

An official NCEES publication for the exchange of information, opinions, and ideas regarding the licensure of engineers and surveyors

## NCEES promotes surveying at DiscoverE Future City Competition

AS PART OF ITS EFFORTS TO introduce K–12 students to the surveying profession, NCEES participated in the recent DiscoverE Future City Competition.

NCEES sponsored the Best Land Surveying Practices special award for the Future City Competition at both the regional and national levels. Future City challenges middle-school teams to design and build cities of the future. All competitions were held virtually in response to COVID-19 concerns.

NCEES volunteers served as judges for the special award. Twenty-seven surveyors participated as NCEES special award judges for 2022 at regional competitions in January. Two NCEES volunteers also judged the national award at the finals on February 12: Scott Bishop, P.S., and Bradley Roberts, P.L.S.

By offering this special award at the finals and 30 regional competitions this year, NCEES helped more than 40,000 students learn how surveying is critical to their communities now and in the future.

NCEES has sponsored this award at the national level since 2004 and at the regional level since 2013.



*Richard H. O'Rourke Middle School in New York took home the 2022 Best Land Surveying Practices special award for the national Future City finals. NCEES outreach volunteer Scott Bishop, P.S., announced the national winner of the NCEES-sponsored special award at a virtual presentation on March 23.*

In participating as a judge for many of these awards, Bishop has seen first-hand how Future City inspires students: “This competition gives students an outlet to dream up and create ways to make the world a better place,” he said. “They take that inspiration and come up with inventive, well-considered solutions.”

National winners were announced at a virtual ceremony on March 23. Richard H. O'Rourke Middle School in New York won the national Best Land Surveying Practices special award for 2022. Warwick Middle School in Pennsylvania took the overall grand prize for Future City 2022, which focused on the theme Designing a Waste Free City.

# ENFORCEMENT BEAT



**JOHN GREENHALGE**

OHIO STATE BOARD OF REGISTRATION  
FOR PROFESSIONAL ENGINEERS AND  
SURVEYORS EXECUTIVE DIRECTOR

## The case for firm certificates of authorization

ONE MAY WONDER WHY WE REQUIRE CERTIFICATES OF authorization for engineering and surveying firms that offer services to the public since we already require a license for the professional engineers and professional surveyors who perform that work for the public.

Contrary to the popular opinion from anti-regulatory groups, the purpose of firm certificates of authorization is strictly for public protection and not a desire by government to over-regulate or generate additional revenue.

P.E. and P.S. licenses ensure that individuals are minimally qualified to perform engineering or surveying in a manner that protects the public. These qualifications focus on demonstrating through education, experience, and examination that an individual is competent to be placed in responsible charge of engineering or surveying projects and can perform the work in a safe and ethical manner.

In the same vein, we must ensure that firms are operating in a way that protects the public and performing services safely and ethically. Adopting the NCEES *Model Law* provisions regarding requirements for firm certificates of authorization helps ensure that the public is well protected in a jurisdiction.

### Certificate of authorization

*Model Law* Section 160 addresses firm certificates of authorization. It provides that a firm that practices or offers to practice engineering or surveying must obtain a certificate of authorization by the board in accordance with the rules.

### Managing agent

*Model Law* also provides that each firm must appoint a managing agent whose duties include

- Assuming responsibility for the engineering or surveying work and projects in the jurisdiction offered or provided by the firm

Ohio has worked hard to establish requirements that protect the public but also are not overly burdensome for Ohio's professional engineers and surveyors.

- Renewing the firm's certificate of authorization and notification to the board of any change in managing agent
- Providing overall administrative supervision of the firm's licensed and subordinate personnel providing the engineering or surveying work in the jurisdiction
- Instituting and adhering to firm policies that are in accordance with the Rules of Professional Conduct

### Resident professional

*Model Law* also calls for firms to appoint a resident professional who is a professional engineer or professional surveyor to be in responsible charge of the practice of engineering or surveying, as applicable, in each branch office in which engineering or surveying services are offered or provided.

