

Licensure EXCHANGE

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DEAN RINGLE, P.E., P.S.
NCEES PRESIDENT



FROM THE PRESIDENT

Striving for 2020 vision

OUR UPCOMING CENTENNIAL CELEBRATION in 2020 will give us an opportunity to honor the accomplishments of NCEES over the past 100 years and the individuals who made those accomplishments possible. In addition to examining the past, it also seems important to consider the future—where NCEES is headed and how we will get there.

As we approach the year 2020, it seems appropriate to check our vision—where are we trying to go as an organization? Most of us have superb hindsight; it's more challenging to excel at foresight. One thing that helps the NCEES board of directors is to review the organization's vision and mission at each board meeting:

- The vision of NCEES is to provide leadership in professional licensure of engineers and surveyors through excellence in uniform laws, licensing standards, and professional ethics in order to safeguard the health, safety, and welfare of the public and to shape the future of professional licensure.



The Committee on Examinations for Professional Engineers meets with leadership of exam development committees to discuss EPE charges for the year ahead.

- The mission of NCEES is to advance licensure for engineers and surveyors in order to safeguard the health, safety, and welfare of the public. This mission is supported through its member boards, board of directors, staff, board administrators, and volunteers by
 - Providing outstanding nationally normed examinations for engineers and surveyors
 - Providing uniform model laws and model rules for adoption by the member boards
 - Promoting professional ethics among all engineers and surveyors
 - Coordinating with domestic and international organizations to advance licensure of all engineers and surveyors

This continual review helps set our focus and guide our decisions as we move through the meeting agenda. It spells out what is important to us and how we will achieve it.

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ENFORCEMENT BEAT



GRIFFIN PRITCHARD

ALABAMA BOARD OF LICENSURE FOR
PROFESSIONAL ENGINEERS AND LAND
SURVEYORS PUBLIC INFORMATION SPECIALIST

The key to ethics is recognizing the gray area

TO PARAPHRASE MICHAEL DAVIS IN *THINKING LIKE an Engineer*, a code of ethics prescribes how professionals are to pursue their common ideal so that each may do the best he or she can at a minimal cost to themselves and those they care about, including the public. The code protects each professional from certain pressures (such as the pressure to save money by cutting corners) that most other members of the profession would avoid.

Alabama has around 19,000 professional engineers, professional land surveyors, and companies offering the practices thereof. While they equate to 19,000 different professional experiences, journeys, and sets of business plans, the one commonality among them is that they are—every day—confronted by issues that will make them consider their professional judgment.

Case in point: A buddy offers a professional engineer tickets to a national championship game. As innocuous as that seems to be on the surface, we must dive further.

Is the buddy offering the tickets to his friend whom he's known since college, or is he offering them as a business owner to an elected official with the clandestine promise of work to be granted? The first—buddy to buddy—does not violate the canons of ethics. The latter scenario could subject the individual offering the gift and the professional accepting it to an investigation for possible wrong doing.

Welcome to the gray area.

The gray area is a situation that is not well defined or that does not easily conform to a set of rules. Situations that fall into this category—especially those tied to ethical mores and norms—often have answers along the lines of “yes, but” or “no, maybe.”

As a professional, does the situation confronting you pass your own ethical litmus test? Do you know enough about the situation to make an informed decision?

In its “Framework for Ethical Decision Making,” the Markkula Center for Applied Ethics at Santa Clara University says, “The more novel and difficult the ethical choice we face, the more we need to rely on discussion and dialogue with others about the dilemma. Only by careful exploration of the problem, aided by the insights and different perspectives of others, can we make good ethical choices in such situations.”

As a professional, does the situation confronting you pass your own ethical litmus test? Do you know enough about the situation to make an informed decision? Could there be an alternative outcome?

Don't hesitate to reach out to a peer or your regulatory board for advice.

A quote from Hibbett Neel, founder of engineering firm Neel-Schaffer, summarizes the importance of ethics to overall success: “Nothing is more critical to the prospect and the sustainability of an engineering organization than its good name. However, every day, engineering organizations put their reputations at risk because they don't fully understand or appreciate the ethical implications of employee conduct at all levels. The many years an organization has spent building its reputation and brand can be lost in an instant because of the actions of one employee or the organization itself.”

Essentially, it's easier to change jobs than it is to rebuild a high-level reputation once the foundation underneath it has crumbled.

