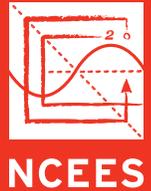


# Licensure EXCHANGE

DECEMBER 2021  
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## LESLEY ROSIER-TABOR, P.E.

WEST VIRGINIA STATE BOARD  
OF REGISTRATION FOR  
PROFESSIONAL ENGINEERS  
EXECUTIVE DIRECTOR



### MEMBER BOARD BRIEF

## Ask for help in tumultuous and turbulent times

FROM THE PANDEMIC TO THE RESULTING economic implications to unprecedented humanitarian emergencies, we have all lived through tumultuous and turbulent times in the last two years. No matter where we turn, it's been one rough time for folks around the world. We are a resilient people, and there is no doubt that we will survive and ultimately thrive in the face of adversity. But sometimes it's tough—real tough—and often we have to call on our friends, colleagues, and support systems to join forces to rise above and face the adversity head on.

As professionals, we are continuing to go to work each day to perform the important duties set by our state legislatures to protect the health, safety, and welfare of the public. But, goodness, that has been a battle

in recent months, given what is occurring during many of our state legislative sessions. The nationwide trend of occupational licensure reform reached the doorsteps of many of our legislative chambers this year. The bills quickly gained momentum from many of the state legislative bodies and overwhelming support of the U.S. Chamber of Commerce, which often led to the bipartisan push from the legislature to create a quick-fix remedy for post-pandemic economic disruptions. Many of these occupational reform bills lump our professions with other occupations and create more headaches and concerns than viable alternate pathways. In West Virginia, the legislative committee meetings where the draft bills were presented were a tense environment for all involved. Participants from both sides were hindered by COVID-19 restrictions and access to the capitol complex, and we were unable to have typical face-to-face meetings with legislators, which made it extremely difficult to convey the urgent concerns and implications our learned professions would be facing should the bill or bills pass in their introduced form.

But during these times, it is important to remember we have resources to draw from. We have experiences that will help us to better light the path before us, and we have a support system to lean on when we are in uncharted waters. To ensure my board's concerns were heard, we worked with the Alliance for Responsible Professional Licensing (ARPL), our state societies, and national organization representatives. This became thrice-weekly Zoom meetings to share information, strategize testimony, and leverage our relationships to reach the legislature via constituent letters, emails, and personal contacts. The legislature

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## FROM THE PRESIDENT



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

# Protecting the public is a unifying cause for member boards and NCEES

WHILE THIS ARTICLE IS PUBLISHED IN DECEMBER, I write it while contemplating the half-full bowl of candy not claimed by the neighborhood costumed kids. As such, much of the effort towards our four big tasks—the spring-cleaning review of policies and positions, the professional surveyor exam divisions, the engineering licensure model, and the mobility challenge—are just getting started. I am pleased with the discussions already underway on our committees and by NCEES staff towards addressing our ambitious charges for the year. Most committees have already met at least once, and I am preparing for our first board of directors meeting next week. So, with little tangible progress to update, I want to take this opportunity to comment on another aspect of this Council that is important to me.

A popular team-building component of my office's weekly staff meetings is a quick question to discuss. Sometimes it is along the lines of "Describe your favorite vacation" or "If you could have any superpower, what would it be and why?" Other weeks it sparks more debate, like "Is cereal with milk a soup?" (Type "soup-salad-sandwich space" and "salad theory" into your favorite search engine for a glimpse into how nerdy we can get.) While these have been very entertaining and always debated in good fun, I observe how quickly my peers and I draw battle lines and defend a position—no matter how silly—with deep passion and enthusiasm.

Unfortunately, many parts of our personal and professional lives are becoming equally polarized, but without the good-natured fun. With deeply rooted beliefs, societal pressures, and diverse world views driving aspects of our society apart, I truly appreciate how little politics entered into my tenure on the Colorado board and in the committees and boards

Public protection is not a virtue to be claimed by any political affiliation. In fact, I view it as one of the forces that unites us.

of directors on which I have served. I could not tell you with any certainty with which political party most of my peers are registered, because it simply does not matter. On the state board, the work of reviewing applications, determining qualifications for licensure, and assessing complaints for disciplinary actions was (and continues to be) accomplished absent of any political influence.

Nationally, establishing policies and procedures, creating high-stakes defensible examinations, and generating the *Model Law* and *Model Rules* as guides for all our members to follow is equally without political bias. It is a true testament to the respect this Council maintains for its fundamental mission to safeguard the health, safety, and welfare of the public—all of it.

