled to begin Sept. 1. He previously served as professor and department head of chemical engineering at Virginia Polytechnic and State University.

According to Tim Tracy, UK’s interim provost, “Dr. Walz brings a wealth of experience as a teacher, researcher and administrator, and I believe will be a tremendous asset to both the college and UK. I am confident he will work hand in hand with you to further elevate the College of Engineering, serving UK, the Commonwealth and the nation.”

Walz has many visions for the college, including strengthening collaborations in research.

“One of the great benefits at UK is the enormous opportunity for collaboration across college boundaries,” he said. “Engineering research has become much more interdisciplinary, and having top-rated colleges of medicine, dentistry and pharmacy located on the same campus as the college of engineering is an incredible advantage that many universities cannot claim.”

He is also placing a strong emphasis on growing the college’s enrollment.

“As a land-grant university, it is obviously crucial that our college support the needs of the state, including those of state industries. I think an important short-term goal will be to controllably grow the enrollment in the college so that Kentucky produces enough engineers to satisfy the demand of both existing companies and companies that are considering starting or relocating here. It is critical that this growth be done without sacrificing quality, so it will have to be managed carefully.”

Walz earned a bachelor’s degree in chemical engineering from Tulane University before spending six years as a process support engineer for Shell Oil Company. In 1988, he left Shell to pursue a Ph.D. in chemical engineering from Carnegie Mellon University. He received his Ph.D. in 1992 and returned to Tulane as an assistant professor. In 1997, Walz joined Yale University’s faculty as an associate professor of chemical engineering, becoming the department’s chairman in 2002. He remained at Yale until 2005 when he assumed his current position of professor and head of the department of chemical engineering at Virginia Tech.

“Throughout my career, I have remained active in both teaching and research,” he said. “I greatly enjoy both activities and hope that I will have the opportunity to remain engaged in them in some fashion in my new position.

One of the interesting aspects of my career is that I have served as a department chair (or department head) at both an elite private school with a very small engineering program and a large land-grant university with one of the country’s largest engineering programs. Each has a very different set of strengths and challenges, and I think that these diverse experiences will be extremely helpful to me as an engineering dean.”

Walz has received honors and awards from the universities where he has taught as well as the National Science Foundation, who issued him a Research Initiation Award in 1993 and a Faculty Early Career Development Award in 1997. In 2010, Virginia Tech recognized its chemical engineering department’s achievements with an Exemplary Department Award. Walz is currently Past-Chair of the American Chemical Society Division of Colloid and Surface Chemistry in 2011.

He has also been the primary investigator or co-primary investigator on 26 grant awards, including over $3.3 million in awards since 2002. He has directed 14
graduate theses and has over 60 published articles and papers.

Walz succeeds Thomas W. Lester, who stepped down from the position he held since 1990. The longest-tenured dean in the College of Engineering’s history, Lester remains a faculty member in the Department of Mechanical Engineering.

“I have to thank Tom Lester, who has been extremely helpful in providing background information and keeping me involved in important matters,” said Walz. “I am honored to be given the opportunity to continue his tremendous efforts and accomplishments.”

In addition to starting the fall semester at UK, Walz and his family are also looking forward to becoming Kentucky residents.

“My wife and I have been very impressed with the beauty of the area, the variety of stores, restaurants and other amenities, and especially the friendliness of the people,” he said. “We are really looking forward to becoming a part of the community, and meeting and greeting the new students and their families coming into engineering.”
Industry, Educators Build In-roads to STEM Success

By VINCE BERTRAM

Vince Bertram is President and CEO of Project Lead the Way.

PLTW President and CEO speaks out about PLTW and STEM Success in Kentucky.

Vince Bertram has attended our PLTW Kentucky Board meeting and made several trips to visit PLTW programs in Kentucky.

America has a crisis. First, of the 3.2 million students who earned high school diplomas this year, at least one third of those who attend college from this group will require remediation. Second, while the news is better for students earning diplomas, over 1 million students who should have graduated in 2012 did not. These underprepared and disengaged graduates and dropouts are part of a crisis in the United States. If our nation is to maintain or regain its economic and leadership status in the world, it must address the threat of poorly educated and underskilled young people.

