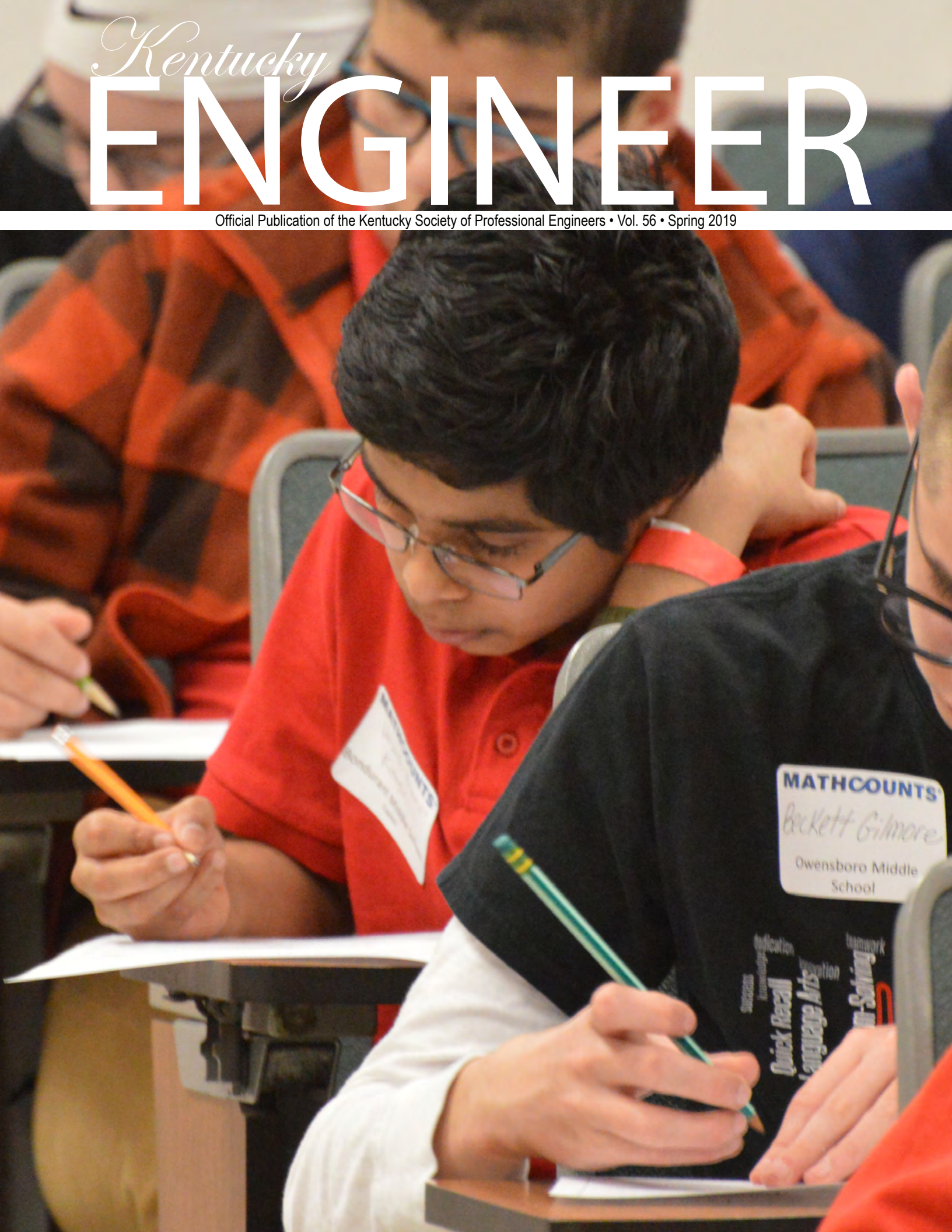


# *Kentucky* ENGINEER

Official Publication of the Kentucky Society of Professional Engineers • Vol. 56 • Spring 2019





# 2019 KSPE Annual Convention

April 17 - 19, 2019 | Omni Louisville



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Congratulations Joseph, Luke, Krishna and Shaurya for advancing to Nationals, as well as Coach Matthew Cramton from Meyzeek Middle School! Good luck!

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On April 11, 2019, Marco M. Rajkovich, Jr., a native of Lynch, Kentucky, and longtime resident of Nicholasville, Kentucky, was sworn in as Chairman and Commissioner of the Federal Mine Safety and Health Review Commission in Washington, D.C. for a term to expire in August of 2024.

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**Reminder!** If you are interested in being part of the 22nd Class of Leadership PE, the application is available and is due by June 30th to the KEC! Find out more information here: <http://bit.ly/2KUZOmq>



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# FROM THE PRESIDENT'S DESK

BY MATTHEW H. ROGERS, PE  
KSPE PRESIDENT - 2018/2019



Wow, the past year seemed to fly by! Serving as President of KSPE was truly an honor and I am extremely grateful for have been given the opportunity to not only serve our Society but having had the privilege to work alongside so many wonderful people addressing the challenges that face our organization and our profession.

Below are a few updates since my last article.

## Executive Director

I am excited to announce that Sara Massey has joined the Kentucky Engineering Center as the new Executive Director of KSPE, ACEC-KY, and the Kentucky Engineering Foundation. Mrs. Massey has spent much of her career in the office of Mayor Greg Fischer in Louisville while most recently serving as the Director of Intergovernmental Affairs. We are excited to have Sara join the staff at the Kentucky Engineering Center and are looking forward to what she will bring for the future of our organization.

## Legislative Update

The 2019 Kentucky General Assembly adjourned their 30-day short session on March 28th. Among other items, KSPE leadership and our lobbyist diligently tracked proposed legislation that dealt with the reorganization of our licensing board. While

HB 178 did not make it out of committee, we anticipate that a version of it will resurface soon. KSPE and its partners will continue to work closely with one another to track this and other potential legislation that affect our profession.

## Annual Convention

We just wrapped up the 84th KSPE Annual Convention at the Omni Hotel in Louisville. About 240 people attended the event and were treated to an incredible venue, excellent presentations, and several networking opportunities. Thanks to all the sponsors, exhibitors, speakers, and all those in attendance. We hope that you received value in attending the convention.