The resident professional must

- Spend the majority of normal business hours at the particular branch office
- Maintain responsible charge for only one branch office at a time
- Be licensed in the jurisdiction in which the branch office is located

The job of the resident professional and managing agent is to ensure that the firm and its branch offices are providing services safely, ethically, and in accordance with the law.

### Guidance for state regulation

Ohio has had some form of firm certification of authorization for more than 50 years. In that time, Ohio law has been modified to adjust to changes in law and in the business environment.

Ohio has worked hard to establish requirements that protect the public but also are not overly burdensome for Ohio's professional engineers and surveyors. By modifying Ohio law to more closely mirror *Model Law* guidance for firm certificates of authorization and resident

professionals, Ohio has been able to more effectively regulate engineering and surveying work performed by firms and better protect the public from unethical or incompetent practice.

Requiring engineering and surveying firms to hold a certificate of authorization ensures that each firm that is offering and providing engineering and surveying services to the public has a professional engineer or

*continued on page 5*

## NCEES continues State of the Council series

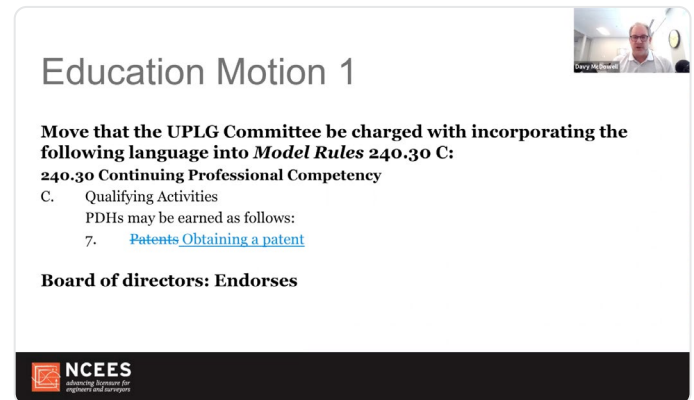
NCEES IS RESUMING ITS STATE OF THE COUNCIL meetings in 2022 to share updates on initiatives and events. Originally introduced in March 2021, the virtual series is returning this year as part of the organization's efforts to keep member licensing boards informed, help them prepare for the annual meeting, and provide a forum for questions.

Presentations will be held monthly in the run-up to the annual meeting in August. They are open to member board members, associate members, emeritus members, and administrators, as well as NCEES past presidents.

### April and May updates

The first State of the Council meeting will be held April 13 from 2:00 to 3:00 EDT. Chief Executive Officer David Cox will provide a preview of the upcoming zone interim meetings as well as general headquarters updates. NCEES staff will also provide an exam report, including year-to-date exam volumes and an outline of plans to transition the PE Structural exam to computer-based testing.

The second update is scheduled for May 11. This installment will focus on discussions and actions taken at the first two zone interim meetings. The meeting will also include an overview of the work that NCEES committees and task forces have completed and how their reports should be used in preparation for the annual meeting business sessions. Also on the agenda is a financial update, including information from the Committee on Finances related to its charge to review exam fees.



The screenshot shows a virtual meeting interface. At the top right is a small video feed of Davy McDowell. The main title is "Education Motion 1". Below the title is a bolded text: "Move that the UPLG Committee be charged with incorporating the following language into *Model Rules* 240.30 C: 240.30 Continuing Professional Competency". Underneath, it lists "C. Qualifying Activities" and "PDHs may be earned as follows:" followed by a numbered list item "7. Patents Obtaining a patent". Below this is the text "Board of directors: Endorses". At the bottom left is the NCEES logo with the tagline "Advancing Systems for Engineers and Surveyors".