As was noted at the recent U.S. News STEM Leadership Summit in Dallas, a crisis exists and Americans must act now to address the gap in jobs and available talent. Estimates show the U.S. will have over 1.2 million unfilled jobs in science, technology, engineering, and math by 2018. The crisis we face pits these unfilled jobs against a population that is not qualified or prepared to do them. The data is clear. Students prepared in STEM-related disciplines enjoy higher starting salaries and lower unemployment rates than the population at large. The benefits of a quality STEM program transcend gender, ethnicity, geographic region, and education level. Many communities recognize the value of STEM education for regional economic development and are forging meaningful partnerships between schools and nonprofits as well as business and industry leaders. The time for action is now, and the work in California and Kentucky exemplifies real, scalable solutions.

Project Lead The Way, Chevron, and Linking Education and Economic Development are working together to address the STEM jobs gap in California—an issue of critical importance to Chevron, a California-based company that relies on some of the world’s smartest scientists and engineers to solve the challenges facing us today and in the future. Through the partnership, Chevron aims to get kids excited about STEM fields and subjects. To that end, the company has increased student access to PLTW’s project- and problem-based curriculum. Chevron’s support has touched 2,500 students and more than 60 teachers with programs in more than 20 schools in the last three years. Additionally, LEED’s involvement has helped teachers share successful practices and encouraged legislators to know and do more about improving STEM education. Further support has created extracurricular opportunities including the Chevron Engineering Design Challenge—a competition for student teams centered around a design problem. This collaborative effort is affecting thousands of students with incredible potential for scalable impact.

Toyota, Bluegrass Community and Technical College, the University of Kentucky, the Kentucky Association of Manufacturers, and PLTW present another example of a scalable solution addressing the STEM education and workforce needs of Kentucky. The University of Kentucky trains teachers and supports the 100+ PLTW schools in the commonwealth. Toyota actively recruits from these schools so it can access the workforce it needs. PLTW students who are recruited to Toyota enter the Advanced Manufacturing Technician program and start working toward a two-year degree on the Bluegrass Community and Technical campus, specially designed for more effective technical education. Toyota and the Kentucky Association of Manufacturers have outlined a model that not only works for Kentucky but is being expanded to other states with Toyota operations. By working together, these industry and educational leaders are meeting local and regional needs for education and economic development.

Communities can and must prepare students more effectively for both post-secondary education and workforce experiences. The examples in California and Kentucky are replicable and proven, and present a much-needed solution to America’s STEM education and jobs crisis. The time for action is now. Working together to understand local and regional needs, we can deliver relevant, engaging educational opportunities. When we do this with proven programs like PLTW, students stay connected to meaningful learning and leave high school prepared to compete in the global economy.
KSPE+3 Pledge Card

Please select a minimum of 3 activities that you will dedicate to your profession over the next 12 months.

Membership
- Recruit one new KSPE Member
- Serve on KSPE’s Membership Committee
- Actively participate in your KSPE Chapter

Professional Development
- Support KSPE’s Professional Development Program
- Attend KSPE Annual Meeting
- Attend Monthly KSPE Chapter Meetings
- Support Leadership PE Program

Legislative
- Meet with your State Senator and Representative at Least Every Three Months

Outreach
- Assist in Chapter MATHCOUNTS Program
- Assist in State MATHCOUNTS Program
- Assist in Project Lead The Way
- Assist in Future Cities Program
- Visit a School to Promote Our Engineering Profession
- Mentor an Engineering Student
- Participate in Governor’s Scholars Program

Additional Opportunities
- Volunteer to help with tasks at the Kentucky Engineering Center

Name

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PROFESSIONAL ENGINEERS
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Elswick, Hunt, and Waddles Named as New Summit Engineering Partners

Summit Engineering names new partners to the company

Pikeville, KY. (August 13, 2012) – Jack Sykes, President and CEO announced three new partners at Summit Engineering today. “I am extremely pleased to name Philip Elswick, Jody Hunt, and Jack Waddles, as partners,” said Sykes. “They will undoubtedly add value and expertise to the ongoing efforts of the Summit Engineering team, and I am very optimistic in the company’s upcoming endeavors. The senior leadership has set the strategic direction for the company, and we are taking steps to strengthen the company for the future.”