We were pleased to have NSPE Treasurer Brian Armstrong join us for the conference and perform the incoming officer installation ceremony where the gavel was passed to President-Elect Kristen Crumpton. Kristen has been an active KSPE member for several years at both the Chapter and State Level while serving or being the chair of several committees. She has a willingness to serve that is unmatched. I want to thank Kristen for her support this past year and look forward to the progress we can make in the year ahead under



*Installation of Officers ceremony facilitated by NSPE Treasurer Brian Armstrong*

her leadership.

During Friday's luncheon, we were honored to hear from the City of Louisville Mayor Greg Fischer and to see the graduation of the 21st class of Leadership P.E. Congratulations to this year's class for graduating from, in my opinion, one of the best personal and career building programs available.



*Outgoing KSPE President Matt Rogers passing the gavel to Incoming KSPE President Kristen Crumpton.*

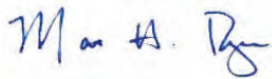
## Closing

KSPE is blessed to have several successful programs and a multitude of other offerings that make being

a member an easy decision for an engineer in Kentucky. Behind those programs, committees, and events, volunteer members across the State spend countless hours preparing to make these programs so successful. I want to thank all of you for your service. Also, I want to thank the KEC Staff, Marcie Fisher and Jennifer Gatewood for their support and guidance this past year. Even without an Executive Director for much of the year, they took on more responsibility and never missed a beat. Thank you both for your continued service and dedication to our Society!

It has been an honor and privilege to serve you as President and I look forward to seeing the continued growth and development of KSPE and the engineering profession.

Sincerely,



Matthew H. Rogers



Outgoing KSPE President Matt Rogers presenting Mike Harris with a President's Award



Outgoing KSPE President Matt Rogers presenting Darin Hensley with a President's Award

# SAYING GOODBYE

Robert Elliot Campbell  
1959-2019



Mr. Robert Elliott Campbell born August 5, 1959 departed this life on Saturday February 23, 2019 at the Hazard A.R.H. Medical Center being 59-years 6-months and 18-days old. Robert was born in Louisville, Kentucky to the late Walter Campbell and Patricia Redwine Wilcox.

Mr. Robert Elliott Campbell leaves the following relatives to cherish his memory: Mother, Patricia Wilcox and Charles of Hazard; Wife, Susan Campbell of Hazard; One Son, Noah Allen Campbell of Hazard; Three Brothers, David Campbell of Manchester, Stephen Craig Campbell of South Carolina and Glenn Campbell and Yulia of Lexington, One Niece, Stephanie Bracey of North Carolina. A host of other family and friends survive.

A Celebration of Life for Mr. Robert Elliott Campbell was conducted on Wednesday February 27, 2019 at Petrey Memorial Baptist Church with Pastor Ronnie Butch Pennington officiating.

## REMINDER

As of July 1st, KSPE is no longer billing three-tiered members. If you are a three-tiered member (NSPE/KSPE/Chapter), you need to renew through NSPE at <http://www.nspe.org>.

KSPE still handles renewals for two-tiered members (KSPE/Chapter). Those renewals can be done through <http://www.kyengcenter.org> or by calling the KEC Office at 502-695-5680.

If you are not a current member of KSPE, to join you need to do so using the NSPE website. You can join by visiting the following link: <https://www.nspe.org/membership/join-now>

Questions?

Please call the KEC office  
at 502-695-5680.

# THE BOARD REPORT

James Ed Manning  
Executive Director

## License Renewals

If you are a licensed Professional Engineer (PE) and/or Professional Land Surveyor (PLS) and the first letter of your last name is within the range A thru K, your license will expire on June 30, 2019.

You can renew your license online. Just go to the board website [www.kyboels.ky.gov](http://www.kyboels.ky.gov) then click "Already Licensed" and follow the prompts, or type this link in your browser: <https://kyboels.ky.gov/Renewals/Pages/default.aspx> Once you are there, just answer a few questions and pay with your credit card.

While we have made the renewal process easy. There are a few important tips to remember.

- **Renew on time.** All licenses expire on June 30 of the licensee's renewal year. Those who renew after that date will be charged a 10% late payment penalty for each month or part of a month that the renewal is late. Moreover, while the regulations permit a licensee to renew his or her license for up to a year after it expires, the licensee is not authorized to practice engineering or surveying on an expired license. If you need more incentive to renew on time, be aware that any licensee who renews on or after September 1 of his or her renewal year is subject to an automatic CPD audit.

- **Answer all renewal questions completely and honestly.** This includes questions about compliance with CPD, disciplinary action by another licensing board, and criminal convictions. If there is an issue, board staff will work with you to resolve it. Providing false information on a renewal application can be grounds for disciplinary action against your license.

- **Avoid a Late Renewal CPD Audit.** If you need more incentive to renew on time, be aware that any licensee who renews on or after September 1 of his or her renewal year is subject to an automatic CPD audit.

- The board sends out a renewal notice to every active

license holder at least 30 days prior to the expiration date to the address provided to the board by the licensee. This notice notwithstanding, each individual licensee is ultimately responsible for maintaining his or her license in current status. We therefore suggest that you set a reminder in whatever calendar or scheduling system you use to make sure you don't miss a renewal. Additionally it is a good idea to regularly update your contact information to the board, including mailing address, email address and telephone numbers.

## Firm Renewals

All Business Entity Permits (aka Firm Permits) expire on December 31 every year. The rules regarding late renewal penalties and prohibition of practice while expired apply to Firm Permits in the same way as they apply to individual licenses.

The window for online renewal of Firm Permits will open about Mid-November. Please mark your calendars accordingly.

## Exam Changes

The **PE Mechanical** exam will be given in paper and pencil format for the last time in October 2019. Beginning November 4, 2019, examinees will be able to register and schedule Computer Based Testing (CBT) appointments, which will be available year-round starting on April 1, 2020.

The **PE Fire Protection** exam will be given in paper and pencil format for the last time in October 2019 and transition to CBT in October 2020.

The **PE Petroleum** and **PE Nuclear** exams will transition to CBT in October 2019. However these exams will be administered one day only, on Tuesday, October 15, 2019. Registration for these exams is open now and examinees are encouraged to register as soon as possible.

## New Board Members

On March 6, 2019 Governor Bevin reappointed Ryan Carl Griffith, PE to a second term. Mr. Griffith is a graduate of the University of Kentucky from which he earned a BS degree in Civil Engineering. He also holds an MBA degree from Kentucky State University. He has been employed at the Kentucky Transportation Cabinet for thirty years and currently serves as Director of the Division of Construction. Mr. Griffith has been a licensed professional engineer since 1997. Mr. Griffith's new term will expire on January 1, 2023.

