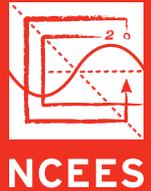


Licensure EXCHANGE

AUGUST 2021

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DAVID COX

NCEES CHIEF EXECUTIVE
OFFICER

HEADQUARTERS UPDATE

The growing threat of ransomware

YOU HAVE LIKELY SEEN HEADLINES ON ransomware or cyberattacks in the news and wondered what exactly they are or how they may affect your organization. The recent Colonial Pipeline cyberattack quickly illustrated just how dangerous such attacks can be on our country's aging infrastructure.

Colonial is one of the nation's largest pipelines. It carries refined gasoline from Texas up the East Coast to New York. The attack forced it to shut down 5,500 miles of pipeline, causing a fuel shortage and panic in the Southeast as prices spiked and many gas stations ran out of fuel. Colonial ended up paying a \$4.4 million ransom to regain access to its critical IT systems that control the pipeline. In the weeks after fuel was once again flowing through the pipeline, the U.S. Department of Justice was able to trace and recover much of the ransom payment, but experts agree that we should not expect this to be the norm.

What is ransomware?

Ransomware is most commonly defined as malicious software (malware) used in a cyberattack to encrypt the victim's data with a key known only to the attacker, thereby rendering the data unusable until the victim pays a ransom. These payments are typically made in cryptocurrencies, usually Bitcoin, as they are less trackable than standard banking payment systems. After the initial infection, ransomware will often attempt to spread to other network-connected systems and shared storage devices.

How does it work?

Once a machine is infected, the ransomware identifies common file types on the host computer, being careful not to mess with core operating system files. Leaving the operating system intact allows the ransomware to continue its duty of encrypting all valuable files on the machine while allowing the system to remain stable in the process. Once the encryption process is complete, the user is shown a file or notification containing instructions for paying the ransom for the decryption key to regain access to their files. This could be access to files on an individual computer or any combination of all systems and servers connected to that network.

Suppose the user or organization doesn't have a solid backup strategy. In that case, they are often forced to pay the ransom to regain access to their files. In many cases, even if the ransom is paid, users are rarely able to decrypt everything and often experience some permanent data loss.

How to prevent attacks

An organization can use various tactics to help prevent or lessen the impact of ransomware attacks. There are two

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FROM THE PRESIDENT



CHRISTOPHER KNOTTS, P.E.
NCEES PRESIDENT

Engineering and surveying professions stronger because of individual service

AS I WRITE MY LAST PRESIDENT’S ARTICLE, WE ARE approaching our annual meeting in New Orleans. This will be our first large gathering since the 2019 annual meeting. I look forward to addressing business in a somewhat normal environment. Not all boards will be able to attend and some may choose not to, but it is still a step toward normalcy.

As we prepare to close out this year, I must thank the committee chairs and members for their tireless dedication and service to NCEES. They had extra charges to address this year, as they reviewed the reports and proposed motions that were rolled over from 2019–20. Their commitment shined through more than ever during COVID-19, with virtual meetings, conference calls, Basecamp communications—whatever it took to get the job done. I thank them for their service.

Serving the professions

Giving back to one’s profession is an important part of being a professional. I can attest to the lasting influence.

About a year into my career, I worked at a small civil consulting firm in Baton Rouge, Louisiana. The owner, Carter Brown—a true gentleman—was in the twilight of a long, outstanding engineering career. He had been involved in multiple engineering organizations and had the plaques on his wall recognizing that leadership.

One day, Mr. Brown informed me that he and I would be attending a lunch meeting of the American Society of Civil Engineers because the New Orleans District Corps of Engineers colonel was speaking. I said that I wasn’t comfortable attending because I was young and didn’t know many of the more experienced engineers. His immediate

We talk a lot about involving younger professionals and increasing volunteer diversity at NCEES, but are we each doing our part?

response was, “I don’t remember asking if you wanted to go. This is what we do as professionals!”

I took that hint and much more from Mr. Brown during the next four years that I worked for him:

- Get involved in your profession.
- Mentor less-experienced professionals.
- Give back to the profession whenever possible.

Those lessons have guided me for more than 30 years.

