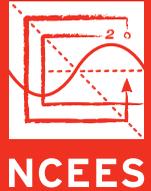


# Licensure EXCHANGE

DECEMBER 2018

Volume 22, Issue 6



**DAVID COX**  
NCEES CHIEF  
EXECUTIVE OFFICER



## HEADQUARTERS UPDATE

### Right back where I started

WHEN I READ JERRY CARTER'S HEADQUARTERS Update article, "Coming to the end of an unexpected career path," in the August 2018 issue, I could certainly relate. Jerry worked for the North Carolina Board of Examiners for Engineers and Surveyors for 17 years before coming to NCEES. I worked for the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors for 17 years before joining NCEES staff.

Also like Jerry, I responded to an employment opportunity that sounded interesting. In my case, it was the fall of 2000, and the Kentucky board was advertising for an executive director to replace the retiring director. I never thought I would work in anything related to the engineering or surveying field. I grew up around the professions. My father, grandfather, uncles, and cousins were all involved in engineering or surveying in one way or another. Summers and weekends with heat, cold, rain, snow, bugs, snakes, and blisters made me yearn for a career with heaters and air conditioners. That is why I earned an accounting degree from the University of Kentucky and became a certified public accountant.

Being here has reaffirmed what I already learned from more than 17 years of service to the Council. The greatest assets of NCEES do not reside on the balance sheet. The people are the greatest assets.

I went through the interview process with the Kentucky board and was lucky enough to get the job. When I told my father, he laughed and said, "You are right back where you started, working with engineering and surveying." I laughed, too—and pointed out that his engineering and surveying professional licenses were now under my purview.

After more than 17 years with the Kentucky board, I responded to another notice that sounded interesting. In this case, it was a press release announcing that Jerry was soon to retire as chief executive officer of NCEES and that a search for his replacement was underway. I applied, diving even deeper into the engineering and surveying professions, which I worked so hard to avoid decades ago. Once again, I was lucky enough to get the job. When I told my father, he laughed, and well, you can imagine his response.

I have been fortunate to have Jerry available as I learn the ropes at NCEES. No matter how much you try to document the various tasks, people, and projects, you

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## FROM THE PRESIDENT



**JAMES PURCELL, P.E.**  
NCEES PRESIDENT

# Public outreach critical for promoting the value of licensure

HAVE YOU EXPLAINED YOUR PROFESSION TO ANYONE today? How about within the past month or year? When was the last time you spoke to students, nonlicensed engineers or surveyors, or even the general public about the importance of licensure?

Public outreach has become more critical to the engineering and surveying professions in the past few years. I remember as a student being told that the public doesn't understand what engineers and surveyors do. That's been the case for decades, but we are in an era now in which the importance of licensure is more pressing. So long as the lights go on, the Wi-Fi is working, the roads are paved, and the toilets flush, no one ever thinks of how that came to be. The public doesn't know the intricacies of the systems behind the elevator working in an apartment or office building, the mechanical and electrical systems that keep vehicles running, or any myriad of mundane daily occurrences. Technology has made it easy for engineers and surveyors to perform some job duties without being professionally licensed, and this leaves those with licenses challenged to explain why licensure is important.

It's not easy to explain to the general public what a licensed professional means for them, and the explanation differs with the audience. We speak to college students in engineering programs about licensure in a different way than we speak to elementary school students. Retirees entering the profession from government or industry need a different message than the ones who are still in government and industry. And the general public—the public we are sworn to protect—need an entirely different message.

I convened the Public Outreach Task Force this year to look at ways to get the message across to all sectors. Advancing licensure for engineers and surveyors is our mission; we need to better communicate to everyone and provide NCEES

members the tools to do so. The task force is looking at all the ways that NCEES already performs outreach as well as what our member boards are doing on their own. Perhaps your board has programs in place that we can consider for our toolkit. Please let us know by contacting Nina Norris, the task force's staff liaison, at NCEES headquarters.