In Alabama, businesses that offer to practice and the professionals who are licensed to do the work are bound by ethics to "be cognizant that their first and foremost responsibility is to the public health, life, safety, property, and

welfare." That's the paramount message for them to keep in mind when navigating gray areas. It's a message that can steer them toward firmer footing when ethical dilemmas leave them unsure. First, seek to do no harm.

It's not just a useful message for Alabama. It can help professionals across the United States see past the gray areas and focus on their responsibility to the public welfare.

FROM THE PRESIDENT

continued from cover

An important point to consider as we usher in a new century is how we as individuals can help NCEES meet its vision. Where will you fit in?

The contributions of standing committees and task forces are key to NCEES efforts to advance licensure in order to protect the public. These groups address issues related to the areas outlined in the vision and mission, including proposing changes to the *Model Law* and *Model Rules* as well as overseeing exam development.

In January, President-Elect Christopher Knotts, P.E., will issue a call for volunteers for the 2020–21 standing committees and task forces. President-Elect Knotts, who will make committee assignments and develop charges for the upcoming year, will email member board members, emeritus members, and associate members to ask them to complete a brief survey if they are interested in serving in the year ahead.

In 2019, NCEES implemented a new system for volunteering. Individuals now log in to the E3 customer management system to complete the committee preference survey. This system simplifies the process of volunteering since individuals no longer have to supply information that is already stored in their E3 profile.

I encourage you to consider volunteering to serve on a standing committee or task force. It is rewarding service for you personally—you get the opportunity to work with

dedicated professionals from across the country to make a unique contribution to your profession. Your board also benefits from your participation and increased knowledge about the issues affecting the Council.

You can find information on each of the standing committees and task forces in the About section of ncees.org. In deciding whether to volunteer and which committee you would prefer to serve on, consider your interests. NCEES has committees related to law enforcement, governance, and exam development, to name a few. Maybe you have an interest in finances or education? Consider how you could use your expertise and enthusiasm to help NCEES achieve its vision in the century ahead.

Theodore Roosevelt believed strongly that every man owes a part of his time and money to the industry in which he is engaged and should not withhold his support from an organization that is striving to improve conditions within his sphere. I heartily agree with that sentiment.

Maybe your interest is in something you already know how to do, or maybe you prefer to expand your horizons and participate in something you haven't tried before. Either way, I look forward to seeing you involved in NCEES. Be a part, not apart!

COMMITTEE FOCUS

NCEES committees and task forces begin work on 2019–20 agenda

WITH ITS COMMITTEES AND task forces addressing almost 70 charges this year, NCEES has a full range of issues to consider in 2019–20. President Dean Ringle, P.E., P.S. has assigned the 11 standing committees charges that focus on education, exams, enforcement, and other issues. He has appointed a task force to study issues related to public outreach. 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 are available in E3, the NCEES customer management system (click on MyNCEES at the top of ncees.org to access the system). The committees and task forces will present their preliminary findings at the combined zone interim meeting 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 2020.

Advisory Committee on Council Activities

Chair: Kelly Fedele, P.E., P.S.

Board of directors liaison:

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

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 *Manual of Policy and Position Statements* and recommends revisions.

The committee's charges for 2019–20 include considering if the *Bylaws* should be amended to add a ninth seat on the NCEES board of directors to be filled by a member board administrator. ACCA will also evaluate whether the *Model Law* and *Model Rules* should be amended less often than every year, which is the current practice. It will consider a schedule of every five years and recommend revisions as appropriate.

Committee on Awards

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

Board of directors liaison:

James Purcell, P.E.

Staff liaison: Sherrie Dyer, CAP-OM

The Committee on Awards will collect nominations for NCEES service awards to be presented during the 2020 annual meeting and recommend recipients to the board of directors. Nomination materials are available on ncees.org

under Board Resources. Nominations are due by January 31, 2020.

Committee on Education

Chair: Wendy Amann, P.E.

Board of directors liaison:

Marlon Vogt, 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, and foreign degree or unaccredited program evaluation.

This year, the committee will work with the Committee on Member Board Administrators to evaluate how NCEES addresses programs from Washington Accord signatories and recommend revisions as needed. It will also develop guidelines to assist member boards with identifying needs-based students and determining eligibility for waived or reduced exam fees.

Committee on Examination Audit

Chair: Christy VanBuskirk, P.E.

Board of directors liaison:

Christopher Duhamel, P.E., P.L.S.

Staff liaison: Lehmon Dekle, P.E.