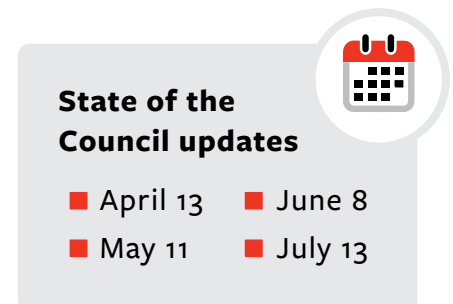
*Chief Operating Officer Davy McDowell, P.E., reviews Committee on Education motions in advance of the annual meeting during a 2021 State of the Council presentation. The virtual series is returning in 2022 to keep member boards informed, help them prepare for the annual meeting, and provide a forum for questions.*

### Future updates

The final meetings on June 8 and July 13 will focus on topics of importance as the Council prepares for the annual meeting as well as updates on NCEES initiatives.

### Recordings

State of the Council recordings will be posted in the Board Resources section of MyNCEES ([ncees.org/resources](https://ncees.org/resources)).



The graphic features a calendar icon at the top right. Below it, the text reads "State of the Council updates". Underneath, there are four red square icons followed by the dates: "April 13", "June 8", "May 11", and "July 13".

## MEMBER BOARD BRIEF



**DONNA SENTELL**

LOUISIANA PROFESSIONAL ENGINEERING  
AND LAND SURVEYING BOARD EXECUTIVE  
DIRECTOR

# Two years in: Lessons learned and positive takeaways from COVID-19

IT'S HARD TO BELIEVE WE HAVE BEEN DEALING WITH issues related to COVID-19 for two years. In March 2020, when so many of us shut down our offices and set up staff to work remotely, no one thought that routine would last more than a few weeks.

Many of us had hoped to resume a more normal routine at the beginning of 2022. Member board administrators (MBAs) were invited to attend our biennial gathering at the new NCEES headquarters in Greenville, only to have the omicron variant force the cancellation of our in-person gathering. Although there are still many uncertainties with COVID, there is a glimmer of hope as plans are being made for actual face-to-face zone interim meetings this spring.

### Resiliency and adaptability

One thing is certain: MBAs across the country are amazing and continue to respond to the global pandemic by ensuring that their offices are operational and personnel are providing necessary services to our licensees, applicants, and the public.

For the past two years, MBAs have shown a resiliency and ability to manage the remote work of staff or to operate our offices with a limited staff. We have juggled schedules, staff members, and dates. We have organized board meetings and outreach opportunities via Zoom. We have said goodbye to staff and board members and welcomed new people to our offices and boards over phone calls and Zoom sessions. We continue to follow the directives from our boards and our local governments, which sometimes are not in sync, on a variety of issues. These include—but by no means are limited to—the size of gatherings, mask mandates or no mask mandates, vaccinations, and travel restrictions.

**Can you imagine remote work without the ability to email and transmit documents and fees electronically?**

As we continue to do our best at the job we were hired to do, it seems wise to focus on some of the lessons learned and positive aspects from this once-in-a-lifetime event.

### Lessons learned

Had we known that we would be dealing with the continued uncertainties of a global pandemic for two years, we would have implemented remote work schedules long before the crisis forced us to do so. Not all of our work has to be done between the hours of 9:00 a.m. and 5:00 p.m., and we can be so much more productive when we are open to more non-traditional work schedules.

Our last real in-person NCEES meeting, one in which many people from every jurisdiction traveled, was the August 2019 annual meeting in Washington, D.C. Had we known what was coming, we would have all lingered a bit longer, visited a few more historic sites, attended one more workshop as we enjoyed the company and camaraderie of our friends and colleagues from around the country.

We are being told COVID-19 is not going away and will one day become endemic or a regional and seasonal virus. I'm positive that this day will come and hopeful that it will be soon. I'm positive that no matter how long it takes, MBAs will continue to be creative and flexible to ensure that their board offices are operational and responsive to the public.



*Virtual meetings—including the 2021 zone interim meetings—have allowed NCEES member board members and staff to continue to meet together during the COVID-19 pandemic. The meetings provide opportunities to learn about NCEES initiatives and share ideas with other boards.*

Now we know that even with all that has changed, we want very much to return to meeting face-to-face, traveling, networking, and engaging with friends and colleagues from around the country.