As we embark on this expanded journey in public outreach, it's important that we also realize what NCEES already does to reach the public. First, we are strategically aligned with all of the technical and professional societies through the Participating Organizations Liaison Council; the Interprofessional Council on Registration; and an annual meeting of the leadership of NCEES, ABET, the American Society for Engineering Education, the American Society of Civil Engineers, and the National Society of Professional Engineers. NCEES also has representatives who participate in many organizations on its behalf.

NCEES is serving as co-chair of DiscoverE for the second consecutive year. DiscoverE Engineers Week is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers. It is a week to focus on K-12 engineering outreach, and NCEES will help lead the way in 2019.

Additionally, we are exhibitors at many conferences, such as those of the American Society for Engineering Education, the Society of Women Engineers, and the National Society of Black Engineers, where our outreach focus is on the value of licensure. Through Speaker's Link and its various Speaker's Kits, NCEES provides licensed engineers and surveyors, as well as supporting materials, to speak to students about the importance of licensure and the process to become a professional engineer or surveyor. The NCEES Engineering



*NCEES volunteers help future engineers with the Flinker activity at DiscoverE Family Day at the National Building Museum in Washington, D.C. NCEES partnered with volunteers from the Society of American Military Engineers to provide this hands-on activity to promote engineering.*

Education and Surveying Education awards also promote licensure to college students across the country.

These are a few of the existing outreach efforts that NCEES uses to promote professional licensure for engineers and surveyors, and there is room for more.

As NCEES continues to develop tools for you and your board to use to advance licensure for engineers and surveyors, please consider how you talk about yourself and your profession every day. Let us know how we can help you in those discussions.

## HEADQUARTERS UPDATE

*continued from cover*

find that a large quantity of the knowledge resides with the person doing the job. Having Jerry in the office has certainly shortened my learning curve.

People have commented that Jerry's smile gets bigger with each passing day, which is true. I can also say that my smile gets bigger with each passing day because I am so proud and honored to be the CEO of NCEES. Being here has reaffirmed what I already learned from more than 17 years of service to the Council. The greatest assets of NCEES do not reside on

the balance sheet. The people are the greatest assets. They are intelligent and caring, and they take great pride in their work and the vision and mission of NCEES.

I want to build on what Jerry, NCEES staff, the board of directors, Council members, and our volunteers have already put in motion. I strongly believe in financial responsibility with an emphasis on customer service for member boards, examinees, and Record holders. I look forward to continuing to strengthen our organization.

## COMMITTEE FOCUS

# NCEES committees and task forces begin work on 2018–19 agenda

WITH ITS COMMITTEES AND task forces addressing more than 80 charges this year, NCEES has a full range of issues to consider in 2018–19. President James Purcell, P.E., has assigned the 11 standing committees charges that focus on education, exams, enforcement, and other issues. He has appointed task forces to study issues related to public outreach and the structure of the Principles and Practice of Surveying (PS) exam. He has also formed a Special Committee on Bylaws to propose changes to the document that outlines the structure of the organization.

The following highlights the issues that these groups will address this year. 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 at [ncees.org/resources](http://ncees.org/resources).

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 submit their final reports for publication in the annual meeting *Action Items and Conference Reports*. The Council will vote on any resulting motions at the annual meeting in August 2019.

### Advisory Committee on Council Activities

**Chair: Dale Jans, P.E.**

**Board of directors liaison:**

**James Purcell, P.E.**

**Staff liaison: Donna Moss, SHRM-CP, PHR**

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

The committee will consider the use of proxy voting for member boards at zone interim meetings and annual meetings. It will review the *Zone Meeting and Continuity Guidelines* regarding the zone Leadership Development committees and the election of zone officers and recommend revisions and additional guidance as needed. It will also review *Bylaws* provisions for the Participating Organizations Liaison Council (POLC) and recommend changes as needed to enhance the value to NCEES and the POLC members and to facilitate more effective communication among the organizations.