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, it will audit the most recent administrations of the Fundamentals of Surveying exam as well as the following Principles and Practice of Engineering exams: Chemical, Control Systems, Industrial and Systems, Metallurgical and Materials, Nuclear, and Petroleum. It will also observe standard-setting studies for the PE Control Systems and PE Industrial and Systems exams.

Committee on Examination Policy and Procedures

Chair: Jeffrey Jones, P.L.S.
Board of directors liaison: Brian Robertson, P.E.
Staff liaison: Tim Miller, P.E.

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

This year, the committee's charges include reviewing the *NCEES Examinee Guide* for content and effectiveness. The committee will also review exam volumes regarding Examination Development Policy 8, Deleting/Combining/Renaming a Discipline or Module from the Examination Program, and provide recommendations to the board of directors.

Committee on Examinations for Professional Engineers

Chair: Carmine Balascio, Ph.D., P.E.
Vice chair: Mohammad Qureshi, Ph.D., P.E.
Board of directors liaison: Christopher Knotts, P.E.
Staff liaison: Tim Miller, P.E.

The EPE Committee oversees the development and scoring of the Fundamentals of Engineering and Principles and Practice of Engineering 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 2019–20 include implementing the plan for increasing exam volunteer diversity as outlined in the 2018–19 EPE Committee report. The committee will further develop guidelines for maintaining this plan in the future. It will also develop guidelines for recruitment, leadership, and membership for exam development committee volunteers.

Committee on Examinations for Professional Surveyors

Chair: Scott Bishop, P.S.
Vice chair: Aaron Morris, P.L.S.
Board of directors liaison: Timothy Lingerfelt, P.L.S.
Staff liaison: Tim Miller, P.E.

The EPS Committee oversees the development and scoring of the Fundamentals of Surveying and Principles and Practice of Surveying 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 work on increasing diversity of exam development volunteers by implementing the plan developed by the 2018–19 EPS Committee. The committee will also

develop and begin implementing a plan to restructure the PS exam into the following separately scored divisions, which delegates approved at the 2019 annual meeting:

- Core PS
- Boundary
- Public Land Survey System
- Mapping science
- Incidental drainage design

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 2018–19 audit and the organization's current financial condition and will work with NCEES leadership to recommend the operating and capital budgets for 2020–21.

Its other charges for the year include working with the EPS Committee to estimate exam fees when the Principles and Practice of Surveying exam transitions to a multidivisional examination. It will also review Financial Policy 9, Unbudgeted Expenditures, and propose an amendment to increase the approval amounts as appropriate.

Committee on Law Enforcement

Chair: Karl Tonander, P.E.
Board of directors liaison: Marlon Vogt, P.E.
Staff liaison: Bob Whorton, P.E.

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COMMITTEE FOCUS

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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*.

This year, the committee’s other charges include preparing educational materials to teach students and young engineering and surveying professionals about laws, rules, and ethics. It will also develop a user guide for Enforcement Exchange, the NCEES enforcement database.

Committee on Member Board Administrators

Chair: Heather Richardson

Board of directors liaison:

Brian Robertson, P.E.

Staff liaison: Stef Goodenow

The MBA Committee coordinates meetings for MBAs 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.”

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.

The committee’s charges for 2019–20 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 develop a timeline for the plan that would culminate during the 100th anniversary of NCEES at the 2020 annual meeting. The committee will also assist NCEES staff in developing a program of regular MBA video conferences or virtual MBA meetings.

Committee on Uniform Procedures and Legislative Guidelines

Chair: Lamberto (Bobby) Balli, P.E.

Board of directors liaison:

Timothy Rickborn, 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*, 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 2018–19 Committee on Education and approved by the Council at the annual meeting, and proposing amendments as appropriate.

Special Committee on Bylaws

Chair: Howard (Skip)

Harclerode II, P.E.

Board of Directors liaison:

Christopher Knotts, P.E.

Staff liaison: Davy McDowell, P.E.

President Ringle convened the Special Committee on Bylaws to amend the *Bylaws* to incorporate several changes to NCEES governance that delegates approved at the 2019 annual meeting. The committee’s charges for this year include reviewing the South Carolina resolution passed at the 2019 annual meeting concerning approval of changes to the NCEES *Engineering Education Standard* and *Surveying Education Standard*. The committee will provide recommendations to the board of directors as appropriate.

Public Outreach Task Force

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

Board of directors liaison:

James Purcell, P.E.

Staff liaison: Nina Norris

President Ringle is continuing the Public Outreach Task Force in 2019–20 to look for opportunities to advance licensure for engineering and surveying. The task force will develop plans to inform member boards about NCEES staff outreach activities and to get member boards involved in outreach activities in their own jurisdictions.

