

AN OFFICIAL NCEES PUBLICATION FOR THE EXCHANGE OF INFORMATION, OPINIONS, AND IDEAS REGARDING THE LICENSURE OF ENGINEERS AND SURVEYORS

## THE PRESIDENT'S MESSAGE

# COMPUTER-BASED TESTING, FACULTY LICENSURE AMONG AGENDA ITEMS FOR 2009-10



DAVID L. WHITMAN, PH.D., P.E.  
NCEES PRESIDENT

David Whitman, Ph.D., P.E., of Wyoming accepted the office of NCEES president during the Farewell Banquet held August 15 at the Annual Meeting in Louisville, Kentucky. The following is from his inaugural speech.

In 1955, a frustrated bus driver by the name of Ralph Kramden used to tell his wife Alice, "One of these days Alice, straight to the moon!" I'm certainly not condoning his words or his actions, but, from a purely analytical evaluation of his statement, he simply didn't have the technology to pull it off. However, 40 years ago

last month, the engineering profession was able to pull off one of the greatest expeditions of all time: as President Kennedy said, "landing a man on the moon and returning him safely to the earth." And we did this with less computing power than we now carry around with us on an everyday basis.

This nation needs a technologically based rallying point for the immediate future. I'm not sure if it will be the space program, but I'm confident that we'll find something.

The space program was probably the driving force behind my interest in pursuing electrical engineering as a career. I was curious about the electronics necessary to put a spacecraft in orbit, control its motion, and provide the communication needed between the capsule and ground control. While I never worked in the space industry, I never regretted my decision to get one of my degrees in electrical engineering. Many years ago, I visited Cape

Canaveral with a buddy who worked for NASA during the Apollo period. He showed me the abandoned launch pad area for the Gemini program. Believe it or not, the control center was made up of analog gauges mounted in bays that were in a series of concentric circles. Each controller had one or two gauges to look at during the countdown—certainly very crude technology by almost any standards. I don't know if you've visited the Kennedy Space Center recently, but there is a great exhibit dedicated to the Apollo program. If you're a space nut, you'll find yourself spending hours in the exhibit. During the keynote address at the 2007 NCEES Annual Meeting, we heard Dr. Herbert Shivers talk about NASA's plans to return to the moon and, perhaps, on to Mars. I certainly hope the Constellation program will spur new interest in space and encourage more students to pursue engineering as a career. This nation needs a technologically based rallying point for the immediate future. I'm not sure if it will be the space program, but I'm confident that we'll find something.

When I was elected Western Zone vice president three years ago, I quoted a lyric from the Eagles song "Hotel California." It says that "you can check out anytime you want, but you can never leave." While this line has been interpreted in a number of ways over the years—including Satanic concepts and as a metaphor for cancer—I've always considered this to be a challenge that even when you're done with your active time in an organization, you will stay loyal and continue to contribute at whatever level possible. I want you to know

*continued on page 8*

# NCEES Engineering Award winner recognized

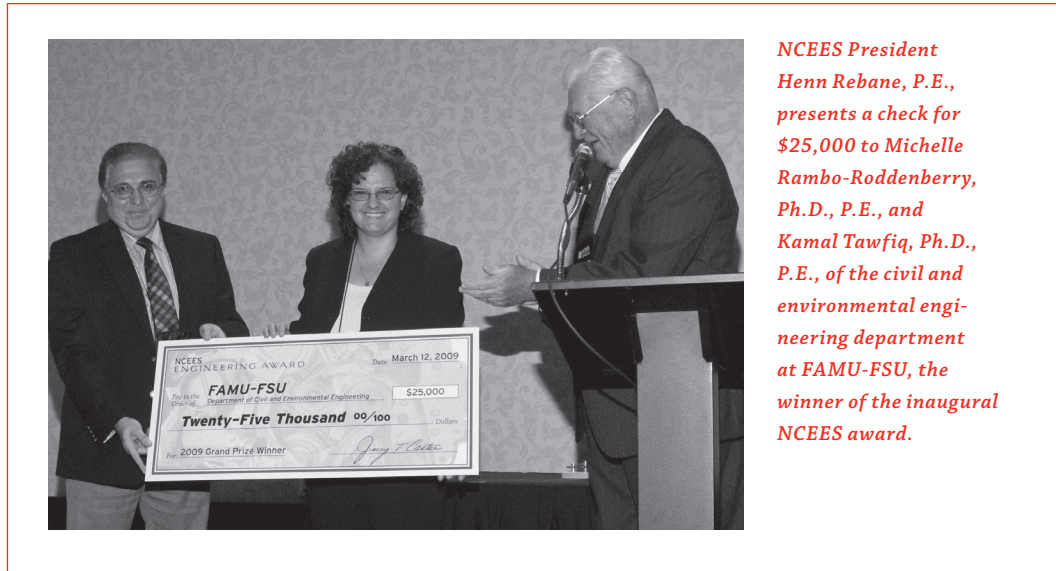
## Everglades restoration project garners top prize for FAMU-FSU