We talk a lot about involving younger professionals and increasing volunteer diversity at NCEES, but are we each doing our part? I encourage you to get involved in your profession beyond your office walls, mentor those who are younger or less experienced, and give back to your profession. To that end, I encourage each of you to ask yourself, are you a Mr. Brown to other professionals? Your influence could make a real and lasting difference.

I look forward to working with member boards in New Orleans. Thank you for allowing me to serve as your president.

HEADQUARTERS UPDATE

continued from cover

main areas to focus on: the end users themselves and the overall network infrastructure.

The attack vector, or access point, is often an unknowing end user through a phishing email or malware-infected website. It is essential for users to never click on unsafe links or open suspicious email attachments. To help ensure an email is trustworthy, pay close attention to the sender's and make sure their address is correct. Often, the display name is as expected, but the email address itself will be a letter or two off or contain additional erroneous characters. Raising employee awareness on these matters and having current computer-use policies can go a long way toward prevention.

On the infrastructure side, some things that can help are

- Keeping applications, browsers, and operating systems patched with the latest updates and not using outdated web browsers that no longer receive security updates
- Keeping network firewalls/switches/routers patched and activating optional services like advanced malware protection and known fraudulent website blocking
- Enabling security functionality on email gateways, including blocking malicious attachments, Sender Policy Framework—or SPF—verification to mitigate email spoofing, and employing a modern, aggressive spam-blocking system
- Regularly backing up all critical systems and data as well as periodically testing backups to ensure that all data can be restored and keeping a copy of backups off-site or off-line to prevent data loss or infection spreading to backups

How to respond to a ransomware infection

If an infection is discovered, isolate the infected machine from both wired and wireless networks as quickly as possible to prevent the infection from spreading. Ensure that all external storage devices are removed from the machine and power it off. Once this is completed, immediately report the

incident to the IT helpdesk or the security and compliance office so that they can follow their procedures for containing the situation and recovering the data.

Top government officials are starting to realize the threat these types of attacks have on our vulnerable infrastructure. DOJ guidance released in June 2021 cites Colonial as an example of the “growing threat that ransomware and digital extortion pose to the Nation.” A recent Reuters article reported that the Justice Department is raising ransomware attack investigations to a priority similar to terrorism following this recent Colonial attack and the growing damage caused by cybercrime.

The sad reality is that these types of attacks are likely to continue because they work time and time again. Organizations must implement strategies to prevent such attacks and educate themselves on effective responses before an attack happens.

New CFO



Delegates may spot a new face at the 2021 annual meeting this August—our new chief financial officer, Joe Scheving, CPA. Joe joined NCEES in August 2020. He worked with former CFO Betsy Pearson, CPA, until her retirement in December 2020.

A native of East Grand Forks, Minnesota, Joe is a graduate of the University of North Dakota, where he received a bachelor's degree in accounting. Prior to joining NCEES, he was CFO of the YMCA of Greenville for 10 years.

NCEES prepares for 100th annual meeting

AUGUST 19–20 MARKS A MILESTONE FOR NCEES—THE organization will hold its 100th annual meeting on this date in New Orleans, Louisiana.

The ongoing response to COVID-19 prompted NCEES to limit attendance for the meeting. Each member board is eligible to send three delegates. These delegates can be members or associate members. The current and incoming board of directors and the 2020–21 zone officers and committee chairs will also participate in the meeting.

Although in-person meeting attendance is limited, the organization has held a range of virtual events to engage stakeholders, including member boards, past presidents, and engineering and surveying professional societies.

The latest information on all annual meeting-related activities is posted on the annual meeting webpage (see Board Resources at ncees.org/resources and select “Annual meeting”; login required).

Officer and committee reports

The 2021 *Action Items and Conference Reports* is available for download on the annual meeting webpage. This publication includes reports from NCEES officers as well as the committees and task forces. It also details the motions that delegates will vote on at the annual meeting.

A video podcast with Chief Financial Officer Joe Scheving, CPA, is also posted on this webpage. In it, he explains the process for developing the proposed 2021–22 NCEES operating and capital budgets. Delegates will vote on adopting these budgets at the annual meeting.