### Committee on Awards

**Chair: Daniel Turner, Ph.D., P.E., P.L.S.**

**Board of directors liaison:**

**Patrick Tami., P.L.S.**

**Staff liaison: Sherrie Dyer, CAP-OM**

The Committee on Awards will collect nominations for NCEES service awards

to be presented during the 2018 annual meeting and recommend recipients to the board of directors. Nomination materials are available on [ncees.org](http://ncees.org) under Board Resources. Nominations are due by January 31, 2019. It will also develop a plan to promote participation in the NCEES service awards program and to distinguish it from zone service awards.

### Committee on Education

**Chair: Robin Petzold, P.S.M.**

**Board of directors liaison:**

**Brian Robertson, P.E.**

**Staff liaison: Davy McDowell, P.E.**

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

This year, the committee will review the NCEES Engineering Education Standard and the NCEES Surveying Education Standard to determine whether the humanities and social sciences requirements should remain in the standards. It will evaluate these standards to ensure that they are consistent with ABET accreditation policies where possible. It will review NCEES model documents, position statements, and professional policies to determine if degrees from programs accredited by the Engineering

Technology Accreditation Commission of ABET should be included as a path to attaining Model Law Engineer status or to meeting the NCEES Engineering Education Standard.

### **Committee on Examination Audit**

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

**Board of directors liaison:**

**Christopher Knotts, P.E.**

**Staff liaison: Lehmon Dekle, P.E.**

The Committee on Examination Audit conducts regular audits of the NCEES exam program. This year, it will audit the most recent administrations of the Structural Engineering (SE) and PS exams, as well as the following Principles and Practice of Engineering (PE) exams: Architectural, Electrical and Computer, Environmental, and Fire Protection. It will review audit findings of the Fundamentals of Engineering (FE) and PE Mechanical exams. It will also observe standard-setting studies for the FE, Fundamentals of Surveying (FS), PE Chemical, and PE Fire Protection exams.

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

**Chair: William Atkinson, P.E.**

**Board of directors liaison:**

**Marlon Vogt, P.E.**

**Staff liaison: Timothy Miller, P.E.**

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

This year, the committee's charges include reviewing the *NCEES Examinee Guide* for content and effectiveness. It will review exam volumes with regard to Examination Development Policy 8, Deleting/Combining/Renaming a Discipline or Module from the

Examination Program, and provide recommendations to the NCEES board of directors. The committee will also recommend a calculator list for use on NCEES exams for approval by the board of directors.

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

**Chair: Christopher Duhamel, P.E., P.S.**

**Board of directors liaison:**

**Dean Ringle, P.E., P.S.**

**Staff liaison: Timothy Miller, P.E.**

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, monitoring the training of exam development volunteers, and recommending changes to exam policies and procedures as needed.

The committee's charges for 2018–19 include reviewing recommendations from the 2017–18 EPE Committee on exam volunteer diversity and recommending a plan for implementation and monitoring. The committee will review the NCEES testing philosophy related to supplied references; it will develop recommendations for exam development committees on whether examinees should be tested on the ability to locate relevant material in a reference or the ability to apply something found in a reference.

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

**Chair: Joseph Flynn, L.S.**

**Board of directors liaison:**

**Paul Tyrell, P.E., P.L.S.**

**Staff liaison: Timothy Miller, 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.

Like the EPE Committee, the EPS Committee will review the recommendations from 2017–18 EPS Committee regarding the diversity of exam development volunteers. The committee will recommend a plan for implementation and monitoring.

### **Committee on Finances**

**Chair: Andrew Zoutewelle, P.L.S.**

**Board of directors liaison:**

**Timothy Rickborn, P.E.**

**Staff liaison: Betsy Pearson, CPA**

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 2017–18 audit and the current financial condition of NCEES and will work with NCEES leadership to recommend an income and expense budget for 2019–20.

Its other charges for the year include considering the possibility of granting needs-based fee waivers or reductions to qualifying students for the FE and FS exams fees. The committee will also review Financial Policy 8, Membership Fees, and consider the possibility of assessing an annual per-licensee fee for member boards. Currently annual fees are based on the number of licensees per member board, but within three ranges (up to 200, 201–500, and more than 500 licensees).

