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Cover design by Ashlyn Crawford
Magazine design by Hayley Robb
It is with great pleasure and gratitude that I accept the role of President of our esteemed organization. I would like to take this opportunity to express my appreciation for your trust in me, and to thank our outgoing President, Wes Sydnor, for his dedicated service.

Throughout my career, NSPE has played an instrumental role in shaping my professional growth. I consider it a personal responsibility to give back to this organization, which has given me so much. As President, I am committed to seeking opportunities that make positive impacts, and I hope to inspire you to join me in this endeavor.

I am grateful for the support of my colleagues, staff, and family, without which I would not have the resources or capacity to serve in this capacity. I would like to give a special thanks to the NSPE-KY staff, Russ, Jodi, and David, whose hard work and dedication have helped us achieve our current success.

As I begin my term, I am encouraged by the many accomplishments of our organization. We are in good shape, with a healthy financial footing, a robust membership count, and a strong presence in the community. Thanks to the efforts of many as we transition to a new normal of in-person events and meetings, following the challenges posed by COVID-19.

I am proud to announce that we have successfully launched the first Leadership PE Peer-2-Peer (P2P) Fundraising Challenge, which has garnered significant commitment from our members. With the funding committed to the Kentucky Engineering Foundation (KEF) and MATHCOUNTS, we are on track to achieve our goal of $60,000, which will have a lasting impact on KEF and MATHCOUNTS. This campaign has laid the groundwork for more focused and successful fundraising efforts in the future, and I am committed to building on this momentum.

I am also excited to announce that we will host the 2023 NSPE Professional Engineers Conference (PECon) in Louisville from August 2-4. This is a tremendous opportunity to showcase our state and chapter on a national stage, and I hope to see many of you there.

As President, I will strive to visit every local chapter meeting in the state during my tenure, and I encourage you to reach out to me with any suggestions, comments, or questions.

Together, we can make our organization stronger and more inclusive.

Thank you for your continued support, and I look forward to serving you in the coming year.

Sincerely,
Neal Crawford, PE
NSPE-KY President
2023-2024

Finally, I plan to establish a new annual event that will engage our members and provide an opportunity for fundraising.

I invite you to join me at the upcoming Leadership Conference, where we will discuss our plans and next steps for achieving these goals. I look forward to hearing your suggestions and advice, and working together to make our vision a reality.

2023 PECON
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Looking Ahead
I have set achievable goals that will benefit our organization and its members. I aim to establish a virtual chapter, which will provide additional networking and professional development opportunities for our engineers, without the need for extended travel.

I will also create a Fundraising Committee, building on the success of the Leadership PE P2P campaign, and develop strategies and plans for our future fundraising efforts.

I hope to expand membership diversity, increasing the number of minority and female members, as well as those from non-civil fields.

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NSPE VALUES

- Ethics & Accountability: Prioritize public health, safety, and welfare above all other considerations
- Qualifications: Enforce professional standards and qualifications across the entire engineering team
- Professional Advancement: Assist individuals in becoming licensed or appropriately certified and foster continuous growth
- Unity: Promote diversity and inclusion, ensuring the profession reflects society

To learn more and view the full mission, vision and values, visit nspe.org.
Committee Selects 12th Hall of Fame Member

Each year, one professional engineer is presented with the Hall of Fame Award. It is reserved for individuals whose career contributions are deemed exceptional, advancing the goals and mission of NSPE-KY and the engineering profession.

This year’s award winner – and the 12th individual inducted in the Hall of Fame – is Charles “Chuck” Anderson, PE.

Nominations for the award are accepted from the NSPE-KY Board of Directors and/or Awards Committee.

Anderson joined Strand Associates full-time in 1972 after graduating from the University of Wisconsin–Madison with a Bachelor’s and Master’s in civil engineering.

Growing up on a dairy farm in Wisconsin, Anderson was no stranger to building fixtures, putting things together, or getting his hands dirty.