Professional forums

NCEES typically holds forums for engineering, surveying, and member board administrators at the annual meeting before the business sessions begin. To allow for wider participation, NCEES moved the forums to a virtual format for 2021. The organization held the following forums to help boards prepare for the annual meeting and discuss issues related to the professions of engineering and surveying:

- Engineering Forum: July 27
- Surveying Forum: July 28
- Member Board Administrators Forum: July 29

Recordings of these forums are posted on the annual meeting webpage.

A series of forums for law enforcement staff will be held September 8, October 13, and November 10. Plans for these monthly forums are still being finalized.

Past presidents and POLC discussions

Past presidents of NCEES and leadership of the engineering and surveying societies that are members of the Professional Organizations Liaison Council (POLC) are normally invited to attend the annual meeting. While in-person attendance is limited this year, NCEES scheduled two virtual discussions to get feedback on motions ahead of the annual meeting.

Past presidents met virtually on July 7. POLC presidents, executive directors, and representatives met on July 21.

Professional development

Workshops focused on professional development are typically part of the annual meeting agenda. NCEES switched to virtual professional development offerings for law enforcement staff and member board administrators in 2021.

A law enforcement workshop on investigative interviewing techniques was held June 15–16. A member board administrator professional development workshop will be held August 5 from 1:00 to 4:30. This virtual presentation will focus on helping different generations work together effectively.

Annual meeting

NCEES member boards will meet August 19–20 to decide issues of importance to the organization and the professions of engineering and surveying. During the business sessions, officers and committee chairs will provide reports and present motions for Council vote. The four NCEES zones will also hold their respective annual meetings.

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HEATHER RICHARDSON

ARKANSAS STATE BOARD OF LICENSURE FOR
PROFESSIONAL ENGINEERS AND PROFESSIONAL
SURVEYORS EXECUTIVE DIRECTOR

NCEES resolution of cooperation promotes licensure mobility and reduces barriers

IN ANTICIPATION OF THE 100TH ANNIVERSARY OF NCEES in 2020, the 2018–19 Committee on Member Board Administrators (MBA) was charged with developing a long-term strategy that would promote licensure mobility and reduce barriers to licensure. This became a timely charge not just because of the planning of the NCEES centennial but also because many state boards anticipated and witnessed an attack on licensure’s public protections through sunset reviews and/or legislative sessions.

In 1920, NCEES was created to assist the state licensure boards with a mission of advancing licensure to safeguard the health, safety, and welfare of the public. The MBA Committee found that NCEES’ historic mission of assisting licensure boards while protecting the public was relevant and needed to be explored. The committee determined that NCEES could promote a nonbinding agreement between member boards that would affirm to the public the responsibility of licensure boards to license qualified applicants within their jurisdictions while keeping with NCEES’ mission.

In recent years, many of the widespread legislative attacks on licensure have been regarding member boards’ reciprocity or comity licensure and the restrictions some boards may have on nonresident applicants. The MBA Committee acknowledged that each member board has its own statutory authority, regulations, and rules regarding licensure and wanted to create recognition of each state’s uniqueness while promoting a unified message.

The Resolution of Cooperation to Facilitate Interstate Licensure for Professional Engineers and Professional Surveyors, or ROC, was written to encourage and give guidance to member boards to regularly review their statutes,

The MBA Committee acknowledged that each member board has its own statutory authority, regulations, and rules regarding licensure and wanted to create recognition of each state’s uniqueness while promoting a unified message.

rules, and policies to identify and—if possible—reduce potential barriers to licensure. The MBA Committee drafted the nonbinding resolution with the individual boards in mind and aspired that all boards could be signatories. However, it anticipated that some boards may have restrictions regarding an agreement of this nature.

In 2019, after the MBA Committee received comments from the member boards on the ROC draft, the committee met again and discussed what changes needed to be made while keeping with the original intent and charge. After the NCEES board of directors voted to accept the MBA Committee’s draft, a final version was to be presented to the member boards at the joint zone interim meeting scheduled for April 2020. In addition, a signing ceremony was to take place at the 100th anniversary of NCEES during the annual meeting scheduled for August 2020.

