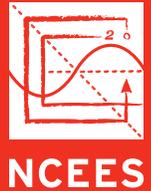


# Licensure EXCHANGE

FEBRUARY 2021  
Volume 25, Issue 1



## EXAM NEWS

### PE Structural grading goes virtual in response to COVID-19

WHEN NCEES EXAM DEVELOPMENT ENGINEER Jason J. Gamble, P.E., logged on to the first Zoom meeting for grading of the Principles and Practice of Engineering Structural exam on November 30, he was worried he may be in for a long week. The virtual meeting platform was having some technical difficulties, but the exam development committee's leadership needed to meet to prepare for the week's grading task.

And a task it was. Because of the COVID-19 pandemic, the team of graders—subject-matter experts who are a mix of building and bridge structural engineers from across the United States—could not meet in person at NCEES headquarters as they normally would. Instead, the organization's exam development and IT staff needed to develop a way for them to meet virtually to grade the October 2020 exams.

The PE Structural exam is the only NCEES licensing exam that includes constructed-response, or essay, questions. While the morning portion of the exam is made up of multiple-choice questions that test a range of structural engineering knowledge and are scored by machine, the afternoon portion uses essay questions

that focus on either buildings or bridges. The responses to these constructed-response questions are graded by subject-matter experts.

As with in-person grading, a team of more than 85 subject-matter experts worked together virtually to grade responses to the essay questions. While the graders could collaborate via Zoom, they needed software to distribute the questions and record grades—jobs that are normally handled by NCEES staff at in-person meetings. NCEES IT staff developed a secure program with proprietary software to manage these tasks instead.

To allow for learning curves and unfamiliar processes, NCEES added extra days to the grading workshop. The organization's in-person grading is usually conducted over three days: Thursday is for committee leadership to make final preparations, and Friday and Saturday focus on grading. For virtual grading, NCEES added two days to the beginning of the workshop to answer questions about the software and new grading process. Leadership then met on Wednesday for final preparations, and teams graded Thursday and Friday. NCEES held Saturday as an extra grading day in case it was needed, but all teams finished grading by Friday evening.

Gamble explained that grading virtually actually improved the grading process in many ways: "The human element is our limiting factor. Humans normally slow the process down; the computer was always ready to record a score and deliver the next examinee's question pamphlet, so efficiency was greatly improved."

*continued on page 2*



*NCEES Exam Development Engineer Jason Gamble, P.E., prepares for the virtual PE Structural grading workshop. While grading the exam's constructed-response, or essay, questions usually involves a team of structural engineers gathering at NCEES headquarters, COVID-19 required a virtual approach, with subject-matter experts meeting remotely to complete the task, using software developed by NCEES IT staff.*

The 86 structural engineers grading exams represented 28 states across five time zones. Together, they graded 4,771 question pamphlets between noon Thursday and 6:30 p.m. Friday. This total included 2,045 question pamphlets graded overnight while NCEES headquarters were closed. NCEES reported only one hour in which someone was not grading during a 24-hour period.

Gamble said that the most challenging part of virtual grading was communicating at a distance. “Because they aren’t here in person, we can’t direct them as easily,” he said. “This creates an extra challenge when people are using different equipment and web browsers.”

Gamble noted that the program the NCEES IT staff developed for scoring went a long way toward smoothing

### PE Structural exam virtual grading December 2020



- 86 structural engineers
- From 28 states and 5 time zones
- Graded 4,771 exams

some of the challenges: “I had faith in them, but you never know until you’re using it. The graders could grade faster and more efficiently, and now we have a purpose-built system that we can continue to use for grading the PE Structural exam in person or virtually.”

# NCEES moves to virtual zone interim meetings for 2021

THE NCEES BOARD OF DIRECTORS HAS CANCELED THE in-person zone interim meetings scheduled for April and May 2021. The decision, which was made in response to the COVID-19 pandemic, came after consultation with member board administrators and senior staff.