### The positive side

Living in an electronic age has made muddling through these past two years possible. The incredible NCEES staff and the tools we have access to through the NCEES website

## ENFORCEMENT BEAT

*continued from page 3*

professional surveyor who is responsible for overseeing engineering or surveying activities and decisions for the firm so that the firm operates in accordance with the licensure act and is guided by the same ethical standards as the individual engineer and surveyor.

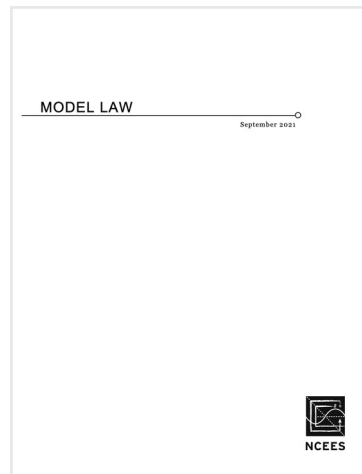
By extension, requiring a certificate of authorization ensures that engineering and surveying firms are performing services for the public under the same requirement as engineers and surveyors who swear to perform their duties in a manner that safeguards the public health, safety, and welfare and are obligated to prevent and report suspected violations of the licensure laws.

and the E3 customer management system have allowed us to be efficient and productive in the work we must do to keep our offices running. E3 allows us to access an individual's Record, which includes transcripts, verification of exams and licensure, experience records, personal references, and credentials evaluations, as well as enforcement and disciplinary documents. Can you imagine remote work without the ability to email and transmit documents and fees electronically? Most individual state offices are set up to receive applications and renewals online.

Zoom sessions are exhausting, but I suspect that this meeting format has become such a part of our day-to-day activities that we will always have meetings and gatherings held in this manner. Zoom and online professional development course offerings will become the norm rather than the exception, providing ample opportunities for licensees to meet the continuing education requirements.

As we keep adjusting and moving forward, we will continue to heed the directives from our boards and local governments in hopes that we can help ensure the health, safety, and welfare of the people we serve.

*Sentell is executive director of the Louisiana board and chair of the 2021–22 NCEES Committee on Member Board Administrators.*



*NCEES Model Law Section 160 provides guidance on firm certificates of authorization for its member licensing boards. Reflecting best practices as determined by member boards, the publication is a model for state practice legislation.*

Firms must be held to the same ethical and technical standards as the professional engineers and surveyors who perform these services. By adopting *Model Law* provisions regarding firm certificates of authorization, member boards can better ensure public protection.

*Greenhalge is executive director of the Ohio board and a member of the 2021–22 NCEES Committee on Law Enforcement.*



**DAVID COX**  
NCEES CHIEF EXECUTIVE OFFICER

## A new chapter for exam development

JASON GAMBLE, P.E., IS NOW ABOUT HALFWAY through his first year of serving as NCEES chief officer of examinations. It seemed a good time to take stock of where we are and where we're going, so Jason and I recently discussed some challenges for NCEES exam development and what's on the horizon for the program.

### Opportunities from adversity

No discussion of recent challenges ignores the COVID-19 pandemic, and NCEES exams certainly faced its own.

But Jason also pointed out that while the pandemic brought an unprecedented set of obstacles, some of the solutions that NCEES devised have turned out to be beneficial for examinees and the exam development program.

With in-person meetings not possible, we had to quickly shift from face-to-face grading sessions for the constructed-response, or essay, portion of the PE Structural exam, which meant a new way of grading had to be implemented. In 2020, IT staff, along with the exam development team, developed an online grading application to allow subject-matter grading teams to grade these solution pamphlets virtually.

Jason explained, "This system—created because of the pandemic—can now be used virtually or in-person at NCEES headquarters."

As part of our efforts to ease COVID-related disruptions for examinees, NCEES compressed the PE Civil exam transition to computer-based testing (CBT) and moved it up one year to January 2022 instead of April 2023. This means that with the exception of the PE Structural exam, the last pencil-and-paper administration was in October 2021.