During his tenure at Strand, he served many roles, ranging from Design Engineer to Director of Operations, specializing in municipal infrastructure, sewer systems, and water treatment.

In the mid-1990s, he transferred to Kentucky to open the firm’s Louisville office, where he stayed until his retirement in 2018. In this role as Vice President, he worked very closely with the Louisville Metropolitan Sewer District (MSD).

Anderson led the planning study for Louisville and Jefferson County’s flood protection infrastructure, laying out nearly $700 million in upgrades to protect more than 200,000 people and properties valued at about $24 billion. Anderson postponed his retirement until he completed the project.

For former colleague and friend, Mark Sneve, PE, seeing Anderson receive this award was a special moment. “Chuck completed so many great projects and mentored so many prominent Kentucky engineers,” Sneve said. “He had an open-door policy and encouraged younger engineers to seek his wise counsel. You always left more empowered by the conversation.”

Sneve said Anderson’s legacy will be the engineers he’s helped develop and the engineers they in turn mentor, too.

“Chuck always emphasized being professionally involved,” Sneve said. “Once you embrace giving back to the profession, you quickly recognize that you get more back from the time you invest.”

Anderson has been active in professional engineering societies since joining Strand. While in Wisconsin, he was active in ASCE serving as Secretary, Treasurer, and President of the local branch. Since moving to Kentucky, he has been and is active in NSPE at the local, state, and national levels. He’s also remained active in MATHCOUNTS, serving as state chair and supporting local competitions. He received the Outstanding Contribution to MATHCOUNTS Award in 2005.

Anderson has received many awards for his accomplishments in addition to his work with MATHCOUNTS, including the Distinguished Service Award, Achievement in Private Practice Award, D.V. Terrel Award, and NSPE Fellow Award in 2014.

Anderson said the one thing he’s learned over his career is that it’s not just about “the work.” “It’s about the friendships that you make doing it,” he said. “I just feel that I’ve been lucky to be an engineer, that I’ve been able to meet good people and make good friends, and I’ve had a good career doing it.”

Q&A WITH CHUCK

1. Where would you take a visitor who’s new to Kentucky?
   
   Churchill Downs because that’s the place to go.
   
   Louisville Slugger Museum because that’s another representation of what Kentucky is like.
   
   And because I like bourbon, I’d take them on the Bourbon Trail. One of the things I really like is taking visitors to Maker’s Mark. It’s down in the valleys and you pull up and it’s this really distiled distillery.
   
   Kentucky Horse Park to show them some of the horse farms.

2. Favorite restaurant of all time?
   
   Rafferty’s or Lacrosse Family Restaurant in Lacrosse, Wisconsin.

3. Favorite quote?
   
   “I am kind of a big deal on a fairly irrelevant social media site that falsely inflates my ego.”

4. What’s your hidden talent?
   
   I played fast pitch softball from grade school to my mid-50s. I went to a half a dozen national tournaments and was affectionately known as ‘Aunt Bea’ by his softball team.

5. Favorite movie?
   
   For the Love of the Game.

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Chuck (front row middle) and his extended family are pictured below.
Board of licensure welcomes new members Mr. Knoth and Mr. Chism to these new appointments, and thanks departing members Mr. Gephart and Mr. Griffith in fulfilling their duties to their professions by serving the Board in protecting the citizens of the Commonwealth.

INDIVIDUAL LICENSE RENEWALS
Email renewal notices were sent out on April 6 to all licensees whose last name begins with a letter A – K, whose license(s) will expire on June 30, 2023.

Prior to June 1, 2023, we will mail paper renewal notices to those who have not renewed early. Renewing early saves the Board mailing and printing costs.

Everyone can renew their license online HERE. You can make the renewal payment by credit card or by electronic check. The online renewal process is quick and secure. Please make sure you answer the renewal questions honestly and completely.