In a December 1 letter to member boards, NCEES President Christopher Knotts, P.E., explained the reason for the format change: “This is the only way we can protect the health and well-being of member board representatives and staff while ensuring that business is conducted in a way that includes all member boards.”

## Online presentations

One of the primary functions of the zone interim meetings is to help boards prepare for the August annual meeting, when they will vote on motions presented by standing committees and task forces. To assist with boards’ preparations for annual meeting voting, NCEES will present a series of podcasts, presentations, and virtual meetings as needed. These presentations, which are expected to be available online by April 1, will include reports from the committees and task forces.

## Virtual meetings

Another key function of zone interim meetings is to conduct zone-related business, including officer elections. For these activities, each zone will hold a virtual meeting. The meetings will include zone reports, forums, and live elections.

Zone vice presidents emailed calls for nominations to members of each zone in January. These notices are available for reference on the zone meeting section of [ncees.org](http://ncees.org).

Nominations from boards are due to the NCEES chief executive officer and the zone’s Nominating Committee chair 60 days prior to the meeting. Any delegate may also make nominations for an office from the floor during the meeting. Such nominations must still meet the requirements and be seconded by at least two boards.

Member boards will vote for elections at the zone interim meetings. NCEES will post any election-related materials supplied by candidates on the meeting information web pages so that member boards can prepare for voting during the zone interim meetings.

Live voting will be managed by Innovision, which also handles electronic voting at NCEES annual meetings. Boards will be asked to identify a single voting delegate before the meeting.

Zones are also planning opportunities for members to socialize and welcome new members in the days leading up to the meetings. NCEES staff are working with zone leadership to finalize plans for conducting these events. More information will be provided to member boards and posted on the MyNCEES/Member Resources section of [ncees.org](http://ncees.org) (see Zones under Board Resources).

## 2021 Zone Interim Meetings

	Elections	Nominations due	Interim meeting
<b>Southern Zone</b>	Vice president Assistant vice president	February 12	April 15
<b>Central Zone</b>	Secretary-treasurer	February 26	April 29
<b>Western Zone</b>	Secretary-treasurer	March 12	May 13
<b>Northeast Zone</b>	Vice president Assistant vice president Nominee for NCEES president-elect	March 19	May 20

*Additional online presentations will be held to address Council-wide agenda items ahead of the 2021 annual meeting.*

**LESLEY ROSIER-TABOR, P.E.**

WEST VIRGINIA STATE BOARD OF  
REGISTRATION FOR PROFESSIONAL  
ENGINEERS EXECUTIVE DIRECTOR

## Changing lanes and looking for new opportunities when facing pandemic roadblocks

IN RECENT YEARS, SCIENCE, TECHNOLOGY, engineering, and math (STEM) activities and competitions have become popular for children and teens to increase an interest in STEM careers. These events are particularly important for female, underrepresented, and underserved populations. When the COVID-19 virus began to spread across the world, the pandemic that followed threw a monkey wrench into many of those exciting and rewarding hands-on, in-person activities and competitions. As a parent, engineering volunteer, and coach, I experienced this disruption and disappointment myself.

During the spring of 2020, the Putnam Pink Ladies, an all-female robotics team of 8th graders from Hurricane Middle School in Putnam County, West Virginia, were in their fifth and final year of eligibility competing in *FIRST* Lego League, an annual international robotics competition that combines an intense robot game, a real-world research project, and a public speaking/teamwork challenge. After five years of stiff competition, these amazing young people took first place at the West Virginia state competition, finally attaining their ultimate goal of grand champions. The victory came with an invitation to the World Robotics Competition and Festival scheduled for May 2020. This is where the heartbreak comes in. In late March 2020, as a proud parent and coach of this team, I had to share the extremely disappointing news that the world competition had been canceled and their dreams of showing what this small-town team from Appalachia could accomplish were shattered.

### Changing lanes

We immediately shifted gears and prepared a letter to our faithful supporters, both personal and corporate donors (including NCEES), to share this news. Within a few weeks

If COVID-19 has taught us one thing, it is the importance of the critical work of engineers and surveyors in creating a world safe from pandemics, cyberattacks, and other global challenges.

of sending back the thousands of dollars in donations, several had contacted us asking us to keep the donations for the team.

