Kimberly Ward Anderson, the Gill Eminent Professor of Chemical Engineering, is the 2013 SEC Faculty Achievement Award winner for the University of Kentucky. The annual awards recognize professors from the 14 Southeastern Conference member universities who have meritorious records in teaching and scholarship and who serve as role models for other faculty and students.

Anderson came to UK in 1987 after receiving her doctorate in chemical engineering and bioengineering from Carnegie Mellon University. Her research focuses on biological cell and protein interactions with specific applications in understanding cancer metastasis and improving cancer treatment. Her research efforts have resulted in more than 55 publications and more than 100 presentations at regional and national meetings. Anderson has received numerous honors for her work, most recently the Research Mentor Award from the University of Kentucky Undergraduate Research Program, the Outstanding Chemical Engineering Teacher Award, the College of Engineering Henry Mason Lutes Teaching Award, and the UK Provost’s Award for Outstanding Teaching. She recently accepted the position of associate dean for administration and academic affairs in the College of Engineering.

“I am continually impressed by Dr. Anderson’s ability to perform world-class research and simultaneously connect with and mentor undergraduate and graduate students. She is an outstanding example of the faculty excellence at the University of Kentucky and wholly deserving of this honor.”

- John Y. Walz, Dean of the UK College of Engineering
CONTENTS

SPRING 2013 | Volume 50

From the President’s Desk.................. 4
KSPE President Eddie Mesta reflects on his year and experiences as KSPE President.

The Board Report............................. 6
B. David Cox, Executive Director of the Kentucky Board of Licensure for Engineers and Land Surveyors shares what’s been going on with the Board.

2013 Professional Development
Opportunities................................. 8
See what professional development opportunities we have scheduled for YOU to take advantage of for the rest of the year!

Executive Director’s Report.......... 12
George reflects on his twenty year’s with the Kentucky Engineering Center, the engineering profession and this year’s Annual Convention.

Respected Association
Professional Appointed to
Lead National Engineering
Society................................. 18

Pikeville Jr High: Future City Competition Win National Award.......... 19

Kentucky MATHCOUNTS......... 21
See what happened at this year’s MATHCOUNTS competition and who made it onto the Kentucky National Team!

Your 2013 Kentucky NATIONAL MATHCOUNTS Team

Leadership P.E.

BE A PART OF THE
16TH CLASS OF
LEADERSHIP PE!!

APPLICATIONS ARE DUE IN BY JUNE 30, 2013.

CONTACT MARCIE WITH ANY QUESTIONS:
MARCIE@KYENGCENTER.ORG OR 800-455-5573.

SPRING 2013

KENTUCKY ENGINEER Quarterly Magazine | 3
It’s hard to believe that our Annual Meeting has come and gone and my year as KSPE President has concluded. I have passed the gavel to Angela Akridge, who will be leading us through the next year with a great agenda of initiatives that she will be telling you all about soon! I have truly enjoyed this past year serving our profession in my role as President of KSPE. I tried to make the most out of my year in getting around the Commonwealth to visit with many of you at chapter meetings and seminars. It is from these many visits that I can tell you that the state of KSPE is as strong as ever. The enthusiasm and energy within our professional society that I have personally witnessed gives me great pride and confidence for a bright future.

KSPE +3 (Don’t Forget About It!) As many of you know my initiative throughout my year as President was to increase our overall involvement in KSPE in the following key areas:
- Membership
- Professional Development
- Legislative
- Outreach

I appreciate those of you that completed and acted upon the KSPE +3 pledge cards. I certainly hope that you continue to follow through with your commitments to enhance our engineering profession in the months and years ahead. Our commitment within these four core areas is imperative for KSPE to remain viable.

Thank You George and Marcie for 20 Great Years of Dedicated Service to KSPE … As many of you know we had a very special President’s Party on the Thursday evening of the Annual Meeting where we gave special recognition to George and Marcie for their 20 years of dedicated service to KSPE. These special recognitions included the unveiling of the “Marcie Fisher Outstanding Contribution to Leadership PE Award” and the “George M. Binder KSPE Past Presidents’ Scholarship”. Over 20 of KSPE’s Past Presidents were in attendance at the Presidents’ Party to present their pledged amount of $21,000 towards this scholarship fund.

I want to personally thank all of the KSPE Past Presidents that participated in the pledge campaign. George …. I wish you all of the best in your retirement and I thank you for your 20 years of dedication and energy to our profession. We will miss you!

Our Next Chapter … The year ahead will be challenging as we will be selecting a new Executive Director. My responsibilities have immediately shifted as I now will be serving on the selection committee for this extremely important endeavor. We have already had our initial meetings and by the time you are reading this article the advertisement for the Executive Director position will be completed and we will be in the process of evaluating resumes. I can assure you that each of the selection committee members is very well aware of the importance of this position in representing our profession. The year ahead will be challenging but full of opportunities for each and everyone one of you! Your involvement is now more important than ever and with Angela Akridge leading us forward with her initiatives I am extremely confident that the 2013 - 2014 year will be filled with success that we will reflect upon with satisfaction at its conclusion.