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## COMMITTEE FOCUS

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### Committee on Law Enforcement

**Chair: Karl Tonander, P.E.**

**Board of directors liaison:**

**Brian Robertson, P.E.**

**Staff liaison: Bob Whorton, P.E.**

The Committee on Law Enforcement promotes greater uniformity and cooperation between member boards in the enforcement of licensure laws. The committee maintains the NCEES *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 “Enforcement Beat” column for *Licensure Exchange*.

This year, the committee’s other charges include developing guidelines to identify and assist member boards that are not using Enforcement Exchange, the NCEES enforcement database. It will also research the availability of national enforcement statistics and determine the feasibility of collecting enforcement data from all member boards.

### Committee on Member Board Administrators

**Chair: Shelby Lopez**

**Board of directors liaison:**

**Christopher Knotts, P.E.**

**Staff liaison: Steven Matthews**

The MBA Committee is responsible for coordinating meetings for MBAs at the NCEES annual meeting and zone interim meetings. The committee facilitates

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 at [ncees.org/resources](http://ncees.org/resources).

cooperation between MBAs and assists with any member board efforts to address licensure processes and practices. It also writes a *Licensure Exchange* column, “Member Board Brief.”

The committee’s charges for 2018–19 include working with NCEES staff to develop a communications plan and long-term strategy to promote actions to increase licensure mobility and reduce barriers to licensure. It will assist NCEES staff in developing a program of regular MBA video conferences or virtual MBA meetings to replace the face-to-face biennial MBA meeting, which was last held in 2016. It will also work with the Committee on Education to study how the NCEES Credentials Evaluations service evaluates engineering degree programs from Washington Accord signatories.

### Committee on Uniform Procedures and Legislative Guidelines

**Chair: Shannon Stanfill**

**Board of directors liaison:**

**Marlon Vogt, P.E.**

**Staff liaison: Keri Anderson**

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*, the documents that provide member

licensing boards with models for their own practice laws to regulate the engineering and surveying professions.

The committee charges include reviewing revisions to *Model Rules* 240.30, Continuing Professional Competency, as proposed by the 2017–18 Committee on Education and approved by the Council at the 2018 annual meeting, and proposing amendments as appropriate. It will also review the “Suggested Guidelines for Building Information Modeling Use on Projects,” which was developed by the 2017–18 Technology Task Force and approved by the Council at the annual meeting, and will determine whether the guidelines should be incorporated into the *Model Rules* or be published as a standalone document.

### Special Committee on Bylaws

**Chair: Donna Sentell**

**Board of directors liaison:**

**Dean Ringle, P.E., P.S.**

**Staff liaison: Davy McDowell, P.E.**

President Purcell convened the Special Committee on Bylaws to amend the *Bylaws* to incorporate several changes concerning NCEES standing committees. The changes, which were approved at the 2018 annual meeting,



*Delegates consider a motion from the Advisory Committee on Council Activities at the 2018 annual meeting. The annual meeting is the culmination of the work of NCEES standing committees and task forces, where they deliver reports on their work for the year and present motions for Council consideration.*

include amendments pertaining to the membership of ACCA, and the EPS, EPP, Law Enforcement, and MBA committees.

#### **Public Outreach Task Force**

**Chair: Lance Kinney, Ph.D., P.E.**

**Board of directors liaison:**

**James Purcell, P.E.**

**Staff liaison: Nina Norris**

President Purcell formed the Public Outreach Task Force to investigate opportunities to advance licensure for engineering and surveying. The task force will develop plans to promote

- Licensure at universities to support an increase in the number of FE and FS examinees
- The importance of licensure and careers in engineering and surveying to K–12 students

- The importance of licensure to practitioners who have retired from exempt fields, such as government and industry
- Licensure and careers in engineering and surveying to underrepresented populations