MEMBER BOARD BRIEF



DAVID JACKSON, ESQ.

MAINE STATE BOARD OF LICENSURE FOR
PROFESSIONAL ENGINEERS EXECUTIVE
DIRECTOR

Refining our recipes for public protection

IF YOU ASK 69 CHEFS HOW TO COOK A STEAK, YOU WILL hear a lot of different answers. Each will have a tried-and-true recipe that he or she is convinced is best, covering every aspect from cooking method to temperature to seasoning. Given the effort that it takes to perfect that process, it's understandable that people might be reluctant to change their recipe.

Similarly, all 69 NCEES member licensing boards have a commitment to safeguarding the health, safety, and welfare of the public, but the particulars may differ depending on which board you ask. Each board has its own recipe to achieve public protection, honed through decades of effort. Given the effort it takes to perfect the process, it's understandable that boards might be reluctant to change their recipe.

To borrow a phrase from Isaac Newton, we stand on the shoulders of giants. As the 100th anniversary of NCEES nears and we review where we are and where we hope to go, we should value the efforts of those who came before us. It's also important to review our recipes and update where needed.

Licensing boards were legislated into existence to protect the public. Licensing boards, in turn, created NCEES to help them fulfill these missions and facilitate license mobility. The people who serve on boards or work as staff are deeply committed to their public safety mandate. It is important to recognize this common commitment to the public and to remember that while boards may have differences of opinion about how to accomplish that goal, the shared motivation and commitment to public safety is a foundation on which to build.

As we approach the NCEES centennial, it is a good time to review our statutes, rules, policies, and procedures to identify what we can do in our jurisdiction to simplify, streamline, or improve the licensure process.

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Over the years, the boards of NCEES have voted to approve *Model Law* and *Model Rules* that are then adopted in some measure by each sovereign jurisdiction. We might decide that this year we will review *Model Law* and *Model Rules* to see if there is something that can be either added or subtracted to bring us any closer to the models.

Another area we can examine is board policy and procedure. It is generally easier to make a procedural change than to change rule or statute, so boards can examine policy and procedure to see if some processes can be sped up or simplified without impacting public safety and without requiring lengthy rulemaking or legislative processes.

Board members should also consider increasing their participation in NCEES activities, running for office, volunteering to serve on committees, or becoming familiar with that long list of NCEES acronyms.

For those who are new to boards, whether as members or staff, it may be helpful to review the written history of NCEES, as well as the minutes and *Action Items and Conference Reports* of the past few annual meetings, so that you know what the conversation has been and the direction it is going. Talk to members and staff who have been around for a while; they are a valuable resource in becoming familiar with the organization. Ask lots of questions. Be an active part of improving the process and upholding the shared commitment to public protection.

HEADQUARTERS UPDATE



DAVID COX
NCEES CHIEF
EXECUTIVE OFFICER

Make a difference during Engineers Week and Surveyors Week

THIRTY YEARS AGO, DISCOVERE ISSUED THE FIRST-OF-its kind nationwide call to ask engineers to visit students in K-12 classrooms. DiscoverE data suggests that these efforts are working: 84 percent of educators said a visit from an engineer or other technical profession helps students learn about engineering careers. But there's more work to do. DiscoverE also reports that 74 percent of teachers said that their students do not have many opportunities to meet an engineer or technical professional.

NCEES is preparing to participate in two important events to connect children with professional engineers and surveyors. In 2020, DiscoverE Engineers Week will be held February 16–22, and National Surveyors Week will follow March 15–21. Platforms like these need people to inspire. The ability to give every student engineering and surveying experiences depends on volunteers like you.

Pioneers of progress

DiscoverE Engineers Week is a time to celebrate engineers making a difference in our world, to increase public awareness about the need for engineers, and to bring engineering to life for children, educators, and parents.

As part of our 2020 centennial celebration, NCEES is the premier sponsor for the Future City Competition. NCEES is also sponsoring the Best Land Surveying Practices special award at the regional and national competitions. NCEES is organizing volunteer judges for these awards at regional competitions in January and at the national finals, which will be held February 17–19 in Washington, D.C. (See the Future City article on page 9 for information on volunteering as a regional judge.)

NCEES is also supporting Discover Engineering Family Day, which will be held February 15 at the National Building



Children design flinkers, objects that neither sink nor float—but flink—in water, at DiscoverE Family Day 2019. NCEES partnered with volunteers from the Society of American Military Engineers Northern Virginia Post to provide this hands-on activity at the Washington, D.C., event.