*Jason Gamble, P.E., stepped into the role of chief officer of examinations in August 2021. He previously served as an NCEES exam development engineer, managing four PE exams.*

The collaboration of our dedicated exam volunteers is a cornerstone of our success, and our exam development volunteers shifted gears quickly from their ordinary ideas about collaboration to respond to the pandemic. For two years, they could not meet in person. We've all been anxious for a return to in-person meetings, but we'll be keeping some of what we learned when travel was difficult to impossible—incorporating a mix of in-person and virtual meetings.

"The positives are that new people are getting involved in exam development committee meetings because the

We've all been anxious for a return to in-person meetings, but we'll be keeping some of what we learned when travel was difficult to impossible—incorporating a mix of in-person and virtual meetings.

virtual format allows more flexibility in their schedules,” Jason noted. “There will be a balance of virtual and in-person meetings as we move forward. I'd like to see us continue to preserve the bonds and working relationships that have been built by our in-person collaboration.”

#### Meeting the challenge for PE Structural

The conversion of exams from pencil-and-paper format to CBT continues to be in the forefront for exam development's present and future. With all other exams now successfully converted, the PE Structural exam will be the last conversion for Jason and his team. The last pencil-and-paper administration is set for October 2023, with CBT exams beginning in 2024.

Jason explained some of the unique challenges for converting the PE Structural exam.

“It's because of how different it is to all of the other exams. The multiple-choice portion of the exam will transition like the other PE exams, but the constructed-response portion has to be reimagined,” he said. “We've now started the development of the new depth portion of the exam to replace the constructed-response portion.”

Comparative psychometric costs have yet to be evaluated. The current cost to manually grade the constructed-response section is approximately \$300,000 per year. This will no longer be required when the SE exam transitions to CBT. The NCEES Committee on Finances will be charged with evaluating and proposing a new fee to be charged for each section. And then the Council has to approve the new fees.

#### Full circle

In closing, I asked Jason about his journey from taking the FE and PE to directing their development and administration. He said,

Almost 30 years ago, a gentleman named Earl Herndon stood before my engineering class on Clemson University's campus and told us that in order to be a professional engineer, you have to be licensed. He gave me his card and told me to contact him if I had any questions. I made the decision right then to be a professional engineer. When I was hired by NCEES, I couldn't believe how full circle my life had come. Not only was I a professional engineer, but I was also now working for the very organization that lit the fire inside of me to become one. There are not many people that have held the chief officer of examinations position, and I strive to do my very best for the organization, the people we serve, and the professions.



*For almost three decades, NCEES Chief Officer of Examinations Jason Gamble, P.E., has kept a memento of a pivotal encounter at a university licensure presentation. He was not only inspired to take the FE and PE exams to become a professional engineer—he now directs the exams' development and administration for NCEES.*

## FROM THE PRESIDENT



**BRIAN ROBERTSON, P.E.**  
NCEES PRESIDENT

# Council's ambitious projects need full participation for success

SPRING HAS ARRIVED HERE IN COLORADO, AND I AM reminded of the influence that this season of change had on me a year ago when I came up with the three “big swing” challenges for NCEES, especially the spring-cleaning review of all our policies, position statements, and white papers. The changing of the season is also what inspired me to encourage a clear recommendation for the Principles and Practice of Surveying exam format and to continue the work to envision the future of the engineering licensure model.

### Major initiatives for 2021–22

Most of you have heard about these big swings that I put before the Council this year. Some of you volunteered for the committees and task force that worked on each of them over the past several months. Those committee and task force members have done excellent work on Basecamp (our project management system), during their personal time, and at in-person and virtual meetings to come up with their reports. They are preparing the presentations for member boards to see at the upcoming zone interim meetings in April and May.

### Member board engagement

When I created these big swing challenges, they were intended for the entire Council, not just the fraction who are assigned to those committees and task force.

Those folks certainly have done amazing work and have had some lively conversations in preparing their recommendations for member board review and discussion.

And now, member boards, it's your turn.