Some Final Thoughts … As I write my last article to you as KSPE President I have a few final thoughts that I want to leave with you that I believe we all need to take into consideration for the sake of our profession.

Lead and Succeed by the Creed: When we became Professional Engineers we made the following pledge: To give the utmost of performance; To participate in none but honest enterprise; To live and work according to the laws of man and the highest standards of professional conduct; To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations. I encourage each of you to frequently revisit the core principals of the Engineers’ Creed and strive to attain them each day. It is our professional foundation and it must be frequently acknowledged.

Reach Beyond Yourself: I have heard the term “The Hidden Profession” referenced many times in regards to Professional Engineering. This is due in part that much of the work that we do gets unnoticed by our society. This disturbs me personally because the work that we do is what our society relies upon each and every day to function. The roads and bridges that we drive upon, the water that we drink, and the countless other amenities that we enjoy are due in large part to Professional Engineers. So how do we increase the exposure of the
Engineering Profession upon our society? The answer is within each and every one of us and that is to reach out to the public and promote our engineering profession. I urge you to review the KSPE +3 initiatives and act upon them on a regular basis. Therefore reach out and …

- Be a mentor
- Establish and maintain a relationship with your elected officials.
- Be active in your community

I know that acting on some of these initiatives will get some of us outside of our comfort zones but the importance of accomplishing these efforts by each and every one of us is what it is going to take to raise our exposure that will enhance the engineering profession to our society. It is in this context that I leave you with a quote from Will Rogers. “Why not go out on a limb? That’s where the fruit is.” So reach out and go out on a limb for our engineering profession!

Thank you again for allowing me to serve as your KSPE President. I certainly look forward to serving KSPE in different capacities moving forward.

\[Signature\]
Board Members
Former board member Dennis Smith, PE, PLS received the NCEES Southern Zone Distinguished Award the recent meeting in Biloxi Mississippi. The award was given “as an acknowledgement of loyal and valuable service to the Southern Zone, to the National Council of Examiners for Engineering and Surveying and to the engineering and surveying professions.”

Tax Compliance
During the 2012 session, the Kentucky General Assembly passed a bill creating KRS 131.1817 which requires all licensing agencies to provide information on licensees and permit holders to the Kentucky Department of Revenue (DOR) for the purpose of tax compliance. Our board has provided that information at the request of the DOR. If you have questions regarding tax issues, please contact them at http://revenue.ky.gov/.

Computer Based Testing

Candidates will register with NCEES and be able to choose the date, time, and location for where and when they choose to take the exams. Exams will be given in the months of January, February, April, May, July, August, October and November. They will be given at Pearson VUE testing centers located throughout the country. Sites within and near Kentucky are Louisville KY, Lexington KY, Cincinnati OH, Evansville IN, Marion IL, Nashville TN, Knoxville TN, Johnson City TN, and Charleston WV. The ability to choose from multiple dates and locations will greatly benefit test takers.

The exams will be six hours in length, which will include a tutorial, breaks, the exam, and a brief survey at the completion of the exam. Results will be available within 48 hours.

The exams will continue to be closed book. The supplied reference material will be in electronic form. Examinees will be allowed to bring and use NCEES approved calculators to the test site. On screen calculators will also be available. Sample exams will be available for purchase on the NCEES website after the October 2013 exam administration. Copies of the electronic reference material will also be available.

Proposed Regulation Changes
The Board has begun the process of amending three different regulations:
1) 201 KAR 18:040 – amending the regulation regarding reimbursement of exam fees. Currently, we can reimburse students for the full cost of the FE or FS exam if passed while still in school. Because of budget reductions, sweeping of funds and upcoming national exam fee increases, we can no longer afford to reimburse the full amount. We are proposing language to allow us to set an amount up to the full amount. This will give us flexibility and allow us to reimburse partial amounts when funding allows.
2) 201 KAR 18:072 – amending the experience regulation to allow us to grant up to three months of pre-graduation experience credit for applicants called to active duty while still in school; if they perform engineering services while on active duty. Currently, they can earn such credit but only if it occurs after graduation.
3) 201 KAR 18:142 – amending the code of conduct to prohibit licensees from directly or indirectly contacting Board members about current or ongoing investigations and directing that such contacts be made to Board staff. Board members serve as the “jury” in all proposed disciplinary actions and can only judge based on the official record. Such contacts can create conflicts of interest and require contacted Board members to recuse themselves from those cases.