After quick consultation between the coaches and parents, we decided to set up a scholarship account and began to secretly plan a celebratory STEM weekend in the team's honor. Little did we know it would be October 2020 before the team would gather together again for some face-to-face fun.

Thanks to NCEES, the NASA West Virginia Space Grant Consortium, and about a dozen generous personal donors, we were able to take a surprise day trip to Cincinnati, Ohio, with the team and their families to honor their hard work and accomplishments. Not only did they experience the iFly wind tunnel, a city Segway tour, and some delicious food, but the team also was presented with scholarship checks and TI-Nspire CX II color graphing calculators and accessories.

In the end, we now realize there was a bigger life lesson for them to take away: rise to the occasion and face tough situations with grace, understanding, compassion, and perseverance. As a team parent, coach, and engineering mentor, I am proud to have spent thousands of hours and five formidable years with these young people solving real-

world problems, building and programming robots, and growing confidence in young females to succeed in a STEM career.

### Looking for new opportunities

With DiscoverE Engineers Week 2021 upon us (February 21–27), COVID-19 has reduced our typical educational outreach and community service options, but many organizations still need our help. If you are unable to perform your usual EWeek volunteer efforts at local schools, museums, or science centers this year, remember that many national, state, and local organizations are actively seeking volunteers. While some of the volunteer opportunities are not engineering- or surveying-specific, using your talents and sharing your willingness to help out in these difficult times is more important than ever. Helping our communities in whatever capacity demonstrates to our neighbors that engineers and surveyors care about improving the lives of others. Below is just a sample of volunteering ideas for those who would like to make a difference.

- **Zoom STEM workshop.** Popular hands-on events take place annually during EWeek; however, the current pandemic has forced many to cancel in-person activities. A number of the hosts of these events are still planning to offer opportunities to teachers and families through virtual presentations. The spirit that sustains these events annually is still there, but the organizers likely need your help. As a substitute, can you volunteer to offer a one-hour online seminar and hands-on project using common household items? A popsicle-stick catapult, a DIY paper helicopter, or a make-your-own volcano are a few ideas. The DiscoverE website ([discoverE.org](http://discoverE.org)) is great resource if you are new to outreach. It provides advice on how to be an effective volunteer, including tips on virtual engagement. It also has more than 150 fun hands-on activities that you could introduce via Zoom and then follow up with a Q&A session about a day in the life of an engineer or surveyor.
- **Skype a Scientist.** With many students still out of the classroom due to COVID-19, you can help teachers with a unique online STEM curriculum opportunity by speaking to students via Skype. This program is not limited to laboratory scientists. It also includes engineers, social scientists, museum

and zoo professionals, and doctors. This is a global initiative, not limited to the United States, and there are options to speak to classes in many languages. Sign up to volunteer at [skypeascientist.com](http://skypeascientist.com).

- **American Red Cross.** This organization works to deliver vital relief and support to those in crisis as well as to help people like you to be prepared to respond in emergencies. The most urgent needs currently posted on the national Red Cross website are volunteers to support blood drives and shelter services.
- **Habitat for Humanity.** Known for coordinating volunteers to help build houses, this organization also needs people to assist with fundraising, advocacy, and education. Check with your local community office to determine its needs.
- **Feeding America.** In these difficult times, food pantries and meal-delivery programs are continuing to provide critical services across the United States. These services are particularly important amid the pandemic, when unemployment rates are high and many students are unable to attend school and receive hot meals. Contact your local food bank to ask how you and your family can help. Whether it be sorting donations, stocking shelves, or delivering meals, all help will be welcome.
- **Local community needs.** Consider connecting with your local health department, a local hospital, or the mayor's office to ask how you and your colleagues can best contribute your scientific and technical skills. It could be by answering phone calls for people with questions about COVID-19, volunteering to perform contact tracing, or putting together a spreadsheet to support local businesses. Many of these efforts can be performed remotely, making it possible to be a key volunteer from home.