Public protection is not a virtue to be claimed by any political affiliation. In fact, I view it as one of the forces that unites us. It is fundamental to my calling—being drawn to serve the public and our professions through responsible licensing and regulation—and allows me to best work with this Council. I am proud to stand with all of you and appreciate the spirit of service in each of you similarly drawn to this calling.

I wish you and yours all the best this holiday season, and I look forward to working together in 2022.

## MEMBER BOARD BRIEF

*continued from cover*

was inundated with advocacy materials and phone calls from the professionals (in particular, the professional engineers, surveyors, accountants, and architects) as well as their respective society allies, which helped lead to the eventual demise of House Bill 2007 upon adjournment of the 2021 session. There is no doubt in my mind that this collaboration of local government affairs professionals and regulatory boards, in cooperation with our national partners, provided us with a network to thwart deregulation efforts and prevent the unintended consequences associated with occupational reform bills.

The proposed legislation introduced in West Virginia is no different than what was, and continues to be, introduced around the country as part of a rising trend to minimize occupational licensing rules. These bills would have created the least restrictive means for licensing and did not do our professions any favors. The medical professions are often exempt, and rightfully so, from much of this regulatory reform. However, we must make our point that we belong in the same category when it comes to the importance of health, safety, and welfare of our citizens. We cannot remain lumped in with vocational occupations that do not have the same robust educational standards, rigorous examinations, and qualifying experience and continuing education requirements.

During my 20 years with my board, I have served on the NCEES Committee on Member Board Administrators, Mobility Task Force, Committee on Education, Computer-Based Testing Task Force, and Records Advisory group to name a few. In serving with my colleagues on these various committees and task forces, I have had the pleasure of assisting with the development and promotion of the electronic verification processing, the development and updating of the NCEES board profile project, the development and continuous review of the Engineering Education Standard used by NCEES to evaluate engineering education, and the routine review and ongoing improvements of the NCEES Records program. I share this background to show the extent of the number of meetings I have participated in for NCEES, noting that most of the charges assigned to each of these groups over the years

We have experiences that will help us to better light the path before us, and we have a support system to lean on when we are in uncharted waters.

involved improving, promoting, and increasing uniformity and mobility of licensure across all 69 NCEES jurisdictions.

There is no doubt that NCEES, as well as its member boards, work tirelessly to eliminate barriers to interstate mobility in a responsible, methodical, and professional manner. I wholeheartedly believe this is the proper way to go about implementing such critical changes. However, we have to be realistic and realize that similar bills that create the least restrictive means for licensing and cut out exams or license someone from another jurisdiction “just because,” regardless of the long-established and well-vetted requirements, will continue to crop up here in my home state as well as in yours. And when they do, you better be ready. In fact, I encourage you to be proactive and not reactive—begin to organize your local team now.

The first step is to visit the NCEES website at [ncees.org/resources/advocacy](https://ncees.org/resources/advocacy) to review the advocacy resources, legislative dashboard, and regulatory tracking systems. The second step is to put Joshua Twitty, NCEES advocacy and external engagement strategist, on speed dial. And the third step is to gather your local folks on the ground in your state. Muster those that know your legislature better than anyone and get tuned in at the national level with folks who are paid to work on these issues and can be there to offer assistance. With the help of ARPL, NCEES, and our professional societies, as well as drawing on the experience of others who have been down this road before, you can (and we must) effectively defend our licensure law and legislative rules to ensure our decision makers understand the consequences of their votes. If modifications to your licensure law seem inevitable, you have a great responsibility to participate in the process to ensure any changes made minimize endangering the public health, safety, and welfare when implemented.



**ROBERT HERBERT**

ALABAMA STATE BOARD OF LICENSURE  
FOR PROFESSIONAL ENGINEERS AND  
SURVEYORS INVESTIGATOR

## When does a professional surveyor have right of entry?

OVER THE YEARS, AS A MEMBER OF THE BOARD STAFF, I have had numerous telephone calls from the general public concerning right of entry on private property for professional surveyors. I thought it would be helpful to have a refresher of the requirements for this law.