On May 2, 2019 Governor Bevin appointed Christopher Gephart, PLS to replace Donald Pedigo, PLS whose

term had expired. Mr. Gephart holds a BS degree in Construction Technology from Northern Kentucky University. He has been employed by Bayer and Becker, Inc. of Fort Mitchell for thirty years and currently serves as Principal and Vice President of Land Surveying Services. Mr. Gephart has been a licensed Professional Land Surveyor since 1996. Mr. Gephart's new term will expire on January 1, 2023.

We welcome Mr. Griffith and Mr. Gephart, and we thank departing member Donald Pedigo for his exemplary service to the Board, the professions, and the citizens of the Commonwealth.

### Calendar of Events 2019

|               |                                                                |
|---------------|----------------------------------------------------------------|
| May 16-18     | NCEES Joint Western/Southern Zone Mtg.<br>Boise Idaho          |
| June 17       | Registration for Fall Paper & Pencil PE<br>Exams Opens         |
| July 25       | Committee Meetings<br>Frankfort KY                             |
| July 26       | Board Meeting<br>Frankfort KY                                  |
| August 14-17  | NCEES Annual Meeting<br>Scottsdale AZ                          |
| August 29     | Registration for Fall Paper & Pencil PE<br>Exams Closes 3:00pm |
| August 29     | Last day to request Special<br>Accommodations for Testing      |
| October 15    | PE Petroleum & PE Nuclear Exams via<br>Single Day CBT          |
| October 24    | Committee Meetings<br>Frankfort KY                             |
| October 25    | Board Meeting<br>Frankfort KY                                  |
| October 24    | PE, STR Vertical Exams<br>Louisville KY                        |
| October 25    | STR Horizontal Exam<br>Louisville KY                           |
| October 25-26 | All other Paper and Pencil PE Exams<br>Louisville KY           |

## ENFORCEMENT ACTIONS SUMMARY

For The Period

January 11, 2019 – April 26, 2019

Kyle Elliott, Director of Enforcement

### ACE DESIGN GROUP, LLC/WILLIAM D. STEELE

On April 26, 2018, the Board received a written complaint that William D. Steele was operating ACE Design Group, LLC, a Murray, KY business, which was advertising engineering services without the appropriate business permit, or professional engineer on staff, in violation of KRS 322.010. A Board investigation confirmed these allegations. To resolve the matter, ACE Design Group, LLC, through its manager, William D. Steele, entered into an Agreed Injunction, which enjoins him from further advertising engineering services, and requires him to remove all references to engineering and engineering services from the ACE Design Group website, to cease all advertising and offers to provide engineering services, and to destroy any and all printed material advertising engineering services. No penalty was assessed for the current violation, however, the Agreed Injunction calls for a \$1,000 fine and seven (7) days in jail for any future violations. The Agreed Injunction was entered into Franklin Circuit Court on April 24, 2019.

### ROBERT BRUCE FISACKERLY, PE

Robert Bruce Fisackerly, PE, of Memphis, TN, entered into a consent decree with the Board of Licensure on January 12, 2018, for failing a Continuing Professional Development (CPD) audit. Among other things, that agreement called for an automatic reporting of his CPD for 2017/2018, by January 7, 2019. Mr. Fisackerly failed to submit his certificates for his 2017/2018 CPD by the deadline, and his professional engineering license was suspended. Mr. Fisackerly subsequently complied with reporting of his CPD, and his license was restored to a Current status.

### ALBON WADE MEADE, PE

Albon Wade Meade, of Prestonsburg, KY, entered into a consent decree with the Board of Licensure on April 27, 2018, for his failure to respond to a Continuing Professional Development (CPD) audit, and for his failure to take the required 30 professional development hours of CPD during the 2016/2017 reporting period. Among other things, that consent decree called for Mr. Meade to provide the Board with a completion certificate for the online, 60-pdh course in Engineering Ethics, offered by Texas Tech University, within six months. Mr. Meade failed to submit his completion certificate by the deadline. He was notified of his default and after the fourteen-day notification period, his professional engineering license was suspended. Mr.

# THE BOARD REPORT

*continued*

Meade was also notified at that time that he had thirty (30) days to cure the default or his engineering license would be revoked. Mr. Meade failed to cure the default, and his professional engineering license was revoked on April 5, 2019.

## **ZEYN B. UZMAN, PE**

In March 2016, the Board of Licensure learned that Zeyn B. Uzman, PE, of Malvern, PA, was disciplined in Arizona for engaging in conduct that would subject him to discipline in Kentucky under KRS 322.180 (11). Further investigation found that Mr. Uzman had stamped and certified the work product on three Kentucky projects, despite the fact that work on those projects was not prepared by him or by someone under his direct supervision, in violation of KRS 322.180 (16). In addition, when Mr. Uzman renewed his Kentucky engineering license on June 2, 2018, he answered “no” to the question, “Since your last renewal, has any state taken disciplinary action against you,” when in fact, three other state boards had disciplined his license in the interim between his Kentucky renewals, which false answer constitutes a violation of Mr. Uzman’s ethical obligations under 201 KAR 18:142, Section 3. The case was settled with a Consent Decree wherein Mr. Uzman voluntarily surrendered his license as a Professional Engineer in Kentucky. The Board accepted the Consent Decree on April 26, 2019.

## **GREGORY A. WEST, PLS**

Gregory Alan West, PLS, of Monticello, KY, was disciplined for committing violations of the surveying Standards of Practice, as set out in 201 KAR 18:150, and for failing to pass an audit of his Continuing Professional Development (CPD) obligations for the 2016/2017 reporting period. In addition, Mr. West had answered, “yes” to the question, “have you met the continuing professional development requirements?” during his online renewal. The inaccurate answer to the CPD question constituted a violation of KRS 322.180. These matters were resolved through a Consent Decree wherein Mr. West acknowledged the violations and by agreement shall: (1) receive a written Reprimand, (2) pay a \$2,000 fine, (3) provide proof of his participation in sixteen professional development hours of qualifying CPD activities for the

2018/2019 reporting period, by no later than January 10, 2020, (4) attend a live presentation of the four hour Standards of Practice and Code of Professional Practice and Conduct seminar within six months, and (5) be on probation for two years during which time he will submit to a quarterly review of his surveying work. The Board accepted this Consent Decree on April 26, 2019.