If COVID-19 has taught us one thing, it is the importance of the critical work of engineers and surveyors in creating a world safe from pandemics, cyberattacks, and other global challenges. Our professional communities have always been the ones to rise to the challenge of making a difference in this world. May the turbulence of 2020 and the hope for a strong 2021 recovery bind us to each other now more than ever before.

Please consider doing what you can with the resources and time you have available, and encourage your colleagues to do the same. We are all better together. By helping others, we will get through this and emerge stronger than before.

## FROM THE PRESIDENT



**CHRISTOPHER KNOTTS, P.E.**  
NCEES PRESIDENT

# Virtual meetings keep NCEES moving forward

AS I WRITE THIS ARTICLE, THE WORLD CONTINUES to deal with the COVID-19 pandemic, but two vaccines have been approved for the United States and are being administered to select groups. As the current and future vaccines are administered, we get ever closer to returning to our normal way of conducting our life. Hopefully, that day is much sooner than later.

Recently, NCEES announced that due to the ongoing pandemic, all committee meetings would remain virtual at least through June 2021. While we were optimistic for a return to in-person meetings in early 2021, that was not feasible. However, all standing committees and task forces are conducting business and progressing on their charges.

Continuing on the theme of virtual meetings, we held the Board Presidents' Assembly on January 29. The BPA is held every other year and brings together member board presidents/chairs and administrators from across the country. It is a unique and productive coupling of two groups whose attendees form the backbone of all member boards.

While the ongoing pandemic required us to move the BPA to an online format, we did our best to ensure that this meeting was as productive as possible in the virtual setting.

Member board administrators met in the morning session to hear reports on the MBA Committee's charges for this year and to get updates on NCEES Member Services. Next, Chief Operating Officer Davy McDowell, P.E., led an optional orientation for attendees who wanted to learn more about the structure of our organization. The afternoon featured the Board Presidents' Assembly, where board presidents and MBAs heard the latest on the NCEES COVID-19 response as well as updates on exams, marketing and outreach, and advocacy and external engagement.

While I miss the opportunities that meeting in person provides, I am thankful that technology can help us continue to work together to fulfill the missions of NCEES and our individual member boards.

Because informal, impromptu conversations are a valuable part of in-person meetings, NCEES included networking opportunities at the beginning and end of the BPA. An optional Welcome Meetup was held the evening before the meeting, and we added another optional networking session after the BPA to continue discussing issues affecting our organization and our individual boards.

While I miss the opportunities that meeting in person provides, I am thankful that technology can help us continue to work together to fulfill the missions of NCEES and our individual member boards.

### **Calls for nominations**

In January, the zone vice presidents sent out calls for nominations for the elections to be held at zone interim meetings. I have two requests related to these elections.

First, I encourage those who are eligible to consider running for a zone or national office. It's a unique way to give back to your profession, and it's beneficial to you personally. (See the zone meeting article on page 3 for more information on nomination deadlines.) This has certainly been my personal experience through serving in elected leadership positions, volunteering on NCEES committees, and attending zone

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**BRUCE PITTS, P.L.S.**

OKLAHOMA STATE BOARD OF LICENSURE FOR  
PROFESSIONAL ENGINEERS AND LAND SURVEYORS  
SENIOR COMPLIANCE OFFICER

## New member orientation essential to understanding law enforcement guidelines

DOES YOUR BOARD INCLUDE A THOROUGH REVIEW of compliance and law enforcement responsibilities for its new members during orientation? Even though enforcement may be one of the least pleasant tasks of being on the board, effective training in that area is essential to a new member's understanding of the importance of being appointed a board member.