All licenses renewed after June 30 will be automatically assessed a 10% late renewal fee for each month or part of a month the renewal is late. While KRS 322.160 allows an individual to renew his or her license late for up to one year after it expires, that licensee is not authorized to practice their profession while the license is expired per KRS 322.180.

Finally, during the renewal process, make sure the Board has your latest contact information. It is your responsibility to notify the Board of any changes in addresses.

SURVEYING EXAMS
One of the most frequent questions I have been asked this past year is about the number of upcoming candidates for land surveying licensure. I am pleased to pass along that the number of surveying exams administered have gone up each year since 2019, except for 2020 (many testing centers were closed due to COVID).

In calendar year 2022, there were 19 fundamentals of surveying (FS) exams administered, and 22 principles and practice of surveying (PS) exams administered.

This year, nine FS exams and six PS exams have been administered already, and an additional 11 individuals have registered to take the FS exam and five have registered to take the PS exam.

While registering and taking the exams does not equate to new licensed land surveyors yet, it does show that the pipeline for land surveyors is growing and that the downward trend since the four-year degree requirement went into effect in June 2011 has changed for the better.

Paper renewal notices will be mailed out in late May.

Calendar of Events 2023

July

27 BOARD COMMITTEE MEETINGS FRANKFORT, KY
28 BOARD OF LICENSURE MEETING FRANKFORT, KY

October

26 - 27 NCEES EXAM ADMINISTRATION (STRUCTURAL) ● REGIONAL LOCATIONS ONLY
26 BOARD COMMITTEE MEETINGS FRANKFORT, KY
27 BOARD OF LICENSURE MEETING FRANKFORT, KY

August

15 - 18 NCEES ANNUAL MEETING BOSTON, MA

This is the last time the Structural exams will be offered as pencil and paper exams.

Kyle Elliott, Executive Director
Enforcement Actions Summary
January 1 – March 31, 2023
Heather L. Baldwin, PE, PLS, Director of Enforcement

**DISCIPLINARY ACTIONS**

**CHRISTOPHER M. CULLINAN, PE #30608**

On June 14, 2022, Christopher M. Cullinan renewed his Professional Engineering (PE) license twelve months late, subjecting him to a Continuing Professional Development (CPD) audit due to late renewal. Cullinan failed to respond to the June 21, 2022 notice of audit within 30 days, as required. For the audit, Cullinan had evidence of 4 Professional Development Hours (PDH) of allowable CPD for the 2019/2020 reporting period, 26 PDH deficient of the 30 PDH required. He also submitted evidence of completing 8 PDH in 2021 and 24 PDH in 2022. Of the 32 PDH, 26 PDH were applied to the 2019/2020 audit period, and 6 PDH could be used to satisfy the requirements of the 2021/2022 reporting period. As a result of the audit, Cullinan was issued a Written Admonishment on August 19, 2022. He was admonished for (1) failing to respond to the audit notice within 30 days, (2) failing to obtain 30 PDH during the 2019/2020 reporting period, and (3) engaging in the practice of fraud or deceit in obtaining a license by representing on his June 14, 2022 online renewal application that he had complied with the CPD requirements, when he had not complied. He was also notified that enforcement staff would be performing an audit of his CPD credits for the 2021/2022 reporting period, and that he would need to complete an additional 24 PDH prior to December 31, 2022 to pass the audit. On December 9, 2022, Cullinan was sent notice of the audit for the 2021/2022 reporting period. Cullinan again failed to respond to the notice within 30 days, as required. For the audit, Cullinan submitted 26 PDH completed in January 2023, after the end of the 2021/2022 reporting period, in violation of the CPD regulations.