#### **Surveying Exam Module Task Force**

**Chair: William Karr, P.S.**

**Board of directors liaison:**

**Patrick Tami, P.L.S.**

**Staff liaison: Davy McDowell, P.E.**

The Surveying Exam Module Task Force will continue its work in 2018–19 to address a motion passed at the 2017 annual meeting concerning the development of new depth PS exam modules related to the U.S. Public Lands Survey System and the Metes and Bounds system. The task force will evaluate

the need for restructuring exams for surveying licensure, including the effects on mobility and the ability to protect the public. It will also determine exam volumes that would be needed to sustain psychometric viability and economic feasibility. The task force will consider the impact on state-specific surveying exams. This includes surveying member boards to determine whether the boards would still require state-specific surveying exams if the PS exam is split into modules and evaluating a representative sample of state-specific surveying exams to determine the extent to which they are redundant with the PS exam.

# Judges for Future City regionals surveying award needed

NCEES IS CONTINUING ITS SPONSORSHIP OF THE BEST Land Surveying Practices special award at the regional and national levels of the Future City Competition. This is part of its long-standing support of DiscoverE Engineers Week.

NCEES is seeking judges for its surveying-related special award for regional competitions that will take place across the country in January 2019.

## About the competition

Future City is a national program in which 40,000 students in the 6th, 7th, and 8th grade design and build cities of the future. Students work as a team with an educator and engineer mentor to plan cities using SimCity software and build tabletop scale models to present before judges at regional competitions.

The NCEES Best Land Surveying Practices special award recognizes the design that employs the best land surveying practices, taking into consideration the high standards used by surveyors to protect the public's health, safety, and welfare.

In 2019, NCEES will celebrate the 16th year of sponsoring this award at the national competition. It will also celebrate its seventh year as a regional sponsor, which has allowed the organization to introduce the surveying profession to approximately 40,000 students each year.

“Judging for this special award is an opportunity to spend a day experiencing the creativity and ingenuity of the student teams and teaching them about surveying,” explained Scott Bishop, P.S., who is a member of the Utah Professional Engineers and Professional Land Surveyors Licensing Board and a Future City judge for the NCEES special award. “Not all teams in the competition know what surveyors do. As a judge, you still ask questions. And soon enough, the students realize they were building their models to scale and considering elevation levels for land development—which all relate to the profession. For Future Cities, the students have to use surveying principles. And it’s a good chance for the judges to point that out and expose students to the profession.”



*Judges for the NCEES Best Land Surveying Practices special award interview team members at the 2018 Future City finals in Washington, D.C. NCEES has sponsored the award at the national finals since 2004 and at regional competitions since 2013.*

## General information for volunteer judges

Special awards judging is an all-day commitment. Volunteers will judge tabletop city models, will interview the individual teams, and may present the winning team its special award.

- Judges are allowed approximately five minutes to question each team and review the city model before moving on to the next team.
- Sample questions for judging and a scoring rubric will be provided.
- Mileage and incidentals related to the regional competition are reimbursable.

If you would like to share your enthusiasm for the surveying profession by serving as a judge at a regional competition, contact Christian Cernauskas, NCEES marketing and outreach associate, at [ccernauskas@ncees.org](mailto:ccernauskas@ncees.org).

For a list of regional competition locations and dates, visit [futurecity.org/regions](http://futurecity.org/regions).



**JIM SZATKOWSKI, P.E.**

IDAHO BOARD OF LICENSURE FOR PROFESSIONAL  
ENGINEERS AND PROFESSIONAL LAND SURVEYORS  
DEPUTY DIRECTOR

## Board application processing can benefit from using Enforcement Exchange

AS BOARD STAFF PROCESSES APPLICATIONS FOR licensure, they review the critical elements in the application. They review answers to the typical questions regarding licenses held in other jurisdictions, disciplinary actions in other jurisdictions, and criminal convictions. How do you know if these responses are truthful or accurate?

One place to look for the answer is the NCEES Enforcement Exchange. Enforcement Exchange is a nationwide online database that allows member boards to enter disciplinary actions taken against violators and to review actions posted by other jurisdictions. Boards can use this database to screen licensure and exam applicants for disciplinary actions and to verify that their licensees have not committed violations in other jurisdictions.