**These are not small tasks. They are significant challenges, and they each deserve a full and open discussion in the zone meetings.**

Please read the committee reports and discuss them with your fellow board members and staff ahead of the zone meetings. If your entire board will be attending, so much the better; if your board is only sending a delegate or two, please prepare them to represent your board's thoughts, concerns, and positions.

These zone meeting discussions will be the final opportunity to provide input to the committees before they prepare their final recommendations for motions and votes at the annual meeting.

If your board supports the recommendations, be prepared to explain why. If opposed, please come with reasons for the opposition and potential alternative solutions. Be prepared for lively debates, and do not be surprised if the committee has already considered your alternative ideas and moved forward with their recommendations instead.

Most importantly, come with an open mind so that we can maintain civil discourse and consideration that there are many ways to approach these important topics. I cannot compliment the committee members enough for the level of dedication and professionalism they brought to the



meetings already and humbly ask that each of you continue in that same vein.

### Input for board of directors recommendations

At the conclusion of the Western Zone interim meeting, the board of directors will meet to discuss each of the motions to be presented to Council. We will have heard the discussions at all three zone meetings and will take those into consideration in preparing our positions for the annual meeting—whether we endorse, do not endorse, or take no position on them. It is through your debates at the zone meetings that we will hear the general feeling of the Council, so please do not hesitate to contribute and do not wait and have sidebar discussions after the fact. These are not small tasks. They are significant challenges, and they each deserve a full and open discussion in the zone meetings.

I look forward to meeting you at the zone meetings in a few weeks and thank you for taking your role in these discussions as seriously as the committee members have all year.



*Members of the Committee on Education work on their 2021–22 charges at NCEES headquarters in Greenville, South Carolina. The committee assignments included a charge to review two white papers and 15 position statements as part of a wider review of NCEES policies and publications.*

*Robertson is 2021–22 NCEES president and an emeritus member of the Colorado State Board of Licensure for Architects, Professional Engineers, and Professional Land Surveyors.*

## EXAM NEWS

### PS exam PAKS survey

[ncees.org/PSPAKS](https://ncees.org/PSPAKS)

Open until May 30



NCEES IS currently seeking licensed professional surveyors and

mapping scientists to participate in a professional activities and knowledge study, or PAKS, for the Principles and Practice of Surveying (PS) exam. The results of this study will be used to update the specifications for the exam, which is used throughout the United States for licensing purposes.

NCEES requires a cross section of licensed professional surveyors and mapping scientists—including those working in consulting, the public sector, and academia—to complete an online questionnaire about the knowledge, skills, and abilities required of a newly licensed surveyor or mapping

## NCEES seeks professional surveyors' and mapping scientists' expertise and advice

scientist to practice in a manner that safeguards the health, safety, and welfare of the public. The questionnaire can be completed in 35–45 minutes.

“These studies help NCEES ensure its licensing exams reflect current professional practice,” explained Chief Officer of Examinations Jason J. Gamble, P.E. “We need input from as many professional surveyors and mapping scientists as possible to ensure that the PS exam continues to meet the demands of the profession.”

For access to the online questionnaire, visit [ncees.org/PSPAKS](https://ncees.org/PSPAKS). Responses must be received no later than May 30, 2022. For more information, contact NCEES Exam Development Engineer John (Andy) Bindewald, P.E., at [abindewald@ncees.org](mailto:abindewald@ncees.org).

The following are recent and upcoming NCEES outreach activities to promote engineering and surveying licensure. For the latest outreach news, follow NCEES on Facebook, Twitter, and LinkedIn. Visit [ncees.org](https://ncees.org) for links to its social media pages.

### Clemson University ASCE Student Chapter Licensure Presentation | March 15

NCEES Exam Development Engineer Don Colman, P.E., gave a presentation on the benefits and path to licensure at a student chapter meeting of the American Society of Civil Engineers in Clemson, South Carolina.

### NSBE Annual Convention | March 23–27

Staff at the NCEES booth for the virtual National Society of Black Engineers convention will promote licensure and answer questions about the FE and PE exams.