During the CPD audit investigation, it was also discovered that Cullinan aided and abetted his company, Carpenter & Cross, LLC, in the unlicensed practice of engineering. The company advertises engineering services in Kentucky on its website and provided engineering services for six Kentucky projects without obtaining a Kentucky business entity permit, as required by KRS 322.060. To resolve the investigation, the company, through its president Christopher M. Cullinan, agreed to: (1) receive a Letter of Reprimand from the Board; (2) pay a fine of $1,000 within 60 days; (3) maintain a current and valid business entity permit for Carpenter & Cross, LLC for any period of time in which the company is providing engineering services in Kentucky; (4) not renew his Kentucky PE license until he has completed and provided proof of his CPD obligation for the 2023/2024 reporting period; and (5) notify the Board in writing of any change in status of the professional engineer(s) in responsible charge of the engineering work in Kentucky within 14 days. The Board of Licensure approved this Consent Decree on April 21, 2023.

**NON-DISCIPLINARY ACTIONS**

**Cases Closed with a Written Admonishment – 7**

- PE – Admonishments for CPD violations – 32 (24 random audits, 8 late renewal audits)
- PLS – Admonishments for CPD violations – 5 (random audits)
- PE – Admonishments for violations in another jurisdiction – 1
- Firm (both engineering and land surveying) – Admonishments for falsely answering questions on business entity permit application – 1

**Cases Closed with Educational Letter – 1**

- Unlicensed practice (land surveying)

**Cases Closed with No Action – 1**

- PE – No violation

**ABOUT KYBOELS**

The Kentucky State Board of Licensure for Professional Engineers and Land Surveyors was established by an Act of the Kentucky General Assembly in 1938 to protect the public health, safety and welfare. This is accomplished through the licensing and regulation of individuals and firms deemed qualified to practice.

The Board of Licensure is currently using GovDelivery, a contractor of the General Government Cabinet of the Commonwealth for email notifications of the Board of Licensure Report and advanced notices for renewals.

For up-to-date information, visit: www.kyboels.ky.gov
MATHCOUNTS is a national math education program designed to develop and strengthen math, science, leadership, and teamwork skills. This is the 40th year for the competition, which was founded in 1983 by the National Society of Professional Engineers, CNA Insurance Company, and the National Council of Teachers of Mathematics.

The mission of MATHCOUNTS is to increase interest and involvement in mathematics among all middle school students, creating early exposure to problem-solving careers like engineering.

This year, more than 700 middle school students from 43 schools across the Commonwealth participated in the Kentucky MATHCOUNTS Chapter competitions.

Students have the choice to compete individually or with a team. This year, 134 sixth, seventh, and eighth graders competed individually, representing 13 regions across the state.

Below are the top 10 finalists from this year’s state competitions.

The top four individual finishers were awarded a choice of a full-tuition, four-year college scholarship to the University of Louisville or a $6,000 per year, four-year scholarship to the University of Kentucky.

The top four finishers also won an all-expenses-paid trip to the national MATHCOUNTS competition in Orlando, Florida, where they represented the Commonwealth of Kentucky for the national title, competed for additional scholarships, and a trip to U.S. Space Camp.

Claudia Rankey, the coach for Meyzeek Middle School, led the Kentucky team during the national competition. The Kentucky national team placed 27th overall and the individual competitors finished as follows (there were 224 total competitors):

Samuel Henderson – 29th place
Ethan Tang – 113th place
William Huang – 140th place
Joyce Liu – 128th place

"The MATHCOUNTS program is so important for students because it gets their minds thinking like a problem solver, like a mathematician, and like an engineer," Rankey said. "These kids are so amazing, and they are going to change the world someday and I’m so happy that I get to be a part of their origin story."

Kentucky’s MATHCOUNTS program is one of the most successful in the U.S. with several top ten success stories, including the 1995 national champion and a ninth-place finish in 2000 and 2007.

The program succeeds by making math achievement challenging, exciting, and important as a school sport.

To learn more about the MATHCOUNTS program, visit www.kentuckymathcounts.org or www.mathcounts.org.