## **TODD REYLING, PE**

In December 2018, the Board of Licensure learned that Todd Reyling, PE, of Smithton, IL, had been disciplined in Ohio for violating Ohio’s regulatory and administrative codes involving “conflict of interest”, “misconduct” and “violations of any rule adopted by the Board”. A settlement of the Ohio disciplinary action called for a reprimand, a one thousand dollar fine, a suspension of six months, and a probation of five years. Additionally, Illinois disciplined Mr. Reyling for “engaging in dishonorable, unethical or unprofessional conduct of a character to deceive, defraud or harm the public.” A settlement of the Illinois disciplinary action called for placing Reyling’s engineering license on probation for five years and imposed a fine of five thousand dollars. The facts of the Ohio and Illinois actions are sufficient to subject Mr. Reyling to discipline by the Kentucky Board of Licensure pursuant to KRS 322.180 (11). These matters were settled through a Consent Decree wherein Mr. Reyling acknowledged the violations and by agreement shall: (1) be on probation in Kentucky until such a time as he has satisfied the terms and conditions of his probation in Illinois, and (2) pay an administrative fine of one thousand dollars. The Board accepted this Consent Decree on April 26, 2019.

## **STEPHEN W. HIBBS, PLS**

Stephen W. Hibbs, PLS, of Bardstown, KY, was disciplined for providing professional land surveying services on an expired license, which constitutes a violation of KRS 322.020, and for failing to comply with the Continuing Professional Development (CPD) requirements for professional land surveyors, in violation of 201 KAR 18:192. These matters were resolved through a Consent Decree wherein Mr. Hibbs acknowledged the violations and agreed to the following sanctions: (1) he shall receive a written Reprimand, (2) he shall pay a \$1,000 fine, (3) he shall file an application for reinstatement of his professional land surveying license, and (4) he shall submit proof of his participation in at least thirty two professional development hours of qualifying CPD activities to cover his obligation for calendar years 2015, 2016, 2017 and 2018, within ten days. The Board accepted this Consent Decree on April 26, 2019.



# THE BOARD REPORT

*continued*

## THREE-YEAR REVIEW

The majority of complaint investigations do not result in a disciplinary action against a licensee. In a three-year review of disciplinary actions, only thirty-two percent of complaints resulted in a disciplinary action.

Over that three year period, the five most frequent reasons for disciplinary action were:

### 1. No permit, or practicing on an expired permit

Any business entity offering engineering or land surveying services in the Commonwealth must apply for and obtain a business entity permit with the Board of Licensure. Business entity permits expire annually on the 31st of December. Notices of these expirations are sent out approximately 30 days prior to the expiration, to the address on record with the Board of Licensure.

### 2. Failure to comply with the Continuing Professional Development regulations, or failure to respond to an audit

Continuing Professional Development hour requirements are to be obtained on a reporting period basis that coincides with your renewal schedule – every two years. Land surveyors are required to obtain eight (8) professional development hours per calendar year, for a total of sixteen (16) hours per reporting period, and engineers are required to obtain thirty (30) professional development hours for each reporting period. There are some exceptions and each profession has some slightly different requirements. See 201 KAR 18:192 and 201 KAR 18:196 for the details

### 3. Failure to comply with the Standards of Practice for boundary surveys;

### 4. Failure to meet the terms of a Settlement Agreement with the Board of Licensure; and

### 5. The Unlicensed practice of either engineering or land surveying.



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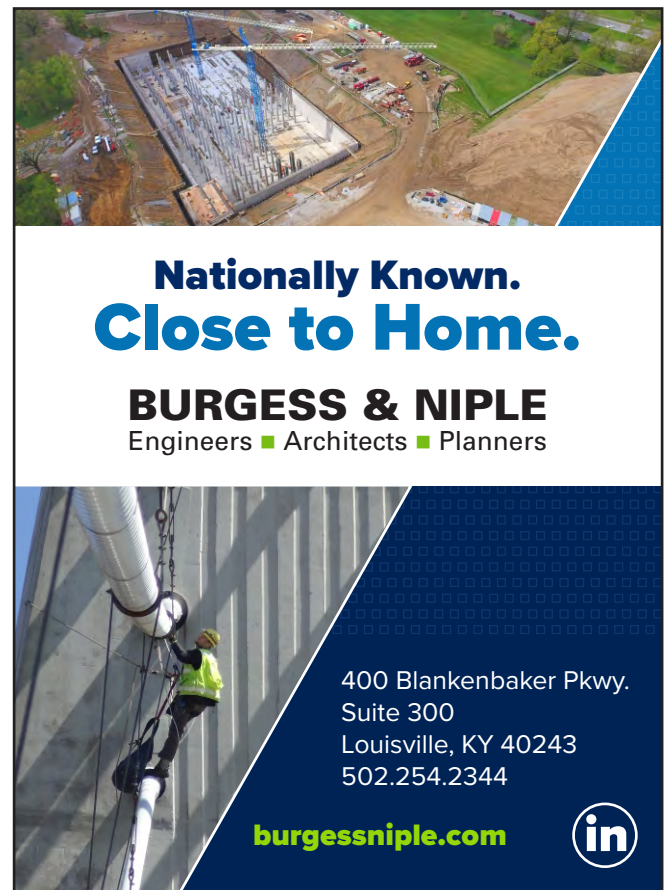
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# EXECUTIVE DIRECTOR'S REPORT

BY SARA M. MASSEY  
EXECUTIVE DIRECTOR  
KSPE | ACEC-KY | KEF



It is only my third week with the Kentucky Society of Professional Engineers (KSPE) and it has been an exciting start so far! Last week already gave me the opportunity to experience my very first KSPE Annual Convention. I was overwhelmed by the warm welcome from everyone and the comradery of the KSPE members, especially the 2019 Leadership P.E. class (you'll hear more about them in a minute)!

Before the KSPE updates, I would like to take a moment to introduce myself to everyone I have not yet met. I began working for KSPE on April 8th after an 8-year tenure with Mayor Greg Fischer of Louisville where I was the Director of Intergovernmental Affairs. In this role, I oversaw the coordination of the intergovernmental affairs team at the state and local level as well as acted as a liaison to the suburban cities and labor organizations within Louisville Metro. A primary aspect of my position was the development of the Mayor's legislative agendas and the successful passage of those items – this included multiple bills ranging from vacant and abandoned property remediation tools to penalties for felony gun possession to roughly \$26 million of specific road projects in the Biennial Highway Construction Plans. I also worked closely with the Kentucky Association of Counties and the Kentucky League of Cities on a number of issues and served on the Kentucky League of Cities Board of Directors. I currently reside in Louisville with my husband and two young daughters, however, I am originally from Owensboro, KY.