Calendar of Events
July 19 Board Meeting Frankfort KY
August 16 Board Meeting Frankfort KY
August 22-25 NCEES Annual Meeting San Antonio TX
October 11 Board Meeting Frankfort KY
October 25 PE, PS Exams Louisville KY
October 26 FE, FS Exams Louisville KY

ENFORCEMENT ACTIONS SUMMARY
For The Period
January 12, 2013 – April 19, 2013

JAYME MALONE, PLS
In January 2013, Mr. Jayme Malone, PLS of Lincoln, Nebraska entered into a Consent Decree in settlement of a disciplinary action against him. Among other things, that agreement called for Mr. Malone to pay an administrative penalty of $2000. Mr. Malone failed to pay the penalty 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. Malone's professional land surveyor's license was suspended.

DOYLE HARDIN, PLS
In January 2013, Mr. Doyle Hardin, PLS of Clarkson entered into a Consent Decree in settlement of a disciplinary action against him. Among other things, that agreement called for Mr. Hardin to pay an administrative penalty and take a series of remedial classes in surveying ethics and Standards of Practice. Approximately one month after the effective date of the Consent Decree, Mr. Hardin notified the Board that instead of complying with the terms of the Consent Decree, he would prefer to surrender his professional land surveying license. A Consent Decree reflecting Mr. Hardin's surrender of license was accepted by the Board on April 19, 2013.

DANIEL H. ZERVOS, PE
In December 2012, the Board of Licensure filed formal disciplinary charges against Daniel H. Zervos, PE of Louisville for failing to respond to an audit of his Continuing Professional Development credits in violation of 201 KAR 18:196. Prior to a hearing and by agreement of the parties, the matter was resolved through a Consent Decree wherein Mr. Zervos acknowledged the violation and surrendered his professional engineering license. The Board accepted the Consent Decree on April 19, 2013.

NORMAN JOSEPH FARHAT, PE
Mr. Norman Joseph Farhat, PE of Saint Johns, Michigan was disciplined for a failing to respond to an audit of his Continuing Professional Development (CPD) credits in a timely manner and for failing to obtain the required number of CPD credits during the specified audit period, in violation of 201 KAR 18:196. The case was settled by a Consent Decree wherein Mr. Farhat acknowledged the violations and agreed to the following sanctions: (1) a $1000 fine, (2) Mr. Farhat will make up the CPD deficiency for calendar years 2009 through 2012 within thirty days, and (3) Mr. Farhat will submit to an audit of his CPD credits for calendar years 2013 and 2014. The Board accepted the Consent Decree on April 19, 2013.

STEPHEN WILLIAM HIBBS, PLS
HIBBS ENGINEERING, INC.
Mr. Stephen William Hibbs, PLS of Bardstown was disciplined for a failing to respond to an audit of his Continuing Professional Development (CPD) credits in a timely manner and failing to obtain the required number of CPD credits during the specified audit period, in violation of 201 KAR 18:192; and for continuing to advertise professional engineering and land surveying services through the firm of Hibbs Engineering, Inc. after he had allowed the firm's Business Entity Permits to expire, in violation of KRS 322.060. The case was settled by a Consent Decree wherein Mr. Hibbs acknowledged the violations and agreed to the following sanctions: (1) an administrative penalty of $1000, (2) Mr. Hibbs will make up the CPD deficiency for calendar years 2011 through 2012 by not later than August 26, 2013, (3) Mr. Hibbs will submit to an audit of his CPD credits for calendar years 2013 and 2014, and (4) Mr. Hibbs' professional land surveyors license shall be placed on Probation until he fulfills certain obligations to ensure that telephone directory advertising for Hibbs Engineering, Inc. is terminated. The Board accepted the Consent Decree on April 19, 2013.

WILLIAM THOMAS LEACH, PLS
Mr. William Thomas Leach, PLS of Dry Ridge, was disciplined for failing to obtain the required number of CPD credits during calendar years 2009-2012, in violation of 201 KAR 18:192; and for engaging in a pattern of violations of the surveying Standards of Practice, 201 KAR 18:150. The case was settled by a Consent Decree wherein Mr. Leach acknowledged the violations, and agreed to the following sanctions: (1) an administrative penalty of $1000, (2) Mr. Leach will make up the CPD deficiency for 2009 through 2012 within six months, (3) additional training in the surveying Standards of Practice, (4) a two year probation of Mr. Leach's professional land surveyor's license with quarterly review of surveying projects, and (5) an automatic audit of Mr. Leach's CPD credits for 2014 and 2015. The Board accepted the Consent Decree on April 19, 2013.