**N**CEES honored the grand prize winner of the 2009 NCEES Engineering Award during a luncheon held August 14 at the Annual Meeting in Louisville. Assistant professor Michelle Rambo-Roddenberry, Ph.D., P.E., and department chair Kamal Tawfiq, Ph.D., P.E., accepted the award on behalf of the Florida A&M University–Florida State University department of civil and environmental engineering.

In her speech, Rambo-Roddenberry applauded the Council’s encouragement of preparing students for professional practice.

“You have sent an important message to departments: there is value in educating students for the practice of engineering,” she said. “So, because of you, I pledge to continue to teach our students the importance of licensure and the role of NCEES. We want students to take the first step towards licensure: to take the FE exam while in school.”

FAMU-FSU received the award for demonstrating excellence in integrating professional practice and education. Its winning project “Senior Design Capstone Course: Collection of Projects with Featured Everglades Restoration Project” incorporated professional engineers into a senior design capstone course. Licensed engineers served as project mentors, gave classroom lectures, donated projects, and evaluated students’ final presentations. The collaborations centered on the completion of comprehensive designs for civil and environmental projects while emphasizing



*NCEES President Henn Rebane, P.E., presents a check for \$25,000 to Michelle Rambo-Roddenberry, Ph.D., P.E., and Kamal Tawfiq, Ph.D., P.E., of the civil and environmental engineering department at FAMU-FSU, the winner of the inaugural NCEES award.*

nontechnical professional issues, such as ethics and teamwork. The featured design project included student teams working with the U.S. Army Corps of Engineers on two restoration projects in the Florida Everglades.

Rambo-Roddenberry, who teaches the senior design capstone course, encouraged licensing board members to get involved. “If you don’t do so already, contact an engineering professor and offer to help—to mentor or speak to a class about professional issues and licensure. Students want to learn the things we take for granted. Go share your knowledge and experience,” she said.

In addition to the \$25,000 grand prize, five other projects were awarded prizes of \$7,500 each. All of the award-winning projects are featured in the NCEES Engineering Award Book. The publication includes details of the projects and interviews with some of the participants. Copies are available from [www.engineeringaward.com](http://www.engineeringaward.com).

NCEES now turns its attention to the next award cycle. Details about the award and entry forms are also available at [www.engineeringaward.com](http://www.engineeringaward.com). EAC/ABET-accredited engineering programs are invited to submit projects that demonstrate a meaningful partnership between professional practice and education. Projects must be in progress or completed by December 31, 2009.

“It was great for the Council to have the chance to recognize FAMU-FSU and hear first-hand about what this experience meant to their department,” said NCEES Associate Executive Director Davy McDowell, P.E., who helped organize the competition. “We’re now looking forward to building on the success of this first year as we prepare for the 2010 award.”



# NCEES enjoys strong financial position, reputation

**A**s I receive daily news reports on the recession (or end of the recession), the housing crisis, and unemployment rates, I am reminded how enviable the Council's position is when compared with many other organizations.

NCEES enjoys a stable financial picture in the face of difficult economic conditions. Our exam numbers for April 2009 were up, and those for October 2009 appear to be holding steady. Our range of services provides a diverse, steady income stream. While we expect our investment income to be under budget for 2008–09, other revenue centers will more than compensate, bringing total revenue over budget for the year.