I look forward to using my experience and background to help grow KSPE. I want to ensure that KSPE is providing the best tools and resources for our members and focusing on how to grow that membership. I also want to make sure our advocacy initiatives are proactive in protecting the interests of the engineering profession and that we're taking advantage of opportunities to develop and strengthen our partnerships.

## MATHCOUNTS

The Kentucky MATHCOUNTS season finished up on

March 23rd at Ernst Hall at the University of Louisville with the Kentucky State MATHCOUNTS Competition. Chapter Competitions were hosted in February across the state to see which mathletes would advance to the State Competition.

We want to congratulate our top four finishers and the winning team coach from our State Competition who will be moving on to the National Competition, representing Kentucky. Congratulations to Luke Mo, 8th Grader from Meyzeek Middle School in Louisville (1st Place), Joseph Vulakh, 7th grader from Tates Creek Middle School in Lexington (2nd Place), Krishna Bhatraju, 8th grader from Winburn Middle School in Lexington (3rd Place), Shaurya Jadhav, 8th grader from Holy Name School in Owensboro (4th Place), and Coach Matthew Cramton of Meyzeek Middle School (1st Place Team) on your accomplishments and advancing to Nationals to represent Kentucky. We know you will make us proud! The National Competition is being held in Orlando on May 11-13.

Here in Kentucky we are extremely proud of our MATHCOUNTS Program. It is a middle school math education program for 6th, 7th and 8th graders. MATHCOUNTS' mission is to increase interest and involvement in mathematics among all intermediate school students in order to assist in developing a technically literate population essential to US global competitiveness and the quality of life. Within Kentucky MATHCOUNTS, we have one of the strongest scholarship programs throughout the country, offering 59 scholarships each year. At our Chapter Competitions, the University of Kentucky and Western Kentucky University offer college scholarships to our first-place individuals in each of our thirteen chapters. At the State Level, more college scholarships are offered from the University of Kentucky and the University of Louisville. We are so lucky and grateful of the partnerships and support we get from those three Universities. Kentucky MATHCOUNTS has such an impact on these mathletes and their families so we appreciate all the support we get from our Chapter Coordinators, the teachers who coach these teams, the mathletes, our sponsors at both the State and Chapter Levels – we really could not do this without you!

If you know a 6th, 7th or 8th grader, that enjoys math and is not already involved in Kentucky MATHCOUNTS, we encourage you to learn more about the program and start competing. More information can be found at <http://www.kentuckymathcounts.org>.

## Annual Convention

The KSPE Annual Convention was held April 17-19th at the beautiful Omni Hotel in Louisville. Nearly 250

individuals attended and had the opportunity to attend 50 classes to receive up to 16 professional development hours. Friday morning we had the pleasure of hearing from student across the commonwealth who are involved in STEM programs – this included MATHCOUNTS, Future Cities, Arvin Center’s High School STEM Program, the EC3 (Hardin County Schools Early College and Career Center) VEX Robotics Team, the duPont Manual Science Olympiad team and The Kentucky Girls STEM Collaborative. We closed on Friday with Mayor Greg Fischer giving us our luncheon keynote address. Mayor Fischer outlined how engineers helped him to develop his invention behind his company Servend, how he encouraged the State to value engineer the Ohio River Bridges in order to complete the project, and how he understands the importance of engineering and the dedication it takes to get a PE. The following awards were also presented during the convention:

**DV Terrell Award**  
**Jordan Basham, PE** of  
 Louisville MSD

**Distinguished Service Award**  
**Kelly Meyer, PE, PLS** of  
 HDR



*Attendees of the Convention during the STEM Highlight on Friday Morning*



*Kelly Meyer with President Matt Rogers, receiving his Distinguished Service Award*



*Wes Sydnor with Leadership PE Chairman Jason Bricker receiving his Outstanding Contribution to Leadership PE Award*

**KSPE Young Engineer of the Year**  
**Chris Rust, PE** of  
 Strand Associates

**Outstanding Contribution to MATHCOUNTS**  
**Robert E. Campbell, PE**

**Charles R. Scroggin Memorial Leadership PE Award**  
**Trey DeRoche, PE** of  
 Hazen and Sawyer

**Outstanding Contribution to Leadership PE**  
**Wesley Sydnor, PE** of  
 Louisville MSD

**President’s Awards went to:**  
**R. Darin Hensley, PE, PLS** of  
 EA Partners

**Michael C. Harris, PE** of  
 Jacobi, Toombs & Lanz

Next year’s KSPE Annual Convention will be held in Lexington at the Marriott Griffin Gate on April 15-17, 2020. More details will come as they are finalized.

**2019 Leadership PE Class Graduation**

As I mentioned earlier, the 2019 Leadership PE class was an impressive group of 16 individuals. This was my first time meeting a Leadership PE class and I was struck by how fun and eager to pitch in everyone was. They made sure their personalities and friendship came through during their graduation ceremony on Friday, April 19th. Their class has definitely left their mark and set the bar for future classes.

# EXECUTIVE DIRECTOR'S REPORT

(continued)



This year's graduates included:

**Katie L. Beard, PE** - *Frankfort Sewer Department*

**Devin L. Chittenden, PE** - *HDR, Inc.*

**Krista E. Citron, PE** - *Kentucky American Water*

**Trey DeRoche, PE** - *Hazen and Sawyer*

**Colette R. Easter, PE** - *Louisville MSD*

**Hope R. Evans, PE** - *US Army Corps of Engineers*

**Eric B. Fister, PE** - *GRW Engineers, Inc.*

**Ryan C. Griffith, PE** - *Kentucky Transportation Cabinet*

**Alison Gwynn, PE** - *Gresham Smith*

**Joshua C. Hunn, PE, CFM** - *AECOM*

**Anna C. Klenke, PE** - *Michael Baker International*

**Jeremiah T. Littleton, PE** - *Qk4*

**J. Taylor Perkins, PhD, SE, PE** - *Stantec Consulting Services, Inc.*

**Christopher J. Sivley, PE** - *Cornerstone Engineering, Inc.*

**Amy K. Tempus-Doom, PE** - *Kentucky Division for Air Quality*

**Coty E. Young, PE** - *US Army Corps of Engineers*

If you know of an engineer who would be interested in participating in the 2020 Leadership PE class, please have them apply.