Kentucky Society of Professional Engineers and the American Council of Engineering Companies of Kentucky are pleased to invite applications for the position of

EXECUTIVE DIRECTOR

Please go to this site for additional information:
KSPE State Officers

President
Angela Akridge, PE

President Elect
Michael Harris, PE

Treasurer
Lee Czor, PE

Secretary
M. Chad LaRue, PE

Past President
Eddie Mesta, PE

National Delegate
Charles Anderson, PE

Bluegrass Region Vice President
William Bowie, PE, PLS

Central Region Vice President
Justin Verst, PE

Eastern Region Vice President
Michael R. Jones, 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 - Jeff Shuchter, 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 - Mike Willenbrink, PE
Pine Mountain - Michael Jones, PE
Kentucky Engineering Center
STAFF
George Binder, Executive Director
Marcie Fisher, Deputy Director
Nancy Parker, Administrative Assistant
Jennifer Gatewood, IT Coordinator

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 2013 SCHEDULE OPPORTUNITIES

May 23
Spring Dendrology & Native Tree Identification - Bernheim Arboretum & Research Forest

June 4 - 6
Basic Concepts of Open Channel Flow HEC-RAS - Kentucky Engineering Center

June 6
Spring Dendrology & Native Tree Identification - Bernheim Arboretum & Research Forest

June 11 - 14
InRoads II - Kentucky Engineering Center

June 18 -20
Basic Concepts of Open Channel Flow HEC-RAS - Kentucky Engineering Center

June 18
Paducah - One Day Spring Seminar - Julian Carroll Convention Center

July 9 - 12
Applying InRoads III (V8i) - Kentucky Engineering Center

July 16 - 17
Advanced Concepts of Open Channel Flow HEC-RAS - Kentucky Engineering Center

August 6 - 9
Modeling in 3D Microstation/InRoads - Kentucky Engineering Center

August 15
A-E Selection & Contracting - Kentucky Engineering Center

August 16
A-E Contract Negotiation, Awards and Contract Administration - Kentucky Engineering Center

September 17
Somerset - One Day Fall Seminar - Rural Development Center

September 24 - 27
Microstation/InRoads TBD - Kentucky Engineering Center

October 1
Bowling Green - One Day Fall Seminar - Holiday Inn University Plaza

October 8 - 11
Microstation/InRoads TBD - Kentucky Engineering Center

October 15
Prestonsburg - One Day Fall Seminar - Jenny Wiley State Park

November 5 - 8
Microstation/InRoads TBD - Kentucky Engineering Center

November 19
Paducah - One Day Fall Seminar - Julian Carroll Convention Center

December 3 - 6
Microstation/InRoads TBD - Kentucky Engineering Center

December 17
KRS 322 MTS Code of Conduct & Expert Witness - Clarion Hotel North

December 17
Lexington - One Day Fall Seminar - Clarion Hotel North
Professional Directory Advertising

CONSULTING ELECTRICAL ENGINEER, PLLC

JAMES W WILSON III, PE
107 Creekside Dr. Georgetown, KY 40324
Phone: 859-846-4225 Mobile: 859-227-5940
Email: jwwilson3@roadrunner.com

Kentucky Society of Professional Engineers and the American Council of Engineering Companies of Kentucky are pleased to invite applications for the position of EXECUTIVE DIRECTOR

Please go to this site for additional information: http://bit.ly/11wKUku
Kentucky Society of Professional Engineers and the American Council of Engineering Companies of Kentucky are pleased to invite applications for the position of EXECUTIVE DIRECTOR.

Please go to this site for additional information: http://bit.ly/11wKUku
I think I can speak for the entire class when I say Leadership PE is something that changed all of our lives, both professionally and personally. Whether some of us came into this program with preconceived notions or completely naive, we all came in with opinions on what Leadership PE was all about. I think it’s fair to say those assumptions were wrong.

Leadership PE is much more than just:
- learning how to examine people’s personalities,
- mastering the art of giving effective presentations - (less uhhs more pauses),
- eating with the right fork - (I don’t think anyone really understands which fork to use),
- dressing properly - (I know not everyone passed this course),
- not arguing against lawyers - (it’s a lost cause I promise),
- understanding what lobbyist do - (still not sure what they do, sorry George),
- and effective time management - (a work in progress).

Leadership PE is about learning, experiences, gaining confidence, exploring, creative thinking, and building friendships.

*John F. Kennedy said, “Leadership and Learning are indispensible to each other.”*  

I think this quote is perfect for Leadership PE. You can’t create a leader by giving them the title. A leader is a leader because they learned along the way, and that’s exactly what this program does. It throws a lot of information at you in 2-3 day sessions, hoping just some of it sticks. Knowledge truly is power and those with power lead.

Yet, maybe the real underrated aspect of this course is the friendships you make along the way. I know our class had a pretty hard time opening up, that was until the first night when the bottle of apple pie moonshine was passed around. After that we were all long lost buddies, a story for another time but I’m sure Marcie will be glad to disclose details after dinner.