2023 Kentucky MATHCOUNTS Top 10 Individual Finalists

1. Samuel Henderson of Davidson Academy Online coached by Raiko Henderson
2. Ethan Tang of Kentucky Country Day School coached by Ann Ponniah
3. William Huang of Meyzeek Middle School coached by Claudia Rankey
4. Joyce Liu of Winburn Middle School coached by Stephanie Adams
5. Bryan O’Toole of Meyzeek Middle School coached by Claudia Rankey
6. Zachari Ye of Winburn Middle School coached by Stephanie Adams
7. Michael Chen of Meyzeek Middle School coached by Claudia Rankey
8. Aiden Gie of Meyzeek Middle School coached by Claudia Rankey
9. Tommy Moseley of Beaumont Middle School coached by Crystal Dixon
10. Zachary Rara of Meyzeek Middle School coached by Claudia Rankey

2023 Kentucky MATHCOUNTS Top 10 Team Finalists

1. Meyzeek Middle School coached by Claudia Rankey
2. Kentucky Country Day School coached by Ann Ponniah
3. Winburn Middle School coached by Stephanie Adams
4. SCAPA Bluegrass Middle School coached by Ryan Harrington
5. Pikeville Junior High School coached by Ginger Mullins
6. Owensboro Middle School coached by Sarah Sullivan
7. Bluegrass Middle School coached by Melissa Goes/Ryan Ramsey
8. Calloway County Middle School coached by Scott Pile/Dan Thompson
9. Bowling Green Junior High School coached by Angela Langford
10. Lone Oak Middle School coached by Dawn Evans
Pictured at right are the Louisville Chapter winners, Samuel Kingston, Aayan Ansary, Michael Chen, and Bryan O’Toole (left to right). The coach is Claudia Rankey.

Pictured above are the Big Sandy Chapter competitors. Back row left to right: Lincoln Parons, Jesse Baird, Paula Patton, Eric Lin, Coleman Howard, Noor Ghayur. Front row left to right: Logan Kingery, Tyler Chen, Jenna Samons, Arikaa Sharma, Jack McGregor, Jacob Lucas.
What is Leadership PE?
Everything you need to know to apply in 2023

WHAT IS LEADERSHIP PE?
Leadership PE (LPE) is a leadership development program designed to encourage, strengthen and build the professional careers and civic involvement of entry to upper-level engineers.

This eight-month program includes organized career-training sessions and networking opportunities with peers and community leaders as well as one-on-one meetings with business decision-makers.

HOW DO I GET INVOLVED?
LPE is a competitive process open to engineers living or working in Kentucky.

The individual must be a member of NSPE-KY, ACEC-KY or KP-SAME. Typically, 15 individuals will be selected to participate in the program each year.

Participants must be either a PE or an EIT. Only one application will be accepted from a company or organization (and/or major division of a company or organization).

HOW MUCH DOES THE PROGRAM COST?
The tuition for LPE is $1,450. Tuition covers program costs and registration for the 2024 NSPE-KY Annual Convention, but it does not include lodging and transportation to and from session venues.

Sessions are held across the state to expose participants to various regions, industries and experts.

WHAT CAN I EXPECT THE SESSIONS TO COVER?
One of the best things about LPE is that it goes beyond professional development. From communication to legislation, the program aims to provide a well-rounded curriculum to bring out the best in each individual. Here’s an outline of what the 2022-23 program looked like:

ORIENTATION SESSION | SEPTEMBER
Enabling participants to gain a better understanding of themselves and the other members in their class.

COMMUNICATION SESSION | OCTOBER
Teaching participants the intricacies of communication, focusing on audience, methods and marketing.

TEAM DYNAMICS SESSION | NOVEMBER
A deep dive on the external elements of leadership, including resource management, project management, problem solving and real-world situations.

PROFESSIONALISM SESSION | January
Understanding the ethical and professional influences associated with the engineering profession.

LEGISLATIVE SESSION | February
Teaching participants about the legislative process, economic development and community involvement.

PERSONAL MANAGEMENT SESSION | March
Focusing on the personal side of leadership and understanding how certain acts are perceived.