Philip Elswick, P.E., will continue being Director of the Environmental Services for Summit Engineering (since 2008) as an Associate Principal. He holds a BS and MS in Chemical Engineering from University Kentucky and been with Summit since 2004. “I’m happy that Summit is thriving, and I’m eager to see the exciting directions the organization will take in the months and years to come,” said Elswick. Elswick is a registered engineer for seven states, VA, KY, OH, PA, TN, TX and WV. He has served as President of the KSPE the Big Sandy Chapter and continues to serve as State Director. He also is a member of the KY Society of Professional Engineers Board of Directors and the Pikeville Scholar House Board of Directors. Elswick has made presentations to the Kentucky Legislation, Kentucky Society of Professional Engineers, National Association of Abandoned Mine Lands, and the Pike County LNG Summit. He is a native of Pike County and lives in the Johns Creek Area with his wife, Heather and 5 year old son, Jonathan Grant. He is a member of Peter Creek Presbyterian Church in Phelps, KY. In his spare time, he enjoys fishing, hunting and golf. He is the son of Gary and Janet Hunt.

Jody Hunt, P.E., has been with Summit since 2001 and has served as Sr. Project Engineer and Manager of the Pikeville Civil Division since 2008. As an Associate Principal, he will continue overseeing his division. “I am honored to be named as Associate Principal and to work for such an excellent company,” said Hunt. “I understand the values that a company like Summit brings in advancing innovative, yet practical, approaches to our clients’ projects.” Hunt is a graduate of University of Kentucky and a member of the Big Sandy Chapter of KSPE – Kentucky Society of Civil Engineers and was recently elected as President. He has also served as KSPE Treasurer and Vice President for that chapter. Hunt has extensive experience in civil engineering, public service and business, as well as a dedication for his work. He also serves as client representative for the Mountain Water District, City of Pikeville, American Electric Power, Pike County Fiscal Court, City of Elkhorn City, Appalachian Industrial Authority and the Kentucky Department of Transportation. Hunt is a native of Pike County and lives in the Johns Creek Area with his wife, Heather and 5 year old son, Jonathan Grant. He is a member of Peter Creek Presbyterian Church in Phelps, KY. In his spare time, he enjoys fishing, hunting and golf. He is the son of Gary and Janet Hunt.

Jack Waddles, AIA, CID, Director of Architectural Services has been with Summit for 5 years and has been Director of Summit Architectural Services since 2008 overseeing all design and federal and state construction documents. A graduate of Kent State University, Waddles is a member of the AIA (American Institute of Architects) of KY and East Kentucky, the AIA Kentucky Committee on Architecture for Education and AIA Academy for Justice. He is a Registered Architect in KY, WV A, and VA. He and his wife, Kathleen live in Whitesburg and are the proud parents of three children, Morgan, Jason and Courtney. Waddles is a member of the First Baptist Church of Whitesburg and serves as a Deacon, teacher and youth leader. He enjoys golf, basketball, and softball.

Bradley Slone and Charlie Dale were named as Associates for Summit Engineering. Brad Slone is responsible for supervision of a staff that works in all areas of design, planning, permitting and development for various underground and surface mining operations, refuse disposal areas, slurry impoundments, and coal handling systems.
at Summit’s Big Rock, Virginia office. He has project management responsibilities for Summit mining engineering projects in Virginia and Kentucky. Slone has also had a supervisory role in Summit Engineering’s.

Charlie Dale joined Summit Engineering, Inc. in July 2003 as Project Manager in the Mining department. With a brief break, Dale rejoined Summit Engineering, Inc. in March 2007 as Project Manager in the Mining department. Dale is responsible for work assignments, support and guidance to technical, drafting and clerical staff to assure projects will be completed in a timely manner and on budget. Duties include client relations, quality control and technical design, reserve studies, sediment control and drainage plans, slope stability, spoil storage and subsidence control.

***************************

Jack Waddles, AIA, CID

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Congratulations to David Howell and his wife on the arrival of their baby girl!

Emma Kate Howell
Born Monday, July 30th
at 7:54 pm
6 lbs 14 oz & 18 in long

Congratulations to Liz Phillips and Drew Hershner on the arrival of their baby girl!

Emma Reilly Hershner
Born Sunday, June 24th
at 12:21 pm
7 lbs 14 oz & 19.5 in long

Congratulations to Brad Selch and his wife on the arrival of their baby boy!

Elijah Selch
Born Friday, August 3rd
7 lbs 7 oz & 19.25 in long
Join Us!
For the 2013 KSPE Annual Convention
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in Louisville!

Kentucky Engineers' Golf Classic

Wednesday, September 19th
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