But, in all seriousness Leadership PE is what it is because of the people that donate their time and effort to make it happen. I think it speaks volumes about a program that is still administered by some of the original founders: Charlie Scroggin, John Beyke, Mark Meade and is continually maintained by previous graduates Angela Akridge, Roddy Williams, Clay Kelly, Mark Likenhus, Ray Frye, just to name a few.

If a measurement of an effective program was based on how many of its graduates come back, Leadership PE would be out performing all others.

However, Leadership PE wouldn’t not be what it is, where it is, and as effective as it is, without the guidance, planning, and dedication of George Binder and Marcie Fisher. Among the many other things these two individuals do, they’ve managed to create a one-of-a-kind, nationally recognized program. I ask you to please join me in giving both Marcie and George, as well as the other session administrators, a well deserved round of applause.

I leave you with one last thought, for those of you out there on the fence about participating or employers who haven’t yet joined in, I strongly suggest giving Leadership PE a shot. I think you’ll be pleasantly surprised with what you or your employee(s) will gain from the experience.

*Ralph Waldo Emerson said, “It is one of the blessings of old friends that you can afford to be stupid with them.”*
EXECUTIVE DIRECTOR'S REPORT

BY GEORGE BINDER | EXECUTIVE DIRECTOR | KSPE / ACEC-KY / KEF

George's thoughts as he wraps up a great experience . .

Nearly 20 years ago I had no thoughts of writing a “last article” --- now, for me, the phrases about “time flies” has taken on a whole new array of meanings. My years working for and with Kentucky’s Engineers have been terrific --- for me, the perfect job. While 20 years ago I told the selection committee that I planned to retire from this job --- I really didn’t plan to retire – ever. Figured I’d just disappear someday.

A lot of territory has been covered in the past two decades and, while I’m proud of what has been accomplished as well as the current condition of all three organizations (KSPE/ACEC-KY/KEF), I am fully aware that I have only been the catalyst or facilitator or one cog in an array of gears. The Staff at KEC and the Leaders and Members of KSPE and ACEC-KY are the folks who have made things happen --- and a lot has happened! I’ve listed a few things that come to mind in the box on page 12.

Your organizations, in nearly all aspects, are healthier now than they have been at any point in the past two decades. Things can always improve and there is a long list of things that I believe the organizations should be working on. But that is one of the signs of a healthy organization, there are new challenges and opportunities ready to be tackled and the organizations are poised to move on them. One of the greatest strengths of the organizations is the culture of cooperation. The culture of your Kentucky organizations does not reflect the common culture of Engineering organizations across the country. The motto of the Commonwealth is demonstrated by your organizations: “United We Stand – Divided We Fall”. It’s that culture that is at the source of your success.

You are part of a great profession! The Engineering Profession should not be hidden or concealed in any way. If I may challenge you: as an Engineer, do what you can do personally to improve the awareness and image of just how special your profession is AND how important/needed/necessary it is for the quality of life on this planet. Be conscious of the image you present every time you encounter someone; in a meeting, at lunch, at an event --- do they see a Professional Engineer? Whether we like it or not, that’s how and where folks develop their image of an Engineer. That’s where it starts and it is further developed by how you treat people, how you produce your “work product” and, just as important, how you communicate what you do as an Engineer. Don’t be overly modest with that --- what you do is unique, special, important and necessary for life as we know it now and in the future.

On a very personal note, I want to thank some folks for a very special evening. I’ve always said that a real strength of the KSPE is its past and current leadership. It was a very special thing you all did at the KSPE Convention. Twenty plus Past-Presidents were in attendance, from as far away as Seattle, WA (Dave Servis), Long Beach, CA (Charlene Palmer) and Lincoln, NE (Jim Wathen). We had a great Past-President’s Breakfast, an annual event that has been the “birth place” for some great things for this organization. But the

Past Presidents came together on stage to present the renaming of the Past President’s Scholarship

Past President’s Breakfast - pictured (left to right) Randy Palmer, Art Curis and Dave Servis
sight of a stage full of Past-Presidents, as President Eddie Mesta announced the contribution of over $20,000 to the Past-President’s Scholarship fund – that was remarkable! Thank you. Plus the announcement by Mike Harris of the gifts from the current KSPE Board and the Leadership PE Alumni to Marcie and me recognizing our 20 years of service– that was awesome! Thank you. From what I understand, all of this was planned to recognize the 20 years of service well before retirement was discussed. So... if they can spend months communicating, planning and executing all of this without my knowledge or even suspicion --- I guess it is time for me to go.