Enforcement Exchange now contains more than 13,000 records. More and more states are participating. Is yours?

### How is this helpful?

Licensing boards are tasked under the law with safeguarding the public's health, safety, and welfare. While the disciplinary information listed for a particular individual or firm on Enforcement Exchange may not impede being licensed in your jurisdiction, the board needs to know the particulars so that it can determine what is best in terms of your statutes and rules. Having more accurate and up-to-date information helps board members better protect the public.

Enforcement Exchange also allows boards to save a limited and valuable resource: time. A quick check of the Enforcement Exchange records allows staff to easily find out if an applicant has disciplinary or related actions in other jurisdictions. Staff can download copies of any actions that accompany the application, saving staff, board members, and applicants time and effort.

With Enforcement Exchange, boards can

- Find actions taken by other jurisdictions against a licensee or applicant
- Obtain copies of the other jurisdictions' final orders
- Find listings of denials
- Find civil and criminal actions that resulted in a licensure action

The NCEES enforcement brochure (available in the Enforcement Resources section of [ncees.org/resources](http://ncees.org/resources)) outlines available resources. It lists three simple steps for boards to effectively use Enforcement Exchange:

- Check every comity and firm certificate-of-authorization application against the Enforcement Exchange database before approving licensure in your jurisdiction.
- Enter disciplinary actions into the database on a regular schedule (monthly, quarterly, etc.).
- Contact NCEES staff to report any discrepancies—such as incorrect spelling of names, incorrect contact information, or differing violations—that you find in the database.

Entering information in Enforcement Exchange is simple and straightforward. It is helpful to set a routine time for this task, such as every month or after each board meeting. If your board does not have the staff or resources to enter the information, contact NCEES for assistance.

Using Enforcement Exchange allows your board to better protect the public and helps other boards to do the same. I encourage all member boards to use this valuable resource.

*Szatkowski is deputy director of the Idaho board and a member of the 2018–19 NCEES Committee on Law Enforcement.*

# Board approves 2019 calculator list for NCEES exams

THE NCEES BOARD OF DIRECTORS RECENTLY APPROVED the calculator models that can be used on NCEES computer-based and pencil-and-paper exams in 2019:

- 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 of the measures NCEES takes to protect the integrity of its exams.

### Spring 2019 exam changes

The new year will usher in several changes to NCEES exams.

- The Principles and Practice of Surveying exam has new specifications starting in January 2019.
- With the final pencil-and-paper administration completed in October, registration for the computer-based PE Environmental exam opened in November. Examinees can now schedule computer-based testing (CBT) appointments, which will be available year-round starting on April 1, 2019.
- The last administration of the PE Software Engineering exam will be offered in April 2019.

### 2018–19 exam item costs

The NCEES board of directors also recently approved values for each exam item for fiscal year 2018–19, which began October 1. The values are calculated in three groups: multiple-choice items for all exams administered via CBT, which includes the FE, FS, and PS exams and the PE Chemical, Nuclear, Petroleum, and Environmental exams; multiple-choice items for pencil-and-paper exams, which includes all other remaining PE exams and the breadth portion on the

SE exam; and constructed response, or essay, questions for pencil-and-paper exams, which include the depth portion of the SE exam.

The following are the exam item costs for 2018–19:

- CBT exam item cost: \$2,236
- Pencil-and-paper exam item cost for multiple-choice items: \$1,802
- Pencil-and-paper exam constructed response: \$18,798

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.

### CBT conversion timetable

For the latest information on the conversion of NCEES exams to CBT, visit [ncees.org/CBT](http://ncees.org/CBT). The timetable includes details on when each exam will convert to CBT, as well as the format and availability of each exam.