*Congratulations to the 21st Class of Leadership PE on their graduation! Photo from their February Session while at the State Capitol*

Application and information can be found here - <http://bit.ly/2KUZOmo>

## KSPE Leadership Conference

The KSPE Leadership Conference will be held May 30-31 at French Lick. The KSPE Executive Board will come together during this time to discuss the goals and future of KSPE. I look forward to providing an update of things to come after the leadership conference!

## NSPE Professional Engineers Conference

The National Society of Professional Engineers is hosting its Professional Engineers Conference on July 17-21 at the Kansas City Marriott Downtown. At the conference, you can connect with like-minded professionals, earn continuing education credits and learn about the top issues facing the engineering profession. If you want to learn more or even possibly attend the conference, you can find more information at <http://www.nspe.org>.

The advertisement features a large, bold slogan "TOGETHER, WE CAN BUILD STRONGER COMMUNITIES" at the top. Below the slogan, the word "COMMUNITIES" is written in very large, black, block letters. Various colorful icons representing different professions (a firefighter, a construction worker, a doctor, a scientist, a person with a laptop, a person with a camera, a person with a microscope, a person with a globe) are placed around and on top of the letters of "COMMUNITIES". At the bottom, the logo for "CDI CIVIL DESIGN, INC." is displayed, along with the text "WBE|DBE" and a list of services: "INFRASTRUCTURE + ANALYTICS SITE DEVELOPMENT STRUCTURES SURVEY TRANSPORTATION WATER RESOURCES". The website address "WWW.CIVILDESIGNING.COM" is at the bottom.



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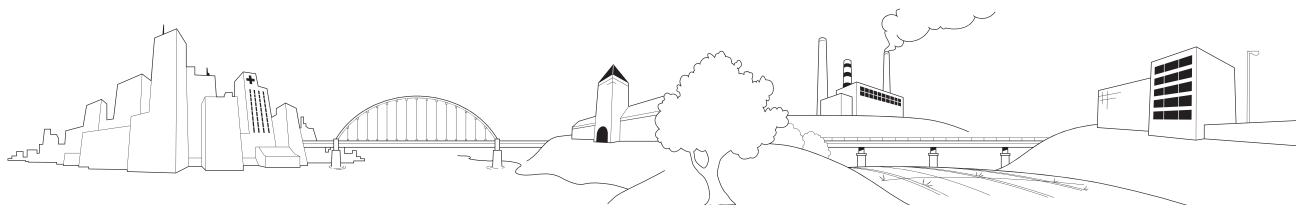
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## May 2019

May 29  
KYTC Basic Traffic Engineering Design - Kentucky Engineering Center, Frankfort

## June 2019

June 4-6  
Beginner HEC-RAS - Kentucky Engineering Center, Frankfort

June 13  
Spring Dendrology & Native Tree Identification - Bernheim Arboretum & Research Forest

June 25-28  
MicroStation I for Civil Professionals - Kentucky Engineering Center, Frankfort

## July 2019

July 9-12  
Upgrading to OpenRoads Designer - Kentucky Engineering Center, Frankfort

July 16-17  
Upgrading to MicroStation CONNECT - Kentucky Engineering Center, Frankfort

July 18-19  
Upgrading to OpenRoads Survey - Kentucky Engineering Center, Frankfort

## August 2019

August 8  
Design of ADA Sidewalk Facilities for Roadways in the Public Right-of-Way - Kentucky Engineering Center, Frankfort

August 13-14  
Roadside Design Guide - Kentucky Engineering Center, Frankfort

## September 2020

September 3-5  
2019 ACEC-KY/FHWA/KYTC Partnering Conference - Galt House Hotel, Louisville

## February 2020

February 4  
9th Annual Bridge Seminar Day - Marriott Griffin Gate, Lexington

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# FROM THE PROFESSION

## ***Marco M. Rajkovich, Jr. sworn in as Chairman of the Federal Mine Safety & Health Review Commission***

On April 11, 2019, Marco M. Rajkovich, Jr., a native of Lynch, Kentucky, and longtime resident of Nicholasville, Kentucky, was sworn in as Chairman and Commissioner of the Federal Mine Safety and Health Review Commission in Washington, D.C. for a term to expire in August of 2024. The Commission is an independent adjudicatory agency that provides nationwide administrative trial and appellate review

of legal disputes arising under the Federal Mine Safety and Health Act of 1977, with headquarters in Washington, D.C. and satellite offices in Denver, Colorado and Pittsburgh, Pennsylvania. Chairman Rajkovich was first nominated by President Donald J. Trump

in January of 2018, re-nominated in January of 2019 and confirmed by the U.S. Senate on March 14, 2019.

Prior to that appointment, he was co-manager of the Lexington, Kentucky law firm of Rajkovich, Williams, Kilpatrick & True, PLLC which was formed in 2005. From 1987 to 2005, Rajkovich was with the Lexington office of Wyatt, Tarrant & Combs, LLP as Partner, Co-Chair of the Mineral & Energy Practice Group, Chair of the Mine Safety Litigation Subgroup and served in various management positions with the law firm. Prior to his law career, he was with U.S. Steel Mining Company, Inc. from 1974 to 1984 serving in various positions in engineering as well as production. He is a Licensed Professional Engineer – Mining, a Licensed Professional Land Surveyor and Certified Underground Mine Foreman in Kentucky. He is also a Permanent Deacon of the Catholic Diocese of Lexington.



Rajkovich is a 1973 graduate of Lynch High School, 1977 graduate of the University of Kentucky College of Engineering, where he earned a Bachelor of Science degree in Civil Engineering with the Mining Option and was a member of Chi Epsilon Civil Engineering Honorary. He is a 1987 graduate of the University of Kentucky College of Law where he was a member of the Journal of Mineral Law & Policy. He also holds a 2016 Master of Arts (Pastoral Theology) from Saint Meinrad Seminary and School of Theology.