UPDATE on New Executive Director
The process is well underway for the selection of a new Executive Director. The Selection Committee is in place and has already developed a Job Description, advertisement is underway with an application deadline of May 24. The goal is to have a new person in place this summer.
2013 KSPE Annual Convention
April 10 – 12, 2013

PHOTO RECAP

The Exhibit Hall

Wednesday Night at the Frazier History Museum
Thursday Night President’s Party

Oh, the places you’ll go!!
2013 KSPE Annual Convention
April 10 – 12, 2013

Seminars and Such

RECAP
D. Scott Wolf, PE, PLS, recently assumed the position of Safety & Geometric Design Engineer for the Federal Highway Administration (FHWA) Resource Center. FHWA’s Resource Center provides technology deployment, technical assistance, and training to both internal and external partners delivering the Federal-aid highway program. Scott is based in the Baltimore, Maryland, Resource Center Office, but serves as a national, technical expert for FHWA in the areas of geometric design, freeway and interchange design and evaluation, and highway intersection safety and design.

Prior to this position, Scott served as FHWA’s Consultant Services Program Manager in the agency’s Headquarters Office in Washington, DC; a Transportation Engineer in the FHWA Kentucky Division Office; and as a Project Manager for Lexington, Kentucky, area consulting firms. Scott is a Leadership PE graduate and has been an active member of NSPE for many years. Scott also serves on various national technical committees including the Transportation Research Board (TRB) Geometric Design Committee and Task Force on Context Sensitive Design/Solutions. Scott holds a Bachelor of Science degree in Civil Engineering from the University of Kentucky and is a licensed Professional Engineer and Professional Land Surveyor in Kentucky.

We would like to thank our sponsors of the 2013 KSPE Annual Convention!!!

American Engineers Inc
Burgess & Niple
Dunaway Engineering
GRW Engineers
HDR Inc
Judy Construction Company
Mason & Hanger
Michael Baker Jr Inc
Palmer Engineering
Photo Science
Sherman Dixie
Staggs & Fisher
Stantec Consulting Services
Summit Engineering Inc
University of Kentucky
Viox & Viox

We would like to thank our exhibitors at the 2013 KSPE Annual Convention!!!

Advanced Drainage Systems
Aerocon Photogrammetric Services Inc
Big R Bridge
Cardno TBE
Contech Engineered Solutions
GRL Engineers, Inc.
GSE Environmental LLC
Independent Concrete Pipe
J.R. Hoe & Sons
Kentuckians for Better Transportation
Kentucky Concrete Industries
Lee Brick and Block
Lynn Imaging
Mt Carmel Stabilization Group Inc
Plantmix Asphalt Industry of Kentucky
Redi-Rock of Kentucky
Sherman Dixie
Snap-Tite Culvert Lining Pipe
Straeffer Pump & Supply Inc
The Corradino Group
URETEK USA

Thank you - thank you - thank you!!

I wasn’t sure how best to thank all that were involved in the humbling recognition given to me at the 2013 KSPE Annual Convention. So, with Jennifer’s assistance, I attempt to do so below...

I’ve enjoyed my 20 years (almost) of working with the engineering community in Kentucky. Your generosity and kind words are overwhelming. I do appreciate everything that went into the recognition of both George and I at the convention and I especially appreciate all those involved in making it happen. What a surprise!

Thanks again for everything. I don’t guarantee another 20 years but I look forward to working with and for Kentucky’s engineers for the foreseeable future!

Mark
ALEXANDRIA, Va. – The National Society of Professional Engineers is pleased to announce the appointment of Mark J. Golden, CAE, FASAE, as the Society’s new executive director and corporate secretary effective January 31, 2013. Golden brings over 30 years of leadership experience in both trade and professional societies and is a respected voice in the association management community.

“NSPE has a proud tradition of serving and advocating for its members and the entire engineering profession, and I’m looking forward to building on that history,” said Golden. “Professional engineers play a vital role in our nation’s future and are key players in solving some of the world’s most challenging problems.”

Golden most recently served as the executive director and chief executive officer of the National Court Reporters Association, where he also served as the vice president of the International Federation for Information and Communication Processing, Brussels, representing the U.S. within this international federation. Before joining NCRA in 1998, Golden spent eight years with the Personal Communications Industry Association. He directed PCIA’s legislative, regulatory, and industry development activities, and he was deeply involved with the Federal Communications Commission, within international standards bodies, and before Congress to help create the favorable environment for introducing affordable wireless telephone and texting services in the U.S. Golden also spent 12 years with the Association of Telemessaging Services International, where he created government relations programs focused on enhanced communication services.

Long active in the association community, Golden is a past vice chairman of the board of directors of the American Society of Association Executives and past chairman of the ASAE Foundation. He has served in numerous other capacities within those organizations. He has contributed to many association-related strategic research studies and publications, including the best-selling “Seven Measures of Success: What Remarkable Associations Do That Others Don’t,” and he is a frequent speaker and author on issues of not-for-profit organizational management, strategic planning, advocacy, and organizational development.