### iMAGINE Upstate STEAM Festival | April 2

NCEES is a sponsor for the 2022 iMAGINE Upstate STEAM Festival in Greenville, South Carolina. Staff will lead a hands-on activity—X Marks the Spot—to promote surveying to children and their families.

## New NCEES initiative explains why engineering and surveying licensure matters

NCEES HAS CREATED A NEW WEBPAGE AND VIDEO explaining how professional licensure protects the public and why weakening or eliminating licensure standards for engineers and surveyors will put the public at an increased level of safety risk.

The webpage and video are at [ncees.org/value-of-licensure](https://ncees.org/value-of-licensure).

NCEES will promote the new webpage via its social media channels and through an advertising campaign in the coming months.

### SAME Joint Engineering Training Conference | May 10–12

Staff will be on-hand at the NCEES booth to answer questions about the value of licensure at the Society of American Military Engineers conference in Aurora, Colorado.

### Advance podcast

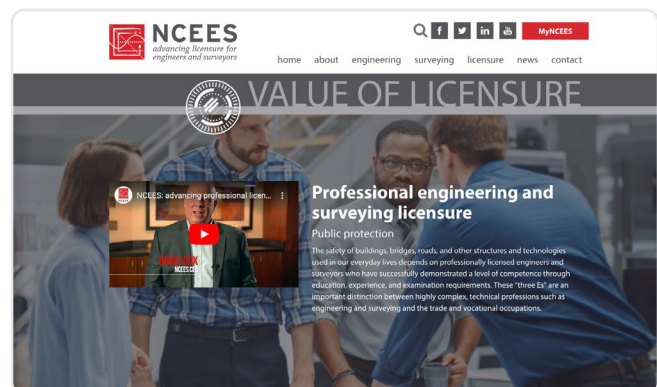
In the April episode of *Advance: An NCEES Podcast Series*, Jason Gamble, P.E., NCEES Chief Officer of Examinations, discusses recent exam-related topics and provides important updates on the PE Structural exam. Episodes are posted at [ncees.org/podcast](https://ncees.org/podcast).



### P.E. and P.S. Profiles

In the April NCEES profile, Randy Zerr, P.E., P.S., discusses his work as a county engineer in Iowa, the importance of professional licensure on his career, and the role of the NCEES Records program in his becoming dual licensed in multiple states. Profiles are posted at

[ncees.org/engineer-profiles](https://ncees.org/engineer-profiles) and [ncees.org/surveyor-profiles](https://ncees.org/surveyor-profiles).



A new NCEES webpage explains professional licensure's role in public protection. The webpage will be promoted through social media and an advertising campaign.

$$2\rho p v_c = \rho \frac{\pi D_B^2}{4} v_B^2 - \rho \frac{\pi D_c^2}{4} v_c^2$$

## UPCOMING

# EVENTS

### APRIL 1-2

FE Exam Meeting  
Greenville, South Carolina

### APRIL 7-9

PE Structural Exam Meeting  
Greenville, South Carolina

### APRIL 21-22

PE Structural Exam Administration

### APRIL 21-23

Central/Southern Zone  
Joint Interim Meeting  
Oklahoma City, Oklahoma

### APRIL 22-23

PE Civil Meeting  
Greenville, South Carolina

### APRIL 28-30

Northeast Zone Interim Meeting  
Newport, Rhode Island

### MAY 13-14

PE Architectural Exam Meeting  
and PE Chemical Exam Meeting  
Greenville, South Carolina

### MAY 19-21

Western Zone Interim Meeting  
Stateline, Nevada

### MAY 22-23

Board of Directors Meeting  
Stateline, Nevada

## MEMBER BOARD NEWS

**Alaska** Alaska Brent Cole and Sterling Strait are new appointees. Jennifer Anderson is no longer a member.

**Delaware PE** Vincent Fazio is a new appointee. Michael Siwek is no longer a member.

**Hawaii** Tony Lau is a new appointee. Richard Suzuki is no longer a member.

**Florida PE** Emeritus member Charles Langbein Jr. passed away November 21, 2021, at the age of 91. He was a past board chair and vice chair. He was a long-serving member and consultant of NCEES' EPE Committee and a dedicated volunteer for the PE Mechanical exam. He received the NCEES Distinguished Service Award in 2001 in recognition of his contributions to the organization and the engineering profession.