Board member participation in the law enforcement process varies greatly from jurisdiction to jurisdiction. It can range from almost no involvement to public outreach to approving disciplinary actions and, finally, to direct participation in investigations and even serving as a hearing officer. Regardless of what level of involvement is required of board members, a key element of orientation is to stress the importance of reading and having a working knowledge of all board laws and rules, particularly those that describe the investigation and enforcement process and the board members' role in that process. The following are key questions board members should understand:

- What constitutes a violation of the laws and rules?
- What does the complaint process involve?
- What are the roles of the members of the investigation committee?
- What is the board member's role in approving orders and imposing discipline?

This knowledge is vitally important when the board undergoes the rule-making process. Along with their statutory enforcement responsibility, board members are often called on in their role as experts on board matters and ethics to speak about enforcement to the legislature, the public, and licensees. Board speakers need a firm

Even though enforcement may be one of the least pleasant tasks of being on the board, effective training in that area is essential to a new member's understanding of the importance of being appointed a board member.

foundation of enforcement principles so that they can speak accurately and in suitable context that is relevant and meaningful to the audience.

A perfect complement to hearing about the board's commitment to enforcement from its member board associates, board attorney, and fellow board members is being informed in orientation about the enforcement resources available from NCEES. Member Resources on the NCEES website ([ncees.org/resources](https://ncees.org/resources)) has a section on law enforcement resources that contains links to publications that the Committee on Law Enforcement has created over the last 30 years. These publications include guidelines for step-by-step successful investigations, white papers discussing best practices for specific types of investigations, and *Licensure Exchange* articles covering a variety of enforcement topics. New members need to know about Enforcement Exchange, which is a nationwide, web-based database that allows NCEES member boards to enter disciplinary actions taken against violators and to review disciplinary actions posted by other jurisdictions.

NCEES also sponsors ethics classes and a topflight Law Enforcement Program at its annual meetings.

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## HEADQUARTERS UPDATE



**DAVID COX**

NCEES CHIEF EXECUTIVE OFFICER

# NCEES explores new avenues for surveying outreach

AS WE BEGIN A NEW YEAR IN THIS EVER-CHANGING environment, we remain constant and steady at NCEES with our initiatives. We have learned to adapt and modify many of the plans and procedures on which we typically rely. Our exams and meetings may look a bit different right now, but we continue to fully support and serve our member boards and customers.

Even in a time of great change and challenges, we have found ways to ramp up our strategic initiatives to continue to serve the needs of the professions that we support. In the August 2020 issue of *Licensure Exchange*, I shared that the promotion of surveying licensure and recruitment of the geomatics profession is a strategic initiative for NCEES. Over the last six months, we have been able to continue supporting efforts from other surveying organizations while also increasing our own surveying outreach efforts.

### Expanding outreach through SCORE

While NCEES has always contributed to the promotion of the surveying profession—with our involvement in activities such as the DiscoverE Future City competition, TrigStar, and Teaching with Spatial Technology (or TWiST)—we saw a need to expand our outreach efforts even more. In August 2020, we formally launched the SCORE initiative and hired a dedicated surveying marketing and outreach coordinator to promote the geomatics profession.

SCORE was created by a coalition of surveying organizations—including the National Society of Professional Surveyors (NSPS) and state surveying societies from Georgia, Maryland, North Carolina, Tennessee, and Virginia—to address recruitment in the geomatics profession, with an emphasis on increasing diversity. The NCEES board of directors supported this project and saw the need for this outreach not just on a regional level but on

Even in a time of great change and challenges, we have found ways to ramp up our strategic initiatives to continue to serve the needs of the professions that we support.

a national level as well. With that, the board approved funding for the SCORE initiative in August 2019, and we are developing a national marketing and outreach plan around this program.

Since August, we have begun to gain traction in promoting the value of surveying licensure. We've also been able to bring more awareness about the surveying profession to increase the number of people entering the geomatics field.

### Virtual activities

In a typical year, we would be attending many in-person events and career fairs to achieve these goals. However, because of the pandemic, most of our marketing and outreach efforts have been virtual.