Section 34-11-2 e(1) of the Alabama code reads,

A professional land surveyor may go on, over, and upon the lands of others which is not enclosed by any device installed to deter entry to or exit from industrial facilities or plant sites by humans or vehicles, if necessary, to perform surveys for the location of section corners, quarter corners, property corners, boundary lines, rights-of-way, and easements, and may carry and utilize equipment and vehicles. Entry under the right granted in this subdivision shall not constitute trespass. A professional land surveyor shall not be liable to arrest or to a civil action for trespass by reason of this entry.

This allows for a professional land surveyor to enter adjoining property when it meets the above listed conditions. However, as we have seen in some recent investigations, we have had professionals enter property that was gated and listed as do not enter. We have even had some professionals cut off locks or cut the fence to gain entry. These are serious transgressions that are not authorized by this law to gain entry to property. Surveyors should consider if it were their own property, would they want someone to enter the gated area without their authorization?

The destruction of the property by cutting off locks or cutting the fence to gain entry would also be a violation under Section 34-11-2 e(2), which states,

Nothing in this subsection shall be construed as giving authority to a professional land surveyor to destroy, injure, damage, or move anything on the lands of another

Surveyors should consider if it were their own property, would they want someone to enter the gated area without their authorization?

without the written permission of the landowner and nothing in this section shall be construed as removing civil liability for the damages.

The destruction of property also carries the potential for the civil liability against a surveyor for the damages that were created.

Furthermore, it is required that the professional surveyor make reasonable effort to notify adjoining landowners upon whose land it is necessary to enter as stated in Section 34-11-2 e(3). If someone is not home, leaving the information via a note, business card, or flier that you have need to gain access to the property for the purpose of surveying is sufficient notification. Do not enter a gated area without authorization from the property owner.

By following the above requirements and treating property owners the way we would like to be treated, we can continue to provide quality surveying services and hopefully cut down on those phone calls.



**DAVID COX**  
NCEES CHIEF  
EXECUTIVE OFFICER

## Ensuring appropriate pricing key to NCEES exam program and organization as a whole

IN THE 1980S, A POPULAR SPAGHETTI SAUCE commercial featured several family members each asking if the sauce contained critical ingredients. With each inquiry, the answer was simple: “It’s in there.” Similarly, for exam pricing to be successful, all cost elements of the pricing must be included. Exam revenue constitutes nearly 70 percent of our organization’s total revenue. It is the lifeblood of NCEES, funding services for member boards. It is important that exams provide substantial, positive cashflow. With that in mind, let’s review what needs to be “in there” from a computer-based testing (CBT) perspective.

### Seat/palm scan fees

When an examinee sits for a CBT exam, NCEES pays a seat fee to a third-party vendor that administers the exam. In addition, it pays a fee to verify each candidate’s identity. Currently, the two fees combined are nearly 76 percent of the FE and FS exam prices, leaving \$42 of the \$175 exam fee for other exam costs. For PE and PS exams, these fees are a more reasonable 43–50 percent of the exam revenue, leaving more margin available for other costs.

### Direct exam costs

Psychometric services, exam development (PAKS/cut scores), committee work (including travel), contracted services, ADA consultants, exam security, and Exam Services staff salaries and benefits are examples of direct exam costs. These costs are critical for current and future exams and must be part of the exam fee.

### Support services

Support services include committee and board meetings, zone and annual meetings, member board administration, awards, outreach, marketing—along with support costs of human resources, IT, finance, marketing, facilities, and

overall leadership. These costs are necessary to sustain and grow an organization and must be included in the exam fee.

### Mission advancement

As a nonprofit, NCEES must consistently seek to further our mission to advance licensure. To do so, we must ensure that the exam pricing contains a reasonable “profit” that can be invested back into the organization. Converting our pencil-and-paper exams is a perfect example: prior-year profits were invested into the infrastructure costs of converting our exams to CBT, further reducing barriers to licensure and ultimately aid our mission. A profit must be “in there” to advance our mission.

### Value

In addition to the above, we must always consider value when establishing an exam price. An overly high price can be a barrier to licensure, while a price set too low does not translate to the value of the exam.

President Brian Robertson, P.E., has charged the Committee on Finances with evaluating the pricing of each of our exams—including assessing the current costs associated with each exam type—to ensure future financial sustainability. Exam revenue is critical to the financial health of our organization now and long-term, and it is wise to periodically evaluate exam prices, especially after several years of heavy investments in the CBT transition. Currently, the fundamental exams are not priced sufficiently to encompass all the costs mentioned above; however, all exams will be evaluated as part of this process. Traditionally, any exam price change takes effect a full year after the approval, beginning January 1. Therefore, any pricing change approved at the August 2022 annual meeting would become effective January 1, 2024.