I'm aware that many Member Boards do not share this strong financial position. NCEES is here to serve as a resource for those boards, giving assistance wherever possible. NCEES has earned a reputation as a leader in professional licensure of engineers and surveyors through its efforts to promote standard licensing processes, to produce exams that accurately measure professional competence, and to provide services that facilitate mobility for licensed engineers and surveyors.

As the Council moves into its 90th year, its financial strength and trusted reputation are to the credit of the individuals who make up the organization.

### Collaboration essential to Council's success

Knowledgeable, dedicated members continue to pursue leadership positions in the Council. They give their time and expertise to help fulfill the NCEES mission and ensure that the organization remains focused on serving Member Boards. It is difficult to fully convey the value of the contribution of the volunteers who regularly give up their weekends to be in Clemson or some airport hotel helping develop our exams or serving on standing committees or task forces. Their camaraderie and

professionalism are inspiring, and their dedication to NCEES speaks volumes about the importance of our mission.

The relationships with the Member Board administrators and their staff continue to grow. There are few, if any, programmatic changes contemplated these days for which we do not seek the advice of the MBAs. At NCEES, we appreciate their unique role and value their perspective on how changes here will affect their operations. The willingness of MBAs to serve on committees and task forces and to provide a representative to attend Board of Directors' meetings is invaluable. MBAs are on the front line every day, which makes their input critical.

The success of NCEES is also due, in part, to the staff in Clemson and Miami. This group of professionals remains focused on providing quality service to our constituents.

### New NCEES associate executive director

After serving the Council in a number of capacities over the years, one of these staff members has announced her retirement. Associate Executive Director Susan Whitfield has spent the last 28 years helping improve NCEES, and she has undoubtedly succeeded. Her counsel has benefited me personally, and I'll be forever thankful.



Davy McDowell, P.E., is the new associate executive director.

Davy has been with NCEES 10 years, most recently as director of professional services. From exam development to the Records Program, Davy brings a wealth of experience with many of our services. Susan cannot be replaced, but I look forward to Davy's contributions as he steps into the role.



# Highlights from the 2009 Annual Meeting

## Attendees mix Council business, professional development in Louisville

**D**elegates attending the 2009 Annual Meeting addressed a number of topics related to the organization and the licensure process for engineers and surveyors. The following summarizes some of the actions taken. Full minutes from the meeting will be published on the NCEES Web site in November. Copies will also be mailed to all licensing board members, administrators, and emeritus members.

### 2009-10 Board of Directors

The Council filled two positions on the NCEES Board of Directors when it elected Joe Timms, P.E., of West Virginia, as president-elect and Gene Dinkins, P.E., P.L.S., of South Carolina, as treasurer during the Friday morning business session. Timms was previously the Northeast Zone vice president, while Dinkins was the

Southern Zone vice president. David Widmer, P.L.S., and Govind Nadkarni, P.E., began their first year of their two-year terms on the Board of Directors as Northeast Zone and Southern

Zone Vice Presidents, respectively. Central Zone Vice President Dale Jans, P.E., and Western Zone Vice President Pat Tami, P.L.S., began the second year of their terms. Rounding out the 2009–10 Board of Directors are Immediate Past President Henn Rebane, P.E., and President Dave Whitman, Ph.D., P.E. (see cover article).

### Council governance

The Council formally adopted two amendments to the NCEES *Bylaws*. The first clarifies the term of the NCEES treasurer, while the second specifies the procedure for permitting associate members of the Council to serve as voting delegates. The Council approved another

amendment to be considered next year for formal adoption: this amendment will remove references to affiliate member entities from the *Bylaws*, since such entities no longer exist. The Council approved a new policy stating the Board of Directors will annually review and approve costs for exam item replacement as a safeguard against losses from an exam breach.

### Engineering education requirements

The issue of engineering education continued to be the subject of much debate this year, as delegates considered motions working out the specifics of the requirement set to go into effect in 2020.