We recently launched two initiatives to expand our virtual outreach. Through the online Engineering and Surveying Profiles and “Advance: An NCEES Podcast Series,” we feature energetic, compelling, and unique licensed engineers and surveyors and their stories. We publicize new profiles and podcast episodes on our social media channels—including Facebook, Twitter, and LinkedIn—and full details are available at [ncees.org/engineer-and-surveyor-profiles](https://ncees.org/engineer-and-surveyor-profiles) and [ncees.org/podcast](https://ncees.org/podcast).

We are participating in other organizations' podcasts as guests to talk about our surveying outreach efforts at NCEES,

diversity and recruitment, and how others can become involved in the promotion of the profession. We are partnering with surveying societies, like NSPS, and sharing relevant surveying content and stories over our social channels. We are also using social media and other virtual platforms to promote NCEES activities and initiatives, from exams to our Engineering and Surveying Education awards.

### Research for better insight

In November 2020, we launched a surveying and engineering research project with McKinley Advisors out of Washington, D.C. The project will help us uncover the types of resources, information, and initiatives that will ultimately raise awareness and boost workforce development numbers for both the surveying and engineering professions. It will include conducting objective, third-party qualitative and quantitative research to develop evidence-based recommendations that will help guide NCEES marketing and outreach efforts in 2021 and beyond.

While the COVID-19 pandemic has transformed how we live and work this past year, we remain hopeful for progression toward a positive resolution and a return to normal in 2021. We will continue to serve our member boards, professional engineers and surveyors,



*To further its virtual outreach, NCEES launched “Advance: An NCEES Podcast Series” in September 2020.*

and licensure candidates. We will also continue to promote the engineering and surveying professions and the value of licensure.

This new year can truly be the year of change. In order to bring more young talent and diversity to the surveying profession, I invite you to join us in helping to share the value of licensure and the benefits of a career in geomatics. Whether you are mentoring, speaking to K–12 or college students, participating in a career fair, or even sharing social media posts around the industry, NCEES can arm you with tools and activities for any occasion. To see growth and diversity, we all need to do our part to impact the surveying profession.

## ENFORCEMENT BEAT

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The program includes forums and training featuring current and relevant speakers and topics that are informative and entertaining for both law enforcement personnel and board members alike. This valuable information can then be applied to a board’s enforcement program for the benefit of licensees and the public.

When they are first appointed, most board members are usually known as leaders and persons of integrity and

ethical judgment. Effective new member orientation will enhance these qualities and be an excellent method for motivating and encouraging new members. By sharing their institutional knowledge and passion for the board mission with new members, existing board members will renew their commitment to enforcing board laws and rules and to keeping the board in its leadership role in dealing with the myriad of challenges facing the licensing of engineers and surveyors.

# NCEES publishes history book to celebrate centennial



*NCEES published the fourth edition of *The History of NCEES* in December 2020. The history, which covers the years 1920 to 2020, includes a new chapter focused on 2005 to 2020.*

NCEES released *The History of the National Council of Examiners for Engineering and Surveying 1920–2020* in December 2020. The publication covers the founding of the organization and the major milestones of the last 100 years. In addition, it features past leadership, historical events, and leadership reports from executive secretaries and presidents.

“The celebration of our founding and our efforts to advance licensure for the last 100 years looked different than what we had planned,” said NCEES Chief Executive Officer David Cox. “This publication details the organization’s accomplishments and lets us look forward to where we are heading as we move into the next century of licensure.”

Member board offices will receive copies of *The History of the National Council of Examiners for Engineering and Surveying 1920–2020* and the publication will be posted on the NCEES website soon.

## FROM THE PRESIDENT

*continued from page 6*

and annual meetings. The personal interaction with others, getting to know them, understanding their viewpoints—even when they differ from my own—and increasing my knowledge have all been major benefits. If you have questions or are interested in running for an office, talk to your member board administrator or chair.

Secondly, I encourage member boards to spend time reviewing the candidate information that will be posted on the zone meeting webpages after the nomination deadlines. While we

have developed an election process that will allow for live voting at the zone interim meetings, the virtual environment does not lend itself to getting to know the candidates or discussing issues with them. Therefore, it is all the more important that you take time to review the candidates’ materials that they provide so that your board can cast an informed vote.