## COMMITTEE FOCUS

# NCEES committees and task forces begin work on 2021–22 agenda

WITH ITS COMMITTEES AND task forces addressing almost 60 charges this year, NCEES has a full range of issues to consider in 2021–22. President Brian Robertson, P.E., has assigned the 11 standing committees charges that focus on a range of issues, including education, enforcement, and exams. He has continued a task force to study the engineering licensure model. A Special Committee on Bylaws will propose amendments to the document that outlines the organization's structure.

The following highlights the issues that these groups will address this year.

One overarching priority for President Robertson in 2021–22 is a spring-cleaning initiative for the organization's various policies, positions, and white papers. He has assigned each of these to one or more standing committees, task forces, or staff to review and consider whether they continue to represent the position of the 21st century Council. The overall structure of how they are grouped and referenced is also being reviewed.

A full list of charges and the membership of each group are available in E3, the NCEES customer management system (click on MyNCEES at the top of [ncees.org](https://www.ncees.org) to

access the system). The committees and task forces will present their preliminary findings at the zone interim meetings this spring and get feedback from NCEES delegates. They will publish their final reports in the annual meeting *Action Items and Conference Reports*. The Council will vote on any resulting motions at the annual meeting in August 2022.

### Advisory Committee on Council Activities

**Chair: David Whitman, Ph.D., P.E.**  
**Board of directors liaison: Brian Robertson, P.E.**

ACCA makes recommendations on policy issues that are not assigned to another standing committee or that involve several committees. It also reviews the *Manual of Policy and Position Statements* and recommends revisions.

As part of President Robertson's publications review, ACCA will completely review the *Bylaws* and propose revisions or further study as necessary to address unclear or redundant items. It will also review five position statements and recommend if they should be combined with another position statement or removed altogether if it no longer reflects the position of the Council. The committee's other charges include considering whether the NCEES board

of directors should include a public member from member boards.

### Committee on Awards

**Chair: Karol Grove, P.S.**  
**Board of directors liaison: Christopher Knotts, P.E.**

The Committee on Awards will collect nominations for NCEES service awards to be presented during the 2022 annual meeting and recommend recipients to the board of directors. Nomination materials are available on [ncees.org](https://www.ncees.org) under Board Resources. Nominations are due by January 31, 2022.

### Committee on Education

**Chair: Garth Thomas Jr., P.E.**  
**Board of directors liaison: Michael Drewyor, P.E., P.S.**

The Committee on Education serves in an advisory role for education issues related to ABET, requirements prior to initial licensure, continuing professional competency, and foreign degree or unaccredited program evaluation.

As part of the comprehensive publications review, the committee will review two white papers—*Benefits of a Four-Year Degree Requirement for Surveying Licensure* and *Using the Fundamentals of Engineering*

*Examination as an Outcomes Assessment Tool*—and propose revisions as necessary. Additionally, the committee will consider allowing and marketing the use of the FE exam as an entrance exam—instead of or as an alternate to the GRE—for engineering graduate programs.

#### **Committee on Examination Audit**

**Chair: Gary Thompson, P.L.S.**

**Board of directors liaison: Andrew Zoutewelle, P.L.S.**

The Committee on Examination Audit conducts regular audits of the NCEES exam program. It observes standard-setting studies to update exam specifications. The committee also reviews the findings of previous audits to ensure that items were addressed appropriately.

This year, the committee will audit the most recent administrations of the FE, FS, PS, and PE Agricultural and Biological exams. It will observe standard-setting studies for the following PE exams: Agricultural and Biological, Nuclear, and Petroleum. It will also review exam audit findings from the 2020–21 audit cycle to ensure that items were appropriately addressed.

#### **Committee on Examination Policy and Procedures**

**Chair: Elizabeth Johnston, P.E.**

**Board of directors liaison: Michael Drewyor, P.E., P.S.**

The EPP Committee reviews the effectiveness of the NCEES exam process and recommends revisions to policies and procedures when needed.

The committee will review four position statements as part of the publications review. It will also consider whether additional member boards or more-detailed information should be required from member boards that request a new exam discipline or module regarding Exam Development Policy 5.