# UPCOMING EVENTS

## December 10

MBA Committee Meeting  
Charleston, South Carolina

## December 12

Records Advisory Group Meeting  
Charleston, South Carolina

## January 3–5

PE Electrical and Computer  
Exam Meeting  
Clemson, South Carolina

## January 8–9

ACCA Meeting  
Miami, Florida

## January 11–12

FE Exam Meeting  
Clemson, South Carolina

## January 14–15

Exam Audit Committee Meeting  
Clemson, South Carolina

## January 18–19

PE Civil Exam Meeting  
Clemson, South Carolina

## January 19

Law Enforcement Committee  
Meeting  
Austin, Texas

## January 23–24

PE Petroleum Exam Meeting  
Clemson, South Carolina

## January 25

UPLG Committee Meeting  
Dallas, Texas

## January 25–26

EPE Committee Meeting  
Clemson, South Carolina

## January 31–February 2

EPS Committee, FS Exam, and  
PS Exam Meetings  
Clemson, South Carolina

## MEMBER BOARD NEWS

**ALABAMA** Joseph Breighner is a new appointee. Frazier Christy is no longer a member.

**DELAWARE PE** Former executive director Margaret (Marge) Wise passed away in September at the age of 92. Michael Clendaniel and Joseph Jakubowski are new appointees.

**MISSOURI** Jerrod Hogan is a new appointee. John Michael Flowers is no longer a member.

**OKLAHOMA** Lucy Lambert Novotny is a new appointee. Monica Wittrock is no longer a member.

**EMERITUS** The board of directors approved the following emeritus member at its November meeting.  
**Kansas:** Timothy Sloan

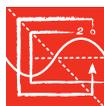
## Remembering NCEES past president Henn Rebane



NCEES PAST PRESIDENT AND FLORIDA ENGINEERING board emeritus member Henn Rebane, P.E., passed away September 26 at the age of 84.

Rebane was a member of the Florida Board of Professional Engineers from 2000 to 2008, serving as its 2006–07 chair. He was president of NCEES in 2008–09 and served on the board of directors as president-elect in 2007–08 and as immediate past president in 2009–10.

Rebane served on a number of NCEES committees and task forces. He was a member of task forces related to licensure promotion, education/accreditation, fire protection/design build, and industrial exemption, and he chaired the Leadership and Standards task forces. He served as a member of the Advisory Committee on Council Activities for three years, including two as chair. He served five terms on the Special Committee on Bylaws as well as two on the Committee on Nominations.



James Purcell, P.E.  
*President*  
New Jersey

Dean Ringle, P.E., P.S.  
*President-Elect*  
Ohio

Patrick Tami, P.L.S.  
*Immediate Past President*  
California

Timothy Rickborn, P.E.  
*Treasurer*  
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Marlon Vogt, P.E.  
*Central Zone Vice President*  
Iowa

Paul Tyrell, P.E., P.L.S.  
*Northeast Zone Vice President*  
Massachusetts

Christopher Knotts, P.E.  
*Southern Zone Vice President*  
Louisiana

Brian Robertson, P.E.  
*Western Zone Vice President*  
Colorado

David Cox  
*Chief Executive Officer*  
South Carolina

Licensure

## EXCHANGE

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## NCEES publishes 2018 Engineering Education Award Book, opens 2019 competition

NCEES has published the 2018 NCEES Engineering Education Award Book to celebrate this year's winners and show how each is engaging, enriching, and inspiring the next generation of professional engineers. The award promotes understanding of the value of licensure and encourages partnerships between students and the engineering profession. The latest NCEES publication features the eight engineering programs recognized this year for excellence in connecting professional practice and education.

The book showcases each winning project, which involved collaborations with students, faculty, and professional engineers. The book includes interviews with North Carolina State University's biomedical engineering department, which won the \$25,000 grand prize for its project, *Enabling Pediatric Brain Surgery through Head Stabilization*.

As it celebrates the 2018 winners, NCEES invites EAC/ABET-accredited programs from all engineering disciplines to submit projects that integrate professional practice and education to complete for

- Grand prize: \$25,000
- Seven awards: \$10,000 each

Projects must be in progress or completed by March 11, 2019. The entry deadline is May 1, 2019. Detailed entry information is available at [ncees.org/award](http://ncees.org/award). Promotional materials, including a PDF of the NCEES Engineering Education Award Book, are also available to download online.