In 1995, Golden was inducted into ASAE’s Fellows program, one of only six association executives nationwide to be so honored that year and an honor bestowed upon less than one percent of ASAE’s 21,000 members. In 2011, he was again honored as the recipient of ASAE’s highest honor, the Key Award, given in recognition of an association CEO who “demonstrates exceptional qualities of leadership in his or her own association, and displays a deep commitment to voluntary membership organizations as a whole.”

“It is this deep commitment and obvious expertise that made Mark an excellent choice to lead NSPE, and we are thrilled to bring someone of his caliber on board,” said NSPE President Dan Wittliff, P.E., DEE, FNSPE. “His in-depth knowledge and experience in associations will not only be a huge benefit to our organization, but to the licensed professional engineers we serve and the engineering profession as a whole.”

An honors graduate of the University of Virginia, Golden holds degrees in English and theater. He and his wife, Annette, reside in Clifton, Virginia, and have one son, John Alexander.
PIKEVILLE JR HIGH
FUTURE CITY COMPETITION
WIN NATIONAL AWARD

As you may know, Pikeville Jr. High competed in the Future City competition at the UK College of Engineering, won the state competition and advanced to the national finals in Washington, D.C. February 15-20. The group represented our state very well. They did not finish in the top 5 teams, as they had hoped, but they did win a national award. They won the “NSPE – Protecting the Public Safety and Welfare through Competent and Ethical Engineering Practice” award.

The team had a proclamation named in their honor by the city of Pikeville. They made their presentation for the Pikeville City Commission and the presentation of the proclamation was made in the City Commission meeting on Monday February 25, 2013. I have included a picture of the presentation. The team members shown in the picture (from left to right) are: Phoebe Thornbury, Kyle Martin, Ryan Crum, Haley Williamson, Will Williamson, and teacher Traci Tackett. Absent from the picture is Cameron Lane. The presenters of the project were Ryan Crum, Haley Williamson and Will Williamson.

We, as engineers, and our state should be very proud of these fine young people with the way they have represented us. If these six individuals are any indication, our future is in very competent hands.

Shaping the Future
A global leader in environmental and infrastructure services

AMEC is a leading supplier of consultancy, engineering and project management services to our customers in the world’s oil and gas, minerals and metals, clean energy, environment and infrastructure markets.

Come join our team!
Visit www.amec.com/careers for more information.
WELCOME!

Katie Marie

April 5th
5lbs 11 oz | 17 in long

Melissa and Jason Cansler
& Big Brother Brady

WELCOME BLAIR ELISABETH!

Born on January 10th
6lb 15oz | 19.25 in long

Proud parents: Neal and Lisa Bailen

WELCOME HADLEY AVERIE!

Born on March 29th
8lbs 3oz | 20 in long

The Lawler Family. Mike, Heather and Big Sister Mya

Systems that last.
Value that endures.

Darren Schmidt
Technical Marketing Engineer
502.639.4025 (cell)
dschmidt@shermandixie.com

SHERMAN DIXIE
(800) 737-0707
WWW.SHERMANDIXIE.COM

Precast Civil-Engineered
Solutions, Sanitary and
Storm Water Treatment,
Detention,
Drainage Systems

Plant Locations:
Tennessee
Alabama
Kentucky
Ohio
Indiana
The mathletes that participate in the Kentucky MATHCOUNTS program never cease to amaze us. The intelligence, effort, and hard work all of these kids put forth every year is astonishing and absolutely refreshing. It has been a great year for MATHCOUNTS in Kentucky.

This year the State competition comprised of 159 Mathletes was held in Lexington, Kentucky at the Clarion Hotel North on March 23, 2012. Kids began arriving for the competition on Friday, March 22nd and had the opportunity to take their coaches and parents to explore the many activities arranged for them at the University of Kentucky’s Center for Applied Energy Research. Saturday morning those mathletes in attendance got down to business with calculators in hand, completing their sprint round (a series of 30 questions), target rounds and team rounds in hopes of being one of the four to make the Kentucky State MATHCOUNTS National team.

Those who placed in our top ten at the state competition were (in order, first place to tenth place): John Wang from Kentucky Country Day, Emily Liu from Meyzeek Middle School, David Ma from Winburn Middle School, Mukund Venkatakrisnan from Noe Middle School, Zach Baugher from Louisville Classical Academy, Tuan Nguyen from Louisville Collegiate School, Ben Xie from Winburn Middle School, Zachary Althouse from Lone Oak Middle School, and Cici Mao from Winburn Middle School.

Our top ten schools from this year’s state competition were (in order, first place to tenth place): Meyzeek Middle School coached by Carol Bridgewater, Kentucky Country Day coached by Ann Ponniah, Winburn Middle School coached by Paula Cissell, Russell Middle School coached by John VanHoose, Lone Oak Middle School coached by Lisa Dukes, Campbell County Middle School coached by Faye Smith, SCAPA Bluegrass coached by Devin Onkst, Noe Middle School coached by Stephanie Fields, Boyle County Middle School coached by Victoria Brushway, and TK Stone Middle School coached by Pat Black.