#### **Committee on Examinations for Professional Engineers**

**Chair: Laura Sievers, P.E.**

**Vice chair: George Murgel, Ph.D., P.E.**

**Board of directors liaison: Christopher Duhamel, P.E., P.L.S.**

The EPE Committee oversees the development and scoring of the FE and PE exams. Its recurring charges include conducting content reviews to update exam specifications, reviewing exam development committee data to ensure appropriate volunteer diversity, monitoring training of exam development volunteers, and recommending changes to exam policies and procedures as needed.

As part of the publications review, the committee will review all exam development policies, all exam administration policies, and one position statement. Its other charges include performing due diligence work regarding the potential of NCEES offering a PE Plumbing exam.

#### **Committee on Examinations for Professional Surveyors**

**Chair: Aaron Morris, P.L.S.**

**Vice chair: James Riney, P.E., P.S.**

**Board of directors liaison: Christopher Knotts, P.E.**

The EPS Committee oversees the development and scoring of the FS and PS exams. It reviews item performance, monitors the training of exam development volunteers, and recommends changes to exam policies and procedures.

As part of the publications review, the committee will review all exam development policies, exam administration policies, and one position statement.

The committee will continue the development of a plan to restructure the PS exam into separately scored divisions, which delegates approved at the 2019 annual meeting. As part of this charge, the committee will oversee the professional activities and knowledge study performed by the PS exam development committee. This study will determine the topics covered on the potential divisions and which divisions are practical. The committee will make its final recommendations to the Council for a divisional format, including an alternative for only some of the divisions as well as financial impact and potential exam fees.

#### **Committee on Finances**

**Chair: Timothy Rickborn, P.E., S.E.**

**Board of directors liaison: Paul Tyrell, P.E., P.L.S.**

The Committee on Finances studies the financial needs of NCEES and recommends sources of income and ways and means of securing adequate funds for the Council's operation. The committee will review the results of the

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## COMMITTEE FOCUS

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2020–21 audit and the organization’s current financial condition and will work with NCEES leadership to recommend the operating and capital budgets for 2022–23.

Its other charges for the year include evaluating the financial adequacy of the current CBT exam pricing models—including assessing the current costs associated with each exam type—to ensure appropriate future financial sustainability. The committee will also work with the EPS Committee to estimate exam costs if and when the PS examination transitions to a multidivisional examination.

### Committee on Law Enforcement

**Chair: Jill Short**

**Board of directors liaison: Scott Bishop, P.S.**

The Committee on Law Enforcement promotes greater uniformity and cooperation between member boards in the enforcement of licensure laws. The committee maintains the *Investigation and Enforcement Guidelines* and *Investigative Training Manual*, best practice manuals for enforcement activities and training. It also conducts a law enforcement program at the NCEES annual meeting and writes the column “Enforcement Beat” for *Licensure Exchange*.

As part of the overall publications review, the committee will review one position statement. Additionally, it will continue the charge from 2020–21 to review the appendices in the

*Investigation and Enforcement Guidelines* and revise as appropriate.

### Committee on Member Board Administrators

**Chair: Donna Sentell**

**Board of directors liaison: Scott Bishop, P.S.**

The MBA Committee coordinates MBA meetings, including those at the NCEES annual meeting and zone interim meetings. The committee facilitates cooperation between MBAs and assists with any member board efforts to address licensure processes and practices. It also mentors new MBAs and writes a *Licensure Exchange* column, “Member Board Brief.”

The committee will review 11 position statements as part of the comprehensive publications review. The committee’s other charges for 2021–22 include reviewing the origins (including supporting reasoning) of the four-year experience requirement in the *Model Law* and other documents, including member board laws and rules. The committee will prepare a report for the board of directors to review.

### Committee on Uniform Procedures and Legislative Guidelines

**Chair: Charles Coyle, P.L.S.**

**Board of directors liaison: Thomas Orsich, P.L.S.**

A full list of charges and the membership of each group is available in Board Resources, part of the members-only section of the NCEES website.

Each year, the UPLG Committee looks for ways to strengthen the licensure process and proposes any necessary changes to the *Model Law* and *Model Rules*, documents that provide member licensing boards with models for their own practice laws to regulate the engineering and surveying professions.

As part of the publications review, UPLG will perform a complete review of the structure and organization of all position statements. It will also review the white paper *Member Immunity from Liability for Action Taken or Omission in the Discharge of NCEES Member Board Responsibilities* as well as six position statements.