However, a global pandemic in 2020 changed NCEES’ plans. Travel restrictions delayed the acknowledgment of the ROC until 2021. NCEES Chief Executive Officer David Cox presented the final resolution to the member boards at the 2021 virtual zone interim meetings. It will also be presented at the 2021 annual meeting in New Orleans.

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MARC BARTER, P.E., S.E., SECB

FORMER ALABAMA STATE BOARD OF
LICENSURE FOR PROFESSIONAL ENGINEERS
AND SURVEYORS MEMBER

Professionalism embodies ethical decision making and protecting the public

SHOULD THE CLIENT WHO WANTS TO PAY LESS BE provided the same services as the client who is willing to pay a reasonable fee for services? Are engineers ethically allowed to contract to provide fewer services than the standard of care might require? If so, should the owner, who is often not the engineer's client, be made aware of the necessary services not being provided? The answers to these questions often elude engineers today and keep them up at night.

Many times, an engineer is the most qualified professional to perform a service but is not the obvious low-cost provider. A project's lowest cost is often obtained when the engineer of record provides the design but the responsibility for providing the services is transferred to a third party through performance specifications. Less often, but becoming more popular, engineers contend with contractor-initiated "value-engineered" alternatives, which seldom have any relationship to value, aside from increased contractor profits.

The engineering profession has a direct correlation with public safety. If engineers reduce services to suit client budgets, they have to make sure public safety is not jeopardized. While the client might be happy with paying less and getting less, would a jury understand this concept when it is presented by a defense attorney? The public is generally not familiar with the term *scope of work*. Public perception is that engineers support projects—period. Engineers are believed to be the responsible party for all things associated with engineering—as well as any loosely related discipline—in part because they are educated professionals with insurance. The participation of engineers

The engineering profession has a direct correlation with public safety. If engineers reduce services to suit client budgets, they have to make sure public safety is not jeopardized.

on a project equates to an implied warranty. Combine "implied warranty" with the legal doctrine of "joint and several," and engineers have a minefield laid out for them. This is particularly true during construction of a project, where the engineer's influence has steadily been eroded by a plethora of project delivery methods.

Clients often select the services that they want and not necessarily the services that they need. In some cases, services are linked. A client can no more purchase a design without paying for the time necessary to prepare the calculations than a fast-food customer can order fried chicken without the crust. Yet engineers must ask themselves, if a client doesn't want to pay for an engineer's time to attend review meetings, assist during the procurement phase, and make site visits during construction, will the public be at risk if said engineer does not furnish those services?

Clients should have the right to purchase only the services they would like. However, in the interest of protecting the public, engineers must make it abundantly clear as to what they are providing and—equally important—what they are not providing, and the client must understand the ramifications of ordering à la carte.

Some governmental agencies provide procurement and construction administration services and hire the consultant only to prepare the technical construction documents. This system might work well with an entity that has a technical staff but probably will not work as well with one that does not. Therefore, an engineer's response to the proposed scope of services varies, depending on the client. Regardless, should the design be so complex that its proper execution cannot be ensured without the engineer's participation during construction—such that safety would be compromised by the engineer's absence—then the engineer is ethically bound to insist on participation during construction or decline the contract.

The engineer's compass has to be—first and foremost—protection of the public, regardless of financial considerations. Engineers should not provide incomplete services just because that is all that is requested or because

they are unable to negotiate a proper fee for all of the services they believe are required. Furthermore, engineers should not abuse performance specifications (for example, off-load some of the design to the contractor via the contractor's suppliers). This arrangement may have merit in some instances, but too often, the individual supplier performing the design is less knowledgeable than the engineer of record and may even be unlicensed, resulting in plan stamping—a topic for another day.

Engineers have an ethical responsibility to protect the public, but it is not their only responsibility. When engineers are undercompensated or pressed to do less than is wise, they have an important choice to make. Professionalism includes ethical decision making, public protection, and balancing the needs of all parties, including family and employees. Sometimes a professional needs to stop and think—and maybe let one job go by.

ANNUAL MEETING

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The annual meeting business sessions will be livestreamed so that member board members can watch the proceedings remotely. A recording of the webcast will also be posted on the annual meeting webpage.