Stay safe. I hope to see all of you in person soon.

# UPCOMING EVENTS

Currently scheduled events may change as NCEES continues to address the COVID-19 pandemic. All meetings will be conducted virtually unless otherwise noted.

## **FEBRUARY 4**

Law Enforcement Committee Meeting

## **FEBRUARY 8-9**

PE Agricultural and Biological Engineering Exam Meeting

## **FEBRUARY 10-12**

PE Structural Exam Meeting

## **FEBRUARY 11-12**

PE Industrial and Systems Exam Meeting

## **FEBRUARY 21-27**

DiscoverE Engineers Week

## **FEBRUARY 22-26**

PE Nuclear Exam Meeting

## **FEBRUARY 25-27**

PE Metallurgical and Materials Exam Meeting

## **FEBRUARY 26-27**

NCEES Board of Directors Meeting  
Greenville, South Carolina

## **MARCH 1-3**

PE Petroleum Exam Meeting

## **MARCH 3-4**

PE Fire Protection Exam Meeting

## **MARCH 5**

Participating Organizations Liaison Council Meeting

## **MARCH 8-12**

PE Naval Architecture and Marine Exam Meeting

## **MARCH 9-12**

PE Environmental Exam Meeting

## **MARCH 11**

Finance Committee Meeting

## **MARCH 11-13**

PE Control Systems Exam Meeting

## **MARCH 21-27**

National Surveyors Week

## **MARCH 23-27**

PE Mechanical Exam Meeting

## MEMBER BOARDS NEWS

### **Alaska**

Arpad (Bruce) Magyar is a new appointee. Erik Mulliken is no longer a member.

### **Kansas**

Brenee King is a new appointee.

### **Maine PE**

Clifton Greim is no longer a member.

### **Maryland PE**

Sandra Murphy is no longer a member.

### **Maryland PS**

Derrick McLaughlin is a new appointee. John Jensen is no longer a member.

### **Missouri**

Stephen Bubanovich and Amy Strauss are new appointees. Abiodun (Abe) Adewale and Craig Lucas are no longer members.

### **North Dakota**

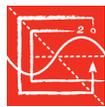
Roger Kluck is no longer a member.

### **Rhode Island PS**

Virginia Porter is now the member board administrator for the Rhode Island surveying board, replacing Jovonna Bennett. Porter is also the MBA for the Rhode Island engineering board.

### **Wisconsin**

Adam Barr is now member board administrator, replacing Carl Hampton.



**Christopher Knotts, P.E.**  
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Louisiana

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*President-Elect*  
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Rhode Island

**Timothy Lingerfelt, P.L.S.**  
*Southern Zone Vice President*  
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*Western Zone Vice President*  
Utah

**David Cox**  
*Chief Executive Officer*  
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## Licensure

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## NCEES Engineer and Surveyor Profiles put faces to the professions

NCEES recently launched Engineering and Surveyor Profiles to further its virtual outreach. In this ongoing series of profiles, NCEES explores the benefits of licensure and how professional engineers and professional surveyors are working on a daily basis to safeguard the health, safety, and welfare of the public.

Recent profiles include professional engineers and surveyors discussing the importance of diversity in engineering and surveying, public protection from earthquakes, and the role of engineering during a pandemic.

The profiles are featured on NCEES social media channels and posted at [ncees.org/engineer-and-surveyor-profiles](https://ncees.org/engineer-and-surveyor-profiles). To submit ideas for future professional engineers and surveyors to profile, email [outreach@ncees.org](mailto:outreach@ncees.org).



*United States Army Corps of Engineers  
District Land Surveyor Amanda Allred, P.L.S.,  
is one of the professionals featured in NCEES'  
new Engineer and Surveyor Profiles series.  
In her profile, she discusses mentoring and  
diversity within the surveying profession as  
well as the value of professional licensure.*