Delegates voted in favor of a motion from the Engineering Education Task Force to proceed with developing a national clearinghouse to assist Member Boards with implementing the education requirement, which will require engineering licensure candidates to obtain a master's degree in engineering or its equivalent. The proposed clearinghouse would assist boards in determining whether candidates meet the new education requirement, with the goal of promoting consistency across jurisdictions as the requirement is implemented.

The Committee on Uniform Procedures and Legislative Guidelines (UPLG) presented a motion, approved by the Council, incorporating language into the *Model Law* and *Model Rules* specifying the terms *approved course providers* and *acceptable coursework* as they pertain to the master's or equivalent requirement. Another successful



*Delegates debated several resolutions concerning engineering licensure requirements*

The *Model Law, Model Rules, Manual of Policy and Position Statements*, and NCEES *Bylaws* have been revised as a result of actions taken during the meeting. They are online at [www.ncees.org/introduction/about\\_ncees](http://www.ncees.org/introduction/about_ncees).

UPLG motion incorporated the ABET-accredited master's program category of degree into the *Model Law* and *Model Rules*. ABET had previously not accredited engineering programs at both the bachelor's and master's level.

Under New Business, the Council was presented with several resolutions concerning the master's or equivalent education requirement. It approved a resolution from the Southern Zone calling for the Engineering Education Task Force to further study alternatives to the current master's or equivalent language. This resolution also called for the task force to include within its study the possibility of reforming bachelor's degree programs so that they "contain the appropriate educational requirements to practice at a professional level."

### Examinations

Each year, several NCEES committees and task forces present motions related to NCEES exams and related services. This year, the Council approved a motion for the Computer-Based Testing Task Force to continue to evaluate the possibility of NCEES switching its exam delivery method from the current paper-and-pencil format to a computer-based format. The task force will produce a recommendation for the Council's consideration at next year's Annual Meeting.

The Council also adopted a new exam development policy proposed by the Committee on Examination Policy and Procedures that outlines the requirements for dividing an existing exam into separate exams in situations where a larger discipline splinters into areas with distinctive bodies of knowledge that require separate testing for licensure purposes.

The NCEES Board of Directors presented a motion to authorize the NCEES executive director to negotiate a contract to provide exams and related services in Saudi Arabia in conjunction with the Saudi Council of Engineers. This motion resulted from a visit to Saudi Arabia made earlier this year by an NCEES delegation to discuss administering exams in that country and to ensure that the Saudi Council was equipped to adhere to NCEES exam policies. The motion passed.

*President-Elect Whitman and President Rebane were presented with personalized Louisville Sluggers during the first business session.*



*One of the professional development workshops involved a site visit to the McAlpine Locks and Dam, located on the Falls of the Ohio. The locks, which recently underwent a major renovation and expansion, allow shipping traffic to bypass the only falls on the Ohio River.*

### Licensure practices

Apart from amending the *Model Law* and *Model Rules* to reflect the 2020 education requirement, the UPLG Committee conducted its five-year review of the *Model Rules*, which resulted in 29 motions that all passed.

UPLG was also charged with revising the *Model Law* to clarify the distinction between individuals and firms throughout the document. This was the result of a recommendation made by last year's UPLG Committee and was designed to make the document consistent with many state licensure laws. This charge resulted in 21 motions, all of which passed.

Finally, the UPLG Committee moved to add a grandfather clause to the *Model Law*, indicating that the status of current Model Law Engineers and Model Law Structural Engineers would not be adversely affected by subsequent revisions to the *Model Law*, such as the 2020 master's or equivalent requirement.

# Training, technical expertise essential to successful enforcement programs

When it comes to investigative training for Member Boards, I would begin with two publications prepared by NCEES: the *Investigative Training Manual* and the *Investigation and Enforcement Guidelines*.

**E**nforcing the laws and rules of state engineering and surveying registration acts is an important part of each Member Board's mission. To do this effectively, it is important to make sure we hire competent and qualified individuals to conduct investigations. It is also important that we provide enforcement staff with the tools and resources they need to be effective. Member Boards tend to hire two types of investigators: individuals with a strong engineering or surveying background but little formal investigative training, and individuals with a strong law enforcement background but limited experience in engineering or surveying. It seems to be a rare occasion when you can find an investigator who has a strong background in both areas. Effective training of your investigative staff is the key to a successful law enforcement program.