To help new members and staff prepare for the meeting, NCEES will hold a first-time attendee orientation August 4 from 2:00 to 3:30 p.m. (EDT). A recording will be available to everyone—including those who plan to watch the annual meeting webcast—on the annual meeting webpage by August 6.

“We are excited and honored to be hosting our organization's 100th annual meeting this year with a range of virtual and in-person events,” NCEES President



Christopher Knotts, P.E., said. “We have many contributions to celebrate as we look back at our history, and we have much to look forward to as we continue to advance licensure for engineers and surveyors.”

Grand prize winners in NCEES Engineering and Surveying Education awards named

NCEES ANNOUNCED THE WINNERS OF ITS 2021 Engineering and Surveying Education awards in July.

Engineering Education Award

NCEES awarded its \$25,000 Engineering Education Award grand prize to the Milwaukee School of Engineering Civil and Architectural Engineering and Construction Management Department.

For the school's project, *Sustainable Improvements for Guatemalan Cardamom Spice Dryers*, a team of primarily mechanical engineering students collaborated with professional engineers and other professionals to develop a solution that will reduce deforestation and improve the overall quality of life in rural Guatemalan communities. The jury praised the project for providing an ingenious solution to an environmental issue.

This award recognizes engineering programs that encourage collaboration between students and professional engineers. EAC/ABET-accredited programs from all engineering disciplines were invited to submit projects that integrate professional practice and education.

The jury selected seven winners to receive \$10,000 awards:

- California State University, Los Angeles Department of Civil Engineering | *Sustainable Recycled Water Recharge Program*
- Christian Brothers University Department of Electrical and Computer Engineering and Department of Mechanical Engineering | *GO BaBy Go—MROC*
- George Mason University Sid and Reva Dewberry Department of Civil, Environmental, and Infrastructure Engineering | *Water Supply, Distribution, and Storage, San Pablo de Amali, Ecuador*
- Lawrence Technological University Department of Civil and Architectural Engineering | *Oakland University Interdisciplinary Research Center*

- Seattle University Department of Civil and Environmental Engineering | *Home for the Homeless Using Cross Laminated Waste Stream*
- University of Nebraska–Lincoln Charles W. Durham School of Architectural Engineering and Construction | *Virginia Tech War Memorial Hall: Integrative Team Design*
- University of Wisconsin–Madison Department of Civil and Environmental Engineering | *Village Stormwater Mitigation*

Profiles of the Engineering Education Award winners will be posted as available at ncees.org/award.

Surveying Education Award

The University of Maine Surveying Engineering Technology program is the \$25,000 grand prize winner of the 2021 NCEES Surveying Education Award. The jury praised the program for its licensed faculty and online programs at all levels.

This award recognizes surveying programs that best reflect NCEES' mission to advance licensure for surveyors in order to safeguard the health, safety, and welfare of the public. Jurors considered criteria such as student outcomes and involvement, outreach and recruitment, and licensure promotion.

The jury also chose six programs to receive the following awards:

\$15,000 winners

- Ferris State University School of Engineering and Computing Technology | Surveying Engineering program
- New Mexico State University Department of Engineering Technology and Surveying Engineering | Geomatics/Surveying Engineering program
- Nicholls State University Department of Applied Sciences | Geomatics program

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New Records option aims to support license mobility for military families

IN FEBRUARY 2020, THE U.S. DEPARTMENT OF DEFENSE published a report entitled *Military Spouse Licensure: State Best Practices and Strategies for Achieving Reciprocity*. The publication was in response to the reported 25 percent unemployment rate within the highly mobile military spouse population. In discussing how state regulators and legislatures could best assist the group, the report covered license reciprocity, state best practices, and methods to assess mobility, ranging from no portability to licensure compacts.

Military families are a subset of the American population and have served as a signifier for the current state of national mobility for several state legislatures. In its report, the DOD states that military spouses “represent the ‘canary in the coal mine,’ clearly demonstrating the importance of license portability in maintaining a career in a licensed occupation.” Issues identified by the DOD include drastic differences in licensure requirements across states, difficulty measuring state-to-state competency levels, and maintaining documentation to substantiate applicant experience.