First introduced to MATHCOUNTS by his parents, John Wang, an eighth grader from Kentucky Country Day School in Lexington, succeeded, winning the Kentucky State MATHCOUNTS competition this year. John says, “Math interests me because it’s endless. No one will ever know everything.” Although undecided where he would like to attend college, John does know that he would like to major in Business and Engineering. He said, “Both lead to success and are entertaining to me.” Math isn’t the only thing that keeps John on his toes, he also enjoys playing soccer and swimming.

Emily Liu, an eighth grader from Meyzeek Middle School, placed second at this year’s Kentucky MATHCOUNTS competition. Beyond doing math problems, Emily enjoys playing piano and running. What does Emily say about math? “Math has no ambiguity. It is universally consistent. There’s no blurry space.” As far as her accomplishments outside of math, Emily is a 2-time Overstreet winner and MTNA State Champion (Junior Division) winner in piano. Her plan for the National Competition: Have fun and do my best! We’re rooting for you and the rest of the team, Emily!!

Even though the Award Ceremony at the state competition stresses her out, Cici Mao, a seventh grader from Winburn Middle School, made it through and placed third at the state competition. In regards to her future, because of her
interest in science and engineering, would like to become a biotechnologist or botanist, after studying at MIT or CIT. Why does Cici want to attend MIT or CIT? She wants to go to a good engineering college. With a great personality, Cici appreciated that Kentucky MATHCOUNTS provided free food and her favorite experience was the “breakfast consisting of bacon and eggs.” She also said, about the Kentucky MATHCOUNTS competition, “I liked the countdown or target rounds because they don’t last long and aren’t as stressful.” Outside of math, science and engineering, Cici enjoys reading, playing video games, and playing the piano, violin and flute.

Also representing Kentucky at the National Competition will be David Ma, a seventh grader from Winburn Middle School. Led into MATHCOUNTS by a group of people including Mr. Jenkins, Ms. Cissell, and his parents, David placed fourth at this year’s competition. One of David’s favorite interests is playing musical instruments. He enjoys playing the violin and the piano; but also enjoys listening to accomplished musicians.

“Math interests me because each problem is like a puzzle waiting to be solved,” according to David, “Math is very logical to my brain and ‘everything works out’.” As far as MATHCOUNTS is concerned, he said, “MATHCOUNTS is excellent and it has improved my math skills significantly. Also, I am very fast at math due to the Countdown portion. Without MATHCOUNTS, I would not be where I am today.”

What a great group of kids we have this year representing Kentucky. They all have done a wonderful job, as did all of those Mathletes that competed at the state level, the competition was tough and you all did great! We hope to see those of you who can compete again, back next year and representing Kentucky just as well as you did this year.

It is always a pleasure to see such dedicated, talented young people show off their intelligence the way these kids do! They are extremely impressive. Every single person should really consider being a part of it, whether they volunteer at the state or chapter competitions, make a donation to the program to ensure the competition can continue on, or...
come watch the state countdown round. These kids will make a difference in the future and you can help them – can you imagine that?

**Scholarship Opportunities Available through Kentucky MATHCOUNTS Competitions**

**CHAPTER COMPETITIONS**
- One full-tuition scholarship to Western Kentucky University is awarded to the winner of each of the 13 KSPE Chapters (totaling 13 - full-tuition scholarships to WKU)
- One $1500 scholarship to Western Kentucky University is awarded to the second place individual of each of the 13 KSPE Chapters (totaling 13 - $1500 scholarships to WKU)
- One $500 scholarship to Western Kentucky University is awarded to the third place individual of each of the 13 KSPE Chapters (totaling 13 - $500 scholarships to WKU)
- One $500 scholarship is awarded by the Kentucky Engineering Foundation to the winner of each of the 13 KSPE Chapters (totaling 13 - $500 scholarships from KEF)

**STATE COMPETITION**
- One full-tuition scholarship to the University of Kentucky and the University of Louisville is awarded to the top-four finishers (totaling 8 - full-tuition scholarships to UK and UL - winner’s choice between the two colleges)
- One $1500 scholarship for four years to the University of Kentucky and the University of Louisville is awarded to those individuals placing 5-10 at the state competition (totaling 12 - $1500 scholarships for four years to the University of Kentucky and the University of Louisville - winner’s choice between the two colleges)

**KENTUCKY MATHCOUNTS MAKES AVAILABLE A TOTAL OF 72 SCHOLARSHIP OPPORTUNITIES**
Leadership P.E. 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. Participation in Leadership P.E. is limited to a maximum of fifteen individuals. 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 P.E. follows the concepts developed by Leadership KY and other similar leadership programs. Leadership P.E. is the first of its kind to focus on professional engineers. As such, Leadership P.E. 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).