Museum in Washington, D.C. We will have two engaging hands-on activities that promote engineering and surveying. Both are accessible and fun for all ages.

The 2020 EWeek theme is Pioneers of Progress. Engineers are certainly that. We need to lend a hand to celebrate the contributions of engineering to our society and bring out the engineer in every child. DiscoverE.org has information on outreach opportunities and hands-on activities and resources that you can download. DiscoverE's *Ultimate How To Guide for Volunteers* breaks down how to organize a classroom visit, what to say, and how to lead activities. These resources make it easy to get involved and promote the profession.

Spotlight on surveyors

The National Society of Professional Surveyors sponsors National Surveyors Week to recognize and promote the surveying profession through education, media, and public service. Resources and outreach opportunities are available through NSPS.

The NSPS National Surveyors Week Volunteer Kit can help you organize and promote surveying activities. The kit focuses on Surveyors Week, but it also includes information on year-round outreach opportunities, including helping Scouts earn the surveying merit badge. This resource is available at nsps.us.com.

The NCEES surveying outreach activity X Marks the Spot is available on our outreach fulfillment site. Member boards

can request the activity materials in the Member Resources section of ncees.org (see Board Resources, Outreach).

As leaders in the professions, we have a responsibility to spark excitement for engineering and surveying in our youth. We do this by showing them that engineers and surveyors are innovators, creators, and protectors. Take advantage of these outreach opportunities and show your community how these professions are making peoples' lives safer and better.

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 the NCEES Best Land Surveying Practices special award for regional competitions across the country in January 2020.

About the competition

The Future City Competition is a national program in which middle-school students 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 to build tabletop scale models to present at regional competitions.

The Best Land Surveying 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. Through its sponsorship of this award at national and regional competitions, NCEES introduces the surveying profession to more than 40,000 students annually.

"When the students are designing their city models and planning building placement and green space for specific areas, that's surveying," explained Bradley Roberts, P.L.S., who has represented NCEES as a Future City special award judge since 2017. "Not all students understand that this is surveying, so as a Future City judge for the surveying



Students at the 2019 Future City national finals explain to NCEES judges how they incorporated surveying practices into their design. NCEES sponsors the Best Land Surveying Practices special award at regional and national Future City competitions.

award, it's a good opportunity to introduce those students to the profession."

General information for volunteer judges

Special awards judging is an all-day commitment. Volunteers will judge tabletop city models, interview the individual teams, and may present the winning team its special award. NCEES will provide sample questions and a scoring rubric. NCEES also will reimburse mileage and incidental expenses related to the regional competition.

If you would like to share your enthusiasm for the surveying profession by serving as a regional judge, contact NCEES staff at outreach@ncees.org. For a list of regional competition locations and dates, visit futurecity.org/regions.

Board approves 2019–20 exam item costs

THE NCEES BOARD OF DIRECTORS RECENTLY APPROVED values for each exam item for fiscal year 2019–20, 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 2019–20:

- CBT item cost: \$2,123
- Pencil-and-paper exam item cost for multiple-choice items: \$1,897
- Pencil-and-paper exam constructed response: \$17,448

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.

2020 approved calculators

NCEES recently approved the calculator models that can be used on computer-based and pencil-and-paper exams in 2020:

- 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 2020 exam changes

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

- The Principles and Practice of Engineering Chemical exam has new specifications starting in January 2020.
- With the final pencil-and-paper administration completed in October, registration for the computer-based PE Mechanical exam opened November 4. Examinees can now schedule CBT appointments, which will be available year-round starting April 1, 2020.
- The PE Civil exam's transportation module has updated design standards starting in April 2020.
- The Fundamentals of Engineering and Fundamentals of Surveying exams will have new specifications starting in July 2020. The specifications for these exams will be updated on ncees.org January 1, 2020.

CBT conversion timetable

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

NCEES preparing for treasurer election in 2020

NCEES WILL ELECT A NEW TREASURER AT ITS 2020 annual meeting in August. To allow member boards time to consider nominations ahead of the filing deadline, NCEES is reminding boards about the upcoming elections.

Qualifications and nominations process

The treasurer serves as a member of the board of directors and oversees the financial operation of the Council. The position is a three-year term. It is open to current NCEES member board members who are professional engineers, professional surveyors, or public members. The treasurer

is an at-large position and the only position on the board of directors that a public member may hold.