The report includes research by the Center for Research and Outreach (REACH) at the University of Minnesota. REACH conducted a 50-state review of laws enacted and an assessment of six occupational boards: cosmetology, dental hygiene, massage therapy, mental health counseling, occupational therapy, and real estate. REACH concluded that legislation featuring either *shall* or *may* could impact the degree to which boards had discretion in implementing enacted laws and that laws with the term *substantially equivalent* could potentially delay military licensure processes, due to state-by-state inconsistencies.

NCEES introduced a new option for its Records program in April to assist military families with comity licensure.

“The transition challenges faced by military members and their families are unfortunate and present legitimate issues for a true national mobility process, but the new Records program option should make their transitions a little easier.”

Active-duty military and their spouses are now eligible to transmit their NCEES Record to a state licensing board at no charge when military orders require them to relocate to that state.

An individual’s NCEES Record is a verified compilation of his or her official academic transcripts, employment history, professional references, and exam results. It is commonly used by licensed engineers and surveyors to document completion of the education, experience, and examination requirements shared by all U.S. engineering and surveying licensing boards.

NCEES Chief Executive Officer David Cox explained how the Records program can help mitigate some of the issues outlined in the DOD report. “Once a Record is established, most of the documentation needed for comity in all U.S. states and territories is included and applicants do not have to maintain their documents,” he said. “The transition challenges faced by military members and their families are unfortunate and present legitimate issues for a true national mobility process, but the new Records program option should make their transitions a little easier.”

NCEES OUTREACH

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

Advance podcast

Catch up on *Advance: An NCEES Podcast* at ncees.org/podcast. The latest episode features Christine Gayron, P.L.S., president and visionary of GdB Geospatial. She shares how her love of mapping and a geology degree brought her to a career in surveying, acquiring her P.L.S., and eventually becoming an owner of one of the largest surveying firms in the United States.

NCEES President-Elect Brian Robertson, P.E., recently sat down for an *Advance* interview on the role of state boards in engineering and surveying licensure. A special NCEES-focused episode is also posted at ncees.org/resources/podcast (Member Resources login required). In it, Robertson provides insight into his background, interests, and vision for the organization as he prepares to serve as NCEES president beginning in August 2021.

Engineer and surveyor profiles

Check out the latest surveying profile, featuring Kayce Keane, P.L.S. Keane shares what it is like to be a member of NCEES through the Colorado board and how she stays active in the surveying profession through her engagement with the surveying community.

The latest engineering profile features Kori McKenzie, P.E. She discusses how she became interested in engineering, her responsibilities as a site civil engineer, and the importance of professional licensure on public safety.

Profiles are posted at ncees.org/surveyor-profiles and ncees.org/engineer-profiles.

CLSA chapter meeting

Western Zone Vice President Scott Bishop, P.S., and Marketing and Outreach Coordinator Marisa Trzemzalski represented NCEES at a virtual meeting of the California Land Surveyors Association Santa Clara/San Mateo Chapter in June. They discussed NCEES exams and the promotion of the surveying profession.

AWARD WINNERS

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\$10,000 winners

- Florida Atlantic University College of Engineering and Computer Science | Department of Civil, Environmental, and Geomatics Engineering
- North Carolina Agricultural and Technical State University College of Science and Technology | Department of Built Environment

- Oregon Institute of Technology College of Engineering, Technology, and Management | Geomatics program

Profiles of the Surveying Education Award winners will be posted as available at ncees.org/surveyingaward.

MEMBER BOARD NEWS

ALASKA

Arpad Magyar is no longer a member.

DELAWARE PS

Daniel Simmons is a new appointee.
James Bielicki is no longer a member.

LOUISIANA

Emeritus member Samuel Sullivan Jr. passed away April 23 at the age of 86. Sullivan was a subject-matter expert for the Principles and Practice of Engineering Chemical exam for almost 30 years. He participated in several NCEES committees during his tenure on the Louisiana board, including chairing the Committee on Examinations for Professional Engineers. For his contributions to NCEES and his board, Sullivan received the NCEES Distinguished Service Award in 1998 and the NCEES Distinguished Examination Service Award in 2013.

MARYLAND PE AND PS

Raquel Meyers is now acting member board administrator for the PE and PS boards, replacing Joseph Cullingford.