### Engineering Licensure Model Task Force

**Chair: David Beasley, Ph.D., P.E.**

**Board of directors liaison: Brian Robertson, P.E.**

President Robertson is continuing the Engineering Licensure Model Task Force, which was originally formed in 2020–21, to review the current NCEES engineering licensure model.

This year, the task force will assess domestic medical and dental licensure models to determine whether a tiered licensure model could include more of engineering team members who have credentials other than the current P.E. model used by state licensure boards.

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## EXAM NEWS

### Board approves 2021–22 exam item costs

THE NCEES BOARD OF DIRECTORS RECENTLY APPROVED values for each exam item for fiscal year 2020–21, which began October 1. The values are calculated in three groups: multiple-choice items for exams administered via computer-based testing, or CBT; multiple-choice items for pencil-and-paper exams; and constructed response, or essay, questions for pencil-and-paper exams.

The following are the exam item costs for 2021–22:

- CBT item cost: \$1,702
- Pencil-and-paper exam item cost for multiple-choice items: \$1,323
- Pencil-and-paper exam constructed response: \$17,972

Each year, NCEES assesses the potential financial damages associated with an exam breach and sets a cost to replace an exam item, or question, if it can no longer be used. NCEES considers travel expenses, subject-matter experts' time, psychometric costs, and office and personnel costs when establishing the dollar value of each exam item.

#### 2022 approved calculators

NCEES recently approved the calculator models that can be used on exams in 2022:

- Casio: All fx-115 and fx-991 models (Any Casio calculator must have “fx-115” or “fx-991” in its model name.)
- Hewlett Packard: The HP 33s and HP 35s models, but no others
- Texas Instruments: All TI-30X and TI-36X models (Any Texas Instruments calculator must have “TI-30X” or “TI-36X” in its model name.)

Limiting the types of calculators allowed in the exam room is one measure NCEES takes to protect exam integrity.



*NCEES staff member welcomes a PE Mechanical exam volunteer to NCEES headquarters in Greenville, South Carolina. The PE Mechanical meeting in October was the second in-person exam development meeting held at NCEES since March 2020.*

#### CBT conversion almost complete

With the final pencil-and-paper exam administrations for several NCEES exams held in October 2021, all but one exam has completed its transition to computer-based testing. Only the PE Structural exam remains in pencil-and-paper format. Its conversion is currently scheduled for completion in 2024.

#### Exam development holds two in-person meetings

NCEES held in-person meetings for the PE Structural and PE Mechanical exams in September and October, respectively, to test its exam lab computers and building processes as well as COVID-19 protocols. These were the first exam development meetings held at NCEES headquarters since March 2020—when meetings were canceled in response to the COVID-19 pandemic—and are the first held in the new Greenville, South Carolina, facilities. NCEES is planning to resume in-person exam development meetings in January, depending on developments with COVID-19.

#### Miller retiring

Chief Officer of Examinations Tim Miller, P.E., is retiring December 31, 2021, after 16 years of service to NCEES. Miller has led the organization's exam services department since 2007.

Jason Gamble, P.E., is the new chief officer of examinations. Gamble previously served as an NCEES exam development engineer, managing the development of four PE exam disciplines.

# NCEES OUTREACH

The following are recent 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.

## Engineer and surveyor profiles

In the latest NCEES profile, Danielle Yoon, P.E., discusses her passion for helping communities secure funding for infrastructure initiatives, her participation in the National Society of Professional Engineers Emerging Leaders Program, and her advice for those considering professional licensure. Profiles are posted at [ncees.org/engineer-profiles](https://ncees.org/engineer-profiles) and [ncees.org/surveyor-profiles](https://ncees.org/surveyor-profiles).

## NCEES/EWB podcast

NCEES recently partnered with Engineers Without Borders USA for a special podcast, “Putting EWB-USA volunteering skills to work—an industry perspective.” In it, student and professional EWB-USA volunteers as well as industry representatives share why volunteering skills matter in today’s workforce. The discussion includes insights into the pathway and benefits of professional engineering licensure and how licensure helps to protect the health, safety, and welfare of the public.

## Conferences and meetings

NCEES Marketing and Outreach Coordinator Katie Kelley spoke to more than 200 students on the value of and path to licensure at the Society of Women Engineers WE21 Conference on October 21–23. The NCEES virtual booth was part of the SWE’s hybrid event, a first for the organization’s annual conference.