GRADUATION | April
LPE graduation is held at the NSPE-KY Annual Convention.

WHAT CRITERIA IS THE COMMITTEE LOOKING FOR?
The committee will seek representation from across the state.

Participants will be leaders or potential leaders who are active in business, education, the arts, religion, government, community-based organizations and/or ethnic and minority groups with the goal of reflecting the diversity of the state and the profession.

HOW DO I APPLY?
Interested individuals should contact the Kentucky Engineering Center and request an application or visit kyengcenter.org/page/4/.

An employer or sponsor is required to apply. Completed applications must be typed and all sections of the application must be completed. The application must be signed by both the applicant and the employer (sponsor).

WHEN IS THE DEADLINE?
The deadline for returning the application is June 30, 2023. Two photographs, suitable for publication, must accompany the application.

Three recommendation forms must all be completed and submitted, as well.

WHAT IF I HAVE ADDITIONAL QUESTIONS?
Please contact the Kentucky Engineering Center for any additional information at kec@kyengcenter.org.

We’re more than happy to help!

(above) The 2021-22 LPE class held its professionalism session in Carrollton, KY and stopped by Elk Creek Vineyards for dinner and a wine tasting tour.

Leadership PE is absolutely one of the best programs. The skills I learned in that course prepared me for not just what I do today, but who I am.

– Sri Kumar, President of Connico (Leadership PE Class of 2015-16)
2023 NSPE-KY Annual Convention

Each year, NSPE-KY hosts Kentucky’s professional engineers to honor achievement in the industry, recognize its members, and offer continuing education for all.

More than 180 attendees convened at this year’s annual convention at the Embassy Suites Cincinnati RiverCenter in Covington for the 88th annual NSPE-KY convention.

“The annual convention is a great way to recognize those advancing our profession forward and more importantly, an opportunity to learn from one another,” said Russ Romine, NSPE-KY Executive Director. “It takes a lot of teamwork to make this convention come together each year. So, thank you to everyone who played a part in making this year’s such a success.”

The convention started with an ice breaker event at Braxton Brewing Co., catered by Agave & Rye, allowing members to make new connections and catch up with old friends.

HIGHLIGHTS

• 186 attendees were present at this year’s convention.
• 51 presenters discussed topics ranging from Creating Complete Streets in the Commonwealth to Cincinnati Zoo Sustainability Projects.
• 20 sponsors supported this year’s event. Thank you to everyone involved!

Kentucky Secretary of Transportation Jim Gray was the keynote speaker during the Thursday lunch program.

Wicker Frog, an acoustic duo made up of two of our very own PEs – Joe and Lee Kresovsky – provided great music and the Roebling Bridge provided a great backdrop for the President’s Reception on Thursday night. Britt Smith, NSPE President, attended the convention for the second time and new NSPE-KY President Neal Crawford stepped into his new role at the conference.

Several awards were given to recognize members’ significant contributions, including:

• D.V. Terrell Award | Chris Pavese, PE
• Distinguished Service Award | Lora Boller, PE
• Young Engineer of the Year | Sri Kumar, PE
• Most Active Chapter | Bluegrass Chapter
• Outstanding Contribution to Leadership PE | David, Margaret and Jeff Houchin
• Outstanding Contribution to MATHCOUNTS | Dr. Bruce L. Walcott
• Outgoing President’s Plaque and Gavel | Wesley Sydnor, PE
• Charles R. Scroggin Memorial Leadership PE Award | Catherine Dawahare, PE

Finally, Chuck Anderson, PE, was inducted into the NSPE-KY Hall of Fame in recognition of his outstanding service to the engineering profession. Read more about Chuck’s professional career and personal passions on page 6 of the magazine.

For more information on how to get involved, support, or present at next year’s convention, please contact Jodi Dudley at jodi@kyengcenter.org.
GET INVOLVED

www.kyengcenter.org