MICHIGAN PE

Dima El-Gamal, Nancy McClain, Dietta McKinney, and Dax Richer are new appointees. Daniel Acciavatti and Patrick Barry are no longer members.

MICHIGAN PS

Zachary Baker, Kelly Fedele, and Sharmay Wood are new appointees.
Nickolas Darin is no longer a member.

NEW YORK

Rosanne Frandina is a new appointee.

OKLAHOMA

Emeritus member Bill Dickerson passed away July 6 at the age of 90. After his tenure as an Oklahoma board member, he served as principal assistant to the board from 1990 to 2021. Dickerson devoted considerable time and expertise to NCEES. He was a subject-matter expert for the Fundamentals of Engineering exam from 1990 to 2016. His extensive service on standing committees and task forces includes chairing the committees on Communications and Publications, Examination Audit, Examinations for Professional Engineers, and Examination Policy and Procedures. Dickerson was the only recipient of all NCEES service awards: 2000 Meritorious Service Award, 2005 Distinguished Service Award, 2011 Distinguished Examination Service Award, 2013 NCEES Distinguished Award with Special Commendation, and 2018 President's Award.

OREGON

Jason Kent is no longer a member.

UPCOMING EVENTS

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

August 4 | Annual Meeting First-Time Attendee Orientation

August 5 | MBA Professional Development Workshop

August 5-6 | PE Electrical and Computer: Power Exam Meeting

August 10-14 | PE Nuclear Exam Meeting

August 11-13 | PE Structural Exam Meeting | Greenville, S.C., and virtual

August 13-14 | PE Architectural Engineering Exam Meeting

August 18 | 2020-21 Board of Directors Meeting | New Orleans, La.

August 19-20 | 100th NCEES Annual Meeting | New Orleans, La.

August 21 | 2021-22 Board of Directors Informational Meeting | New Orleans, La.

August 26-27 | FE Exam Meeting

August 30-September 1 | PE Naval Architecture and Marine Exam Meeting

August 31-September 1 | PE Fire Protection Exam Meeting

September 9-10 | PE Control Systems, PE Environmental, and PE Mining and Mineral Processing Exam Meetings

September 13-15 | PE Petroleum Exam Meeting

September 21-22 | PE Agricultural and Biological Exam Meeting

September 21-24 | PE Chemical Exam Meeting

September 23-24 | PE Industrial and Systems Exam Meeting

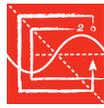
September 30-October 1 | PE Structural Exam Meeting | Greenville, S.C.

MEMBER BOARD BRIEF

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The resolution is posted on the NCEES website at ncees.org/resources/resolution-of-cooperation (Member Resources login required).

By NCEES promoting and facilitating the ROC between individual boards, it communicates a desire for all engineering and surveying licensure boards to show support and unity for licensure mobility and uniformity while keeping with NCEES' mission.



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NCEES named one of the *Best Places to Work in South Carolina*

NCEES was recently named one of the *Best Places to Work in South Carolina*. SC Biz News created this 16th annual program in partnership with the South Carolina Chamber of Commerce and Best Companies Group.

This survey-and-awards program was designed to identify, recognize, and honor the best employers in the state of South Carolina, benefiting the state's economy, workforce, and businesses. The list is made up of 81 total companies.

"NCEES is honored to be named one of the best places to work in South Carolina," said NCEES CEO David Cox. "We value our employees and recognize the impact their day-to-day work has in protecting the health, safety, and welfare of the public. Providing them with the best possible climate for development, health, and wellness ultimately benefits us all."

Companies from across the state entered the two-part survey process to determine the Best Places to Work in South Carolina. The first part consisted of evaluating each nominated company's workplace policies, practices, philosophy, systems, and demographics. The second part consisted of an employee survey to measure the employee experience. The combined scores determined the top companies and the final ranking. Best Companies Group managed the overall registration and survey process, analyzed the data, and determined the final rankings.

The ranked companies will be recognized at an in-person awards ceremony on August 5, 2021, at the Columbia Convention Center. The rankings will be published in the August 2021 issue of *SCBIZ* magazine. For more information on the *Best Places to Work in South Carolina* program, visit BestPlacesToWorkSC.com.