The NCEES *Bylaws* states that any member board nominations for treasurer must be filed with the NCEES CEO at least 60 days before the annual meeting (by June 26, 2020). The *Bylaws* also says that any delegate may make nominations for treasurer from the floor. Such nominations must meet *Bylaws* requirements and be seconded by at least four member boards. For the full provisions related to the treasurer position, see the *Bylaws* at ncees.org/governance.

UPCOMING EVENTS

December 5–7

PE Structural Exam Scoring
Clemson, South Carolina

January 2–4

PE Electrical Exam Meeting
Clemson, South Carolina

January 10–11

FE Exam Meeting
Clemson, South Carolina

January 15–16

PE Petroleum Exam Meeting
Clemson, South Carolina

January 17–18

EPE Committee Meeting
Clemson, South Carolina

January 24

UPLG Committee Meeting
San Francisco, California

January 24–25

ACCA Meeting
Palm Springs, California

PE Civil Exam Meeting
Clemson, South Carolina

EPP Committee Meeting
San Antonio, Texas

January 27–28

Exam Audit Committee
Meeting
Clemson, South Carolina

January 29–30

EPS Committee Meeting
Clemson, South Carolina

January 31–February 1

FS and PS Exam Meeting
Clemson, South Carolina

MEMBER BOARD NEWS

CALIFORNIA

Jerry Silva is no longer a member.

DELAWARE PE

Nicholas Dean and Michael Siwek are new appointees. William Balascio and Soheil Gharebaghi are no longer members.

FLORIDA PS

Iarelis Hall is a new appointee. Deborah Hill is no longer a member.

MONTANA

Sam Hunthausen is the new board administrator, replacing Ian Marquand. Tim Fassbender is a new appointee.

OREGON

Jason Barbee is the new board administrator. Jenn Gilbert is the deputy administrator.

RHODE ISLAND PE

The board held elections in October 2019. Patricia Walker is now chair; she is the board's first female chair. Wayne Moore is vice chair, and Patricia Steer is secretary.

TENNESSEE PE AND PS

Jennifer Peck is the new administrator for the PE and PS boards, replacing Roxana Gumucio.

EMERITUS

The board of directors approved the following emeritus members at its November meeting. **Delaware PE:** Soheil Gharebaghi; **Kentucky:** James Donald Pedigo

NCEES needs contributions for centennial exhibit

NCEES IS PLANNING AN EXHIBIT FOR ITS CENTENNIAL celebration in 2020. The display will be featured at the 2020 annual meeting in Chicago. NCEES needs help from member boards to create the exhibit, which will celebrate 100 years of advancing licensure for engineers and surveyors. The organization is asking to borrow items that depict significant accomplishments in the organization's history. Examples include first state licenses for professional engineers or surveyors, proclamations marking events in Council history, and photographs from exam development or standing committee meetings.

Please direct questions to Katie Kelley, NCEES marketing and outreach coordinator, at outreach@ncees.org.

Dean Ringle, P.E., P.S.
President
Ohio

Christopher Knotts, P.E.
President-Elect
Louisiana

James Purcell, P.E.
Immediate Past President
New Jersey

Timothy Rickborn, P.E.
Treasurer
South Carolina

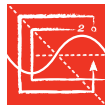
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NCEES

P.O. Box 1686
(280 Seneca Creek Rd)
Clemson, SC 29633 USA
864-654-6824

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NCEES publishes 2019 Engineering Award Book, opens 2020 competition

NCEES has published the 2019 NCEES Engineering Education Award Book to celebrate this year's winners and show how each winner is engaging, enriching, and inspiring the next generation of professional engineers. The award promotes understanding of the value of licensure and encourages partnerships between the engineering profession and education. 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 the University of Nebraska-Lincoln's Charles W. Durham School of Architectural Engineering and Construction, which won the \$25,000 grand prize for its project, *Jack H. Miller Center for Musical Arts*.

2020 award cycle

As it celebrates the 2019 winners, NCEES invites EAC/ABET-accredited programs from all engineering disciplines to compete for the 2020 awards:

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

Projects must be in progress or completed by March 9, 2020. The entry deadline is May 2, 2020. Entry information and promotional materials, including a PDF of the NCEES Engineering Education Award Book, are available at ncees.org/award.

Licensure

EXCHANGE

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Comments or questions can be directed to
editor@ncees.org.

David Cox, CEO and Publisher

Keri Anderson, Manager of
Corporate Communications

Jennifer Williams, Senior Editor

Katy Goforth, Senior
Communications Specialist

Brittany Wilson, Graphic Designer

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