Throughout his law career, Rajkovich has provided representation in several mine explosions, disasters, major accident litigation and mineral law issues, some of which have gained national prominence. He has argued cases in front of the Federal Mine Safety and Health Review Commission, Kentucky state courts, the Court of Appeals of Kentucky and has practiced in several U.S. District

Courts and U.S. Courts of Appeals across the nation.

Rajkovich was given the 2008 Achievement in Mining Award by the Kentucky Society of Professional Engineers, was a six-time recipient of the KSPE President's Award, named the NRCC Business Advisory Council 2005 Honorary Chairman for Kentucky, the NRCC 2005 Business Man of the Year, awarded the NRCC 2006 Congressional Medal of Distinction,

named a Kentucky Super-lawyer, given the 2011 Honorary Membership in the Kentucky Association of Professional Surveyors, named in Best Lawyers in America as 2014 Lawyer of the Year—Energy Law—Lexington, Ky, and was given the 2014 Distinguished Alumni Award, Mining Engineering by the University of Kentucky.

Throughout his career, Rajkovich has authored several articles and contributed to several treatises regarding mining. For many years, he was authorized by the Kentucky Board of Licensure for Professional Engineers and Land Surveyors as an instructor on ethics and minimum technical standards and has given national presentations on ethics for the National Society of Professional Engineers. He is married to the former Kathleen Baumgartner and is the son of the late Marco Rajkovich, Sr. and the late Helen Rajkovich, both longtime residents of Lynch, Kentucky.

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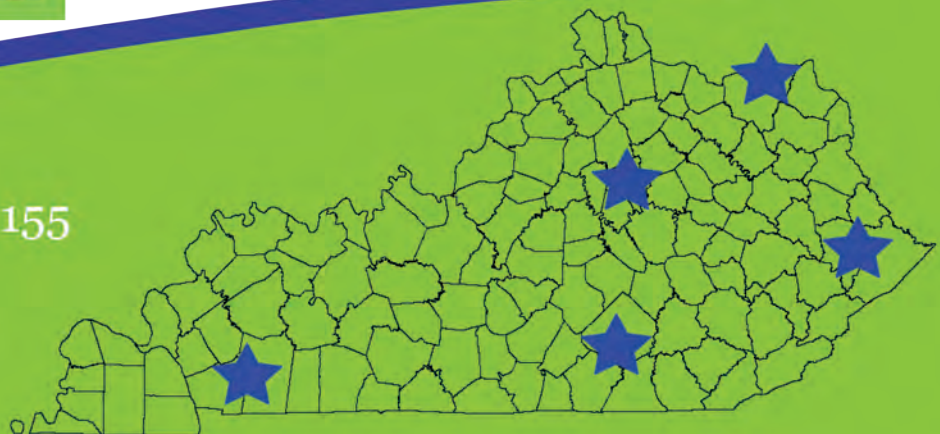
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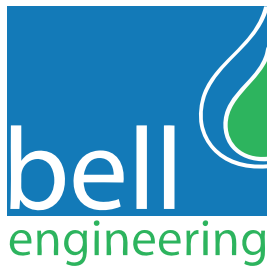
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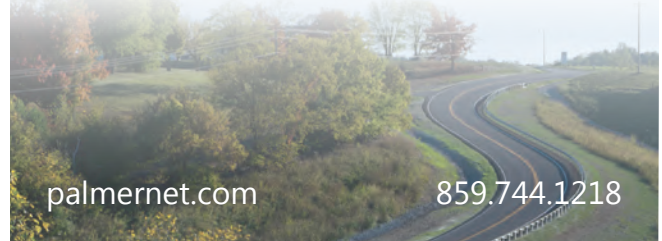
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# KENTUCKY MATHCOUNTS®

MATHCOUNTS season is one of the highlights of our year! This year did not disappoint. On February 16th, eleven of our thirteen chapters hosted their Chapter Competitions, with two of the thirteen hosting on February 23rd. Across those thirteen chapters, 109 different schools registered, with 106 teams and 459 individuals, totaling 883 students in total for the Chapter Competitions in Kentucky. That's quite a crowd. Through our Chapter Competitions, students compete for advancement to the State Competition but they also compete for scholarships. The University of Kentucky and Western Kentucky University have offered scholarships to our individual winner of the chapter competitions since 2012. Students who also place first at chapter receive a scholarship from Kentucky MATHCOUNTS. This program is an amazing opportunity for 6th, 7th and 8th graders to practice their skills in mathematics and help them in their future.

Once Chapter competitions are completed, we take in all of the advancement information to get ready for our State Competition which was held on March 23rd at Ernst Hall on the University of Louisville's Campus. On the morning of March 23rd, 51 schools were represented at the Kentucky MATHCOUNTS State Competition. Advancing to State is no easy task, but was accomplished by 27 teams and 45 individuals, totaling 153 students for the day. The mathletes begin by testing the Sprint Round, taking 40 minutes to answer 30 questions in a testing booklet. During the Sprint Round, mathletes are not allowed to use a calculator. Once the Sprint Round is complete, mathletes can pull out their calculators as they move on to the Target round, which has them answering two questions in ten minutes for a total of eight questions. To round out the testing, the Team Round is held last. A sigh of relief comes from many of the mathletes following the completion of the Target and Team rounds because the majority of the competition is completed. All that remains is the Countdown Round, which is quick recall questions, for the top 12



*Students testing during the 2019 Kentucky MATHCOUNTS State Competition*



finishing individuals at the State Competition. The Countdown Round is used only determine who wins that particular event; it does not impact the results of the morning portion of the competition.

This year, the following individuals advanced to represent Kentucky as a team at the National Competition, being held May 11-13 in Orlando, Florida:

- 1st Place: Luke Mo, 8th Grader, Meyzeek Middle School in Louisville
- 2nd Place: Joseph Vulakh, 7th Grader, Tates Creek Middle School in Lexington
- 3rd Place: Krishna Bhatraju, 8th Grader, Winburn Middle School in Lexington
- 4th Place: Shaurya Jadhav, 8th Grader, Holy Name School in Owensboro

The Coach of this year's Kentucky MATHCOUNTS National Team is Matthew Cramton of Meyzeek Middle School whose team placed first in this year's Team Round Competition.