NCEES staff and volunteers participated in a range of virtual licensure presentations in November and December, including presentations to the following groups:

- Clemson University ASCE Chapter
- Clemson University BioSystems undergraduate engineering class
- Florida International University SWE Chapter
- Indiana Young Surveyors Network
- Minnesota Engineering Alliance
- Northern Arizona University SHPE Student Chapter
- University of Wyoming undergraduate engineering class

# COMMITTEE FOCUS

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Additionally, it will assess international engineering models to determine how other countries incorporate tiered licensure. The task force will also participate in the publications review, reviewing one position statement.

## Special Committee on Bylaws

**Chair:** Howard (Skip) Harclerode, P.E.

**Board of directors liaison:** Christopher Duhamel, P.E., P.L.S.

President Robertson has convened the Special Committee on Bylaws to amend the *Bylaws* to incorporate several changes to NCEES governance that delegates approved at the 2021 annual meeting. The committee’s charges include reviewing revisions to *Bylaws* 6.02 approved by the Council in 2021. The committee will propose an amendment to remove the ability for a member board to split its vote at the annual meeting.

# MEMBER BOARD NEWS

## ARIZONA

Aaron Green, Jennifer Hobik, Michael Kolejka, Kileen Lindgren, and Christina Wong are new appointees. Alejandro Angel, and Carmen Wyckoff are no longer members.

## IDAHO

Keith Brooks is a new appointee. John Elle is no longer a member.

## MARYLAND PE & PS

Zevi Thomas is the new member board administrator.

## MINNESOTA

Paul Brandt, Sally Grans Korsh, and Travis Thul are new appointees. Dave Blume, Wayne Hilbert, David Landecker, and Robert Whitmyer are no longer members.

## MISSOURI

Shane Terhune is a new appointee. Daniel Govero is no longer a member.

## NORTH CAROLINA

Emeritus member George Paris passed away December 22, 2020, at the age of 80.

## NORTH DAKOTA

Emmy Vareberg is a new appointee.

## RHODE ISLAND PE & PS

Jovonna Bennett is the new member board administrator, replacing Virginia Porter.

## WYOMING

Gregory Meinecke is a new appointee. Robert Norton is no longer a member.

## ASSOCIATE

The NCEES board of directors approved the following associate member at its November meeting. **Kentucky:** Heather Baldwin

## EMERITUS

The NCEES board of directors approved the following emeritus members at its November meeting. **Arizona:** Alejandro Angel; **Arkansas:** James Engstrom; **Florida PS:** Steven Hyde; **Vermont PS:** Charles Rockwell

## UPCOMING EVENTS

*Currently scheduled events may change as NCEES continues to address the COVID-19 pandemic.*

### December 1–3

PE Structural Scoring Workshop  
Virtual

### December 8

Law Enforcement Forum: Panel Discussion of Law Enforcement Questions  
Virtual

### December 10

EPP Committee Meeting  
Virtual

### December 15–16

Engineering Licensure Model Task Force Meeting  
Denver, Colorado

### January 7–8

FE Exam Meeting  
Greenville, South Carolina

### January 13–14

FE Exam Meeting  
Virtual

### January 14–15

PE Electrical and Computer Meeting  
Greenville, South Carolina

### January 17

ACCA Meeting  
Phoenix, Arizona

### January 19–20

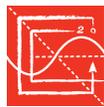
EPS Committee Meeting  
Greenville, South Carolina

### January 21–22

FS and PS Exams Meeting and Similarity Analysis  
Greenville, South Carolina

### January 28–29

PE Civil Exam Meeting  
Greenville, South Carolina



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*Team members from West Ridge Middle School in North Texas work together to build their team's model for the 2021 Future City competition. The team won the NCEES-sponsored Best Land Surveying Practices special award at the 2021 Future City finals.*

## 2022 Future City focuses on a waste-free future

Imagine a city 100 years in the future that generates zero waste and no pollution. This year's Future City Competition is asking teams of middle-school students to use the engineering design process to create their idea of a waste-free city. Future City is a project-based learning program where students in 6th, 7th, and 8th grades imagine, research, design, and build cities of the future.

NCEES will once again sponsor the Best Land Surveying Practices Special Award at regional competitions across the country in January and at the national finals in February.

Details for the 2022 Future City competitions are still being finalized. Additional information will be posted at [futurecity.org](http://futurecity.org) as it becomes available.