## NCEES enforcement resources

When it comes to investigative training for Member Boards, I would begin with two publications prepared by NCEES: the *Investigative Training Manual* and the *Investigation and Enforcement Guidelines*. These publications cover in sufficient detail most aspects of investigations, including planning investigations, interviewing suspected violators, obtaining and handling evidence, and writing reports. They also include sample letters, orders and procedures. Both are available for download at [www.ncees.org/councilnet](http://www.ncees.org/councilnet).

Other investigative resources available through NCEES CouncilNet are the Law Enforcement listserv, the Law Enforcement Directory, and

the Guidelines and Recommendations. The Law Enforcement listserv is an underutilized resource in which participants exchange e-mails covering all types of law enforcement issues, asking questions and providing answers and advice to enforcement-related questions. Member Boards should encourage their investigators, attorneys, enforcement staff, and board members to sign up to start using it as a discussion forum.

The Law Enforcement Directory is now part of the new Member Board Roster. Selecting Member Board Roster at the top of the CouncilNet page and then the Law Enforcement tab allows you to view a current list of board attorneys and investigators.

The Guidelines and Recommendations contain downloads that provide best-practice suggestions from the Law Enforcement Committee.

## Annual Meeting programs

I also encourage Member Boards to have their investigative staff, attorneys, board administrators, and board members attend the NCEES Annual Meeting. Each year, NCEES hosts a Law Enforcement forum on Friday afternoon, giving attendees an opportunity to share information and ask questions about a wide range of enforcement issues. In most cases, these issues are common to other boards, and the forum allows them to exchange ideas on how to improve enforcement activities.

On Saturday during the Annual Meeting, a Law Enforcement program includes training and information on investigating complaints and

$$\pi_3 : M^0 L^0 T^0 = (LT^2)^i (ML^{-3})^j (L^2)^k M^1$$

$$M^0 L^0 T^0 = M^{j+1} L^{i-3j+2k} T^{-2i}$$

other timely issues affecting Member Boards. The Law Enforcement Committee tailors these programs not only to investigators but also to board attorneys, board members, and other staff who may be involved in the investigative process. This year, the program in Louisville focused on investigations involving exam irregularities and exam subversion. It also included a demonstration of the new and improved Law Enforcement Exchange.

When I attended my first Annual Meeting in Chicago, I found the Law Enforcement program extremely helpful in the execution of my job as the board's enforcement supervisor. In fact, I believe we have put together a very effective investigative unit largely based on information that I received from others who held my position at other Member Boards. We regularly review how we do things and implement ideas that have worked for other boards.

### Other training programs of value

Another excellent source of training is the Council on Licensure Enforcement and Regulation, an organization that serves regulatory boards. CLEAR ([www.clearhq.org](http://www.clearhq.org)) conducts two excellent investigator training programs at various locations throughout the United States.

The first is a basic program that covers topics such as professional conduct, the investigative process, principles of evidence, evidence collection and storage, interviewing techniques, report writing, and administrative procedures. The second is a specialized program that covers evidence, advanced interviewing, investigative analysis and investigative report development. I have completed both programs and found them very informative. Bruce Pitts, P.L.S., the Oklahoma Board enforcement director, found the CLEAR training particularly helpful to those who come to the investigator position with little or no training in law enforcement. Bruce said that the NCEES Law Enforcement training programs complement the CLEAR training by being specific to the professions of engineering and surveying.

The Federation of Associations of Regulatory Boards ([www.farb.org](http://www.farb.org)) provides similar investigative training,

often held in conjunction with its annual meeting. FARB also provides an annual certification seminar for board attorneys. Another resource is John E. Reid and Associates ([www.reid.com](http://www.reid.com)), which offers a three-day program on interviewing and interrogation and a one-day advanced program. Reid will even come to your state for the training if demand is sufficient. A few years ago, several regulatory boards and law enforcement agencies in Ohio registered for this program, so Reid conducted the training in Columbus.