**Maryland PE** Edward Hubner is a new appointee. Steven Arndt is no longer a member.

**Massachusetts** Eric Funk is now the interim board administrator, replacing Matthew Keigan.

**Montana** Emeritus member J.G. Shockley passed away in 2020. His contributions to NCEES include serving as a member and consultant for the Law Enforcement and UPLG committees.

**New Hampshire PE** Carmela Amato-Wierda is a new appointee. Ron Cook is no longer a member.

**New Mexico** Ahmed Elaksher is a new appointee. Paul Brasher is no longer a member.

**Oklahoma** Emeritus member William McVey Jr. passed away September 3, 2021, at the age of 74. His contributions to NCEES include serving as a member of the UPLG Committee.

**Rhode Island PE and PS** Dawne Broadfield is now administrator for both boards, replacing Jovonna Bennet.

**Tennessee PS** Gary Clark is a new appointee.

**Associate** The NCEES board of directors approved the following associate members at its February 2022 meeting. **Arizona:** Kurt Winter; **Mississippi:** Kim Turner; **West Virginia PE:** Edward Eagloski

**Emeritus** The NCEES board of directors approved the following emeritus members at its February 2022 meeting. **Alaska:** Colin Maynard; **Idaho:** Dusty Obermayer, John Elle; **Texas:** Lamberto Ballf

## In remembrance of Past President Warren Fisk

NCEES PAST PRESIDENT WARREN Fisk, P.E., L.S., passed away March 2, 2022, at the age of 83.

Fisk was the 1995-96 president of NCEES and the 1992-94 Central Zone vice president. His service on NCEES committees and task forces spanned almost 20 years and included chairing the Committee on Examinations for Professional Surveyors and the Committee on Awards.

He was an emeritus member of the South Dakota Board of Technical Professions, having served as a member from 1985 to 2005.

In recognition of his contributions to the engineering and surveying professions, Fisk received the NCEES Distinguished Service Award in 1998.



Brian Robertson, P.E.  
*President*  
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Rhode Island

Christopher Knotts, P.E.  
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*Treasurer*  
Massachusetts

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*Central Zone Vice President*  
Michigan

Thomas Orisich, P.L.S.  
*Northeast Zone Vice President*  
Maryland

Andrew Zoutewelle, P.L.S.  
*Southern Zone Vice President*  
North Carolina

Scott Bishop, P.S.  
*Western Zone Vice President*  
Utah

David Cox  
*Chief Executive Officer*  
South Carolina

## Licensure EXCHANGE

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Examiners for Engineering and Surveying*

Comments or questions can be directed to  
[editor@ncees.org](mailto:editor@ncees.org).

**David Cox, CEO and Publisher**

**Nina Norris, Chief  
Communications Officer**

**Jennifer Williams, Senior Editor**

**Katy Goforth, Senior  
Communications Specialist**

**Brittany Wilson, Graphic Designer**

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NCEES, its board of directors, or staff.



## NCEES annual report and Squared now available



*The 2021 NCEES  
annual report explores  
the organization's  
accomplishments and  
growth over the last  
fiscal year. The annual  
report and Squared  
are posted at  
[ncees.org/annualreport](https://ncees.org/annualreport).*

NCEES released two publications in February to tell the story of 2020–21.

The 2021 annual report provides an overview of the organization's accomplishments and growth over the past fiscal year. It focuses on NCEES efforts to meet the challenges and opportunities of a new century of licensure.

NCEES has also released a new edition of *Squared*. This publication tells the story of 2020–21 through numbers: How many people took the PE exam? What are the top 10 countries for Credentials Evaluations? With statistics related to NCEES exams, services such as the Records program, and engineering and surveying licensure, *Squared* focuses on answering these questions and more.

Explore the annual report and *Squared* online at [ncees.org/annualreport](https://ncees.org/annualreport).