### **Let's Meet Our Coach!**

Coach Matthew Cramton has been a teacher at Meyzeek



The 2019 Kentucky MATHCOUNTS Team (Pictured left to Right): Joseph Vulakh, Luke Mo, Krishna Bhatraju, and Shaurya Jadhav

Middle School in Louisville for the last eight years. Matthew became involved in MATHCOUNTS two years ago as an assistant coach. What he enjoys most outside of watching the students succeed at competitions, is interacting and working with them during practices. He said, “The students enjoy seeing each other succeed. It is a positive environment to be a part of.” When asked if there was a particular reason that he decided to coach MATHCOUNTS, Matthew shared, “It is a combination of my passion for teaching and a love for math.” Outside of MATHCOUNTS and teaching, Matthew coaches Rocketry at Meyzeek. He said that although this is the second year that they have had a team, this is the first time they will be submitting qualification flights for the Team America Rocketry Challenge.

### Meeting Our Mathletes

First place individual in the Kentucky MATHCOUNTS was Luke Mo, 8th grader, of Meyzeek Middle School in Louisville. Luke did have the opportunity to compete at the National Competition last year when it was



Luke Mo, 8th Grader from Meyzeek Middle School, placed 1st

held in Washington DC, after securing fourth place in the 2018 Kentucky State MATHCOUNTS Competition. Math is not Luke’s favorite subject, social studies is and he says that is all because of his teacher, Mr. Chapman. But Luke does still enjoy math, he says, “It interests me because it has many real-world applications and allows you to be creative. My favorite part of the competition is the target round, because you

get more time per question.” He also enjoys science and finds it interesting, which is why in the future he would be interested in majoring in Biology. MIT is where Luke would like to attend college, he says, “because it has very good

math and science programs”. Typically, Luke will study 5-20 hours per week, depending on how much homework he has and he participates in practices at Meyzeek every Friday after school. Outside of math and all of his other studies, Luke plays the violin. He’s been playing for four years and was 2nd Violin First Chair at JCPS All County. As far as summarizing thoughts about MATHCOUNTS, Luke had this to say, “I like how MATHCOUNTS encourages student to do math, but it is a bit competitive. Also, I think the test should be a bit harder at State and a bit easier at Chapter.” Maybe someday we could recruit Luke to help put some of the problems together that the mathletes are tested on.

Coming in second, Joseph Vulakh is a 7th grader at Tates Creek Middle School in Lexington. In 6th grade, Joseph came in the top 25% at the State Competition in 2018, placing 26th out of 155 students. Joseph has been

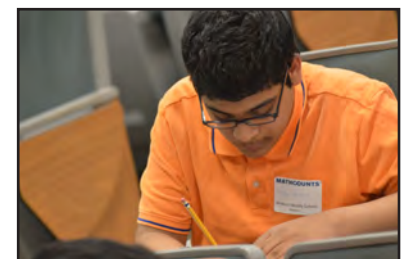


Joseph Vulakh, 7th Grader from Tates Creek Middle School placed 2nd

encouraged to participate in MATHCOUNTS by his family, and more specifically his brother David who placed 6th as an 8th grader in the State Competition in 2016. David encouraged Joseph to work hard to surpass his accomplishment at State and Joseph has done just that as a 7th grader. The first experience Joseph had with MATHCOUNTS was traveling with his brother for the competitions in 2014-2016.

The Target Round is Joseph’s favorite portion of the competition, he says he enjoys the Target Round because the problems are more difficult. To accomplish second place at the State Competition and to continue his excellence and mastery of math, Joseph studies daily at home.

Krishna Bhatraju, 8th grader from Winburn Middle School in Lexington, placed third at this year’s Kentucky MATHCOUNTS Competition. His first exposure to MATHCOUNTS was last year; he placed 10th at Chapter and 11th at State. “My favorite experience with MATHCOUNTS is preparing for the competition. I have worked for almost two years for my 8th grade chapter and state competitions,” he told us. He credits much of



Krishna Bhatraju, 8th grader from Winburn Middle School placed 3rd

his success to the support of his parents and his 7th grade mathematics teacher, Mr. Durham, who was always ready to

# KENTUCKY MATHCOUNTS®

answer any of his questions from MATHCOUNTS. When describing why math is his favorite subject, Krishna shared, “I have always enjoyed the rigorous and logical structure of it. It always intrigued me what kind of problems can be solved with math.” The Sprint Round is Krishna’s favorite part of the competition because he says it allows him to solve multiple problems while under time constraints. In the future, Krishna hopes to attend MIT to study computer science. Outside of math, Krishna plays chess. He was the Quad C Chess Champion for the 2016-2017 and 2017-2018 school years. Summarizing his thoughts on MATHCOUNTS, Krishna said, “MATHCOUNTS is a wonderful competition that shaped my skills as a mathlete. It helped me learn the strategies to tackle many different types of problems, many involving real world applications and activities. I strongly recommend MATHCOUNTS to any aspiring middle schooler in the country.”

From Holy Name School in Owensboro, Shaurya Jadhav, an 8th grader, placed 4th at this year’s competition. Shaurya first participated in MATHCOUNTS as a 6th grader, which he credits to his mom who made sure he could participate even though the school did not have a team established that December before the February Chapter competition. Regarding his favorite experience with MATHCOUNTS, Shaurya said, “This state competition has been my favorite since I get to go to Nationals! I made friends and had a lot of fun.” He enjoys math because it is fun and has many uses in actual life; and, because “math makes sense to me.” He likes the Target Round best because he feels like he has more flexibility in regard to time. Since he was little, Shaurya has dreamed of attending MIT because they have an amazing tech department. He hopes to study nuclear physics because he says, “atoms are the most basic things of everything and it is also a very growing subject.” Shaurya stays busy outside of enjoying math. He has played the guitar for eight years, has play basketball for eight years, and tennis for five years. When asked if there were improvements that could be made to MATHCOUNTS, he said, “No improvements needed.



Shaurya Jadhav, 8th Grader from Holy Name School took home 4th place

MATHCOUNTS helps me to be more interested in math and do well in stressful situations.”

We are so excited for this team and these mathletes to move forward to the National Competition. It’s been another great year for Kentucky MATHCOUNTS! Congratulations to all the mathletes who competed at the State Competition, as well as the Chapter Competition. You should be proud of all that you’ve accomplished! We look forward to seeing you all next year for our Chapter Competition on February 15th and our State Competition on March 21st.

*“Pure mathematics is, in its way, the poetry of logical ideas.” – Albert Einstein*



*“We will always have STEM with us. Some things will drop out of the public eye and will go away, but there will always be science, engineering, technology. And there will always, always be mathematics.” - Katherine Johnson*





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