Also, I suggest consulting other regulatory boards in your state as well as your attorney general and state auditor's offices for any investigative training they may offer. We have attended many conferences and programs offered by these agencies, often for less than \$100.

Alabama Board Assistant Executive Director Rick Huett recommends SCAN training ([www.lsiscan.com](http://www.lsiscan.com)). This training program run by the Laboratory for Scientific Interrogation instructs investigators how to identify deception in written documents. This is a valuable skill because investigations typically include asking a subject to provide a detailed written description of the events in question. Huett also recommends two publications: *Principles of Kinesic Interview and Interrogation* by Stan Walters and *Practical Aspects of Interview and Interrogation* by David Zulawski and Douglas Wicklander.

During a budget crunch, funds used to train staff are often one of the first items to be cut. The training programs mentioned in this article are not cost prohibitive, and I think you will find they are well worth the money. Few things can harm a Member Board as much as the negative press and costly lawsuits that can result from a bungled or poorly handled investigation. Properly trained and professional investigative staff members can reduce or eliminate the risk of that happening. They can assist the board in accomplishing its mission of protecting the public by effectively enforcing the licensing statute and board rules and by fairly prosecuting those who do not hold paramount the life, health, and welfare of the citizens of the state.

## THE PRESIDENT'S MESSAGE

continued from cover

that there are only three organizations where I feel this level of loyalty: the University of Wyoming, the Mortar Board Senior Honor Society, and NCEES. I plan to stay active well beyond my next two years as president and past president.

### Engineering education and NCEES exams

With regard to 2009–10 at NCEES, I'm looking forward to the dialogue that will be generated in a number of areas. Let me address a few of these.

The education initiative continues to spark lively debate as evidenced at this Annual Meeting. I'm from the Western Zone and, as a group, we've been fairly noisy about the bachelor's plus 30, masters or equivalent, or

whatever you want to call it. The Western Zone's resolution to repeal the whole initiative—and its subsequent defeat—reminded me of another lyric from Hotel California: “they stabbed it with their steely knives, but they just can't kill

the beast.” The Council has given the Board of Directors some new directions with regard to this initiative, and I promise that we will pursue them vigorously.

The Computer-Based Testing Task Force, while smaller in size this year, will be working with NCEES staff to put together a proposal for you at next year's Annual Meeting in Denver. While they will be evaluating a large number of items, I believe that the resulting exam cost will be the major factor as to whether or not the Council moves in this direction. Put yourself back in the days of your senior year in college and recall how much spare money you *didn't* have. Also, consider the fact that over 45,000 of the 75,000 students who earn a bachelor's degree in engineering will take the FE exam—many without choice due to the use of the FE exam as an outcomes

assessment tool. We need to keep the exam affordable. While the architects' exams are different from the NCEES exams, I can report from the architects' Annual Meeting that their exams cost examinees \$170 and they subsidize approximately 50 percent of the exam cost. I challenge the CBT Task Force to find an economical solution that will be good for both NCEES and the examinees.

### Future strategies for strengthening licensure

NCEES will continue to monitor integrated project delivery and building information management with regard to responsible charge. I hope that many of you were able to attend the presentation that was given on Wednesday about BIM. While we don't want to sit idly on our hands, I agree with NCARB past president Gordon Mills that, for the immediate future, practice should lead regulation. Let's start to see where the IPD process and the BIM tool go before we start to develop too many regulations.

I'm very excited about the initiative driven by Member Board administrators to develop a list of best practices that licensing boards are using in their analysis of applications. While I certainly don't expect a list of procedures that all jurisdictions will blindly follow, I do hope for a document that will enable us to increase commonality on this issue. Anything that we can do to promote more consistency across Member Board jurisdictions and give our licensees more professional mobility is a good thing in my mind.

As an educator, I've always been concerned about the lack of faculty who are licensed engineers and surveyors. While almost every jurisdiction includes the teaching of engineering or surveying within its definition of professional practice, we have either found it difficult to enforce our statutes or we have found compromise solutions. I applaud Idaho and others for being aggressive in this area. This year, we have put together a blue-ribbon task force that includes representation from the National Society of Professional Engineers and the American

Anything that we can do to promote more consistency across Member Board jurisdictions and give our licensees more professional mobility is a good thing in my mind.



Society for Engineering Education to examine this issue. I challenge them to use some out-of-the-box thinking to come up with new approaches that might encourage more faculty to become licensed.

### Surveying and the four-year degree

With regard to the surveying profession, I believe we need to move more jurisdictions toward the four-year degree as the minimum education necessary to enter the licensure process. I have asked the Committee on Examinations for Professional Surveyors to review NCEES Position Statement 9 to determine if revisions are required to emphasize the Council's support of a four-year surveying degree as a condition of licensure. In my estimation, if surveying is going to reach the true definition of a profession and, ultimately, reap the economic benefits that come with that designation, then we need to move to requiring a four-year degree.

I'm also looking forward to working with the National Museum of Surveying, located in Springfield, Illinois, in any way that I can. As you know, NCEES has already made a significant monetary contribution to the museum for the establishment of a theater. This museum promises to be an excellent showcase for the surveying profession.

I have certainly enjoyed my eight-plus years on the Wyoming Board, my two years as Western Zone vice president, and my year as president-elect. I have had the opportunity to meet many leaders throughout our professions, and they are, for the most part, very supportive of licensure. I'm looking forward to my year as president and hope to represent you well. Thanks for your confidence in me.

# Nominations open for NCEES service award

## Nominations due January 31, 2010

The Committee on Awards is now accepting nominations for the Distinguished Service Award, the Distinguished Service Award with Special Commendation, and the Meritorious Service Award. These awards will be presented at the 2010 Annual Meeting in Denver, Colorado. In accordance with Council policy, nomination materials were mailed to Member Board administrators by October 1. They are also available on CouncilNet or by contacting Executive Assistant Sherrie Holcomb (sholcomb@ncees.org). The deadline for board officers or administrators to submit nominations is January 31, 2010.

### Statement of Ownership, Management, and Circulation

	Average No. copies each issue during preceding 12 months	Actual No. published nearest to filing date
1. Publication Title ..... <i>Licensure Exchange</i>		
2. Publication Number..... 606-300		
3. Filing Date..... September 29, 2009		
4. Issue Frequency..... Bimonthly		
5. Number of Issues Published Annually..... 6		
6. Annual Subscription Price ..... None		
7. Complete Mailing Address of Known Office of Publication:..... NCEES P.O. Box 1686, Clemson, SC 29633-1686		
8. Complete Mailing Address of Headquarters or General Business Office of Publisher:..... NCEES, P.O. Box 1686 Clemson, SC 29633-1686		
9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor: Publisher ..... Jerry T. Carter P.O. Box 1686, Clemson, SC 29633-1686 Managing Editor ..... Keri Anderson P.O. Box 1686, Clemson, SC 29633-1686 Editor..... Doug McGuirt P.O. Box 1686, Clemson, SC 29633-1686		
10. Owner ..... NCEES P.O. Box 1686, Clemson, SC 29633-1686		
11. Known bondholders, mortgagees, and other security holders owning or holding 1% of more of total amount of bonds, mortgages, or other securities ..... None		
12. Tax Status: The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes: ..... Has not changed during the preceding 12 months.		
13. Publication Title ..... <i>Licensure Exchange</i>		
14. Issue Date for Circulation Data below..... August 2009		
15. Extent and Nature of Circulation:		
a. Total number of copies (net press run) ..... 2,233..... 2,500		
b. Paid circulation		
(1) Mailed outside-county paid subscription stated on PS Form 3541..... 0..... 0		
(2) Mailed in-county paid subscriptions stated on PS Form 3541..... 0..... 0		
(3) Paid distribution outside the mails including sales through dealers and carriers, street vendors, counter sales, and other paid distribution outside USPS..... 0..... 0		
(4) Paid distribution by other classes of mail through the USPS ..... 0..... 0		
c. Total paid distribution (sum of 15b 1, 2, 3, 4) ..... 0..... 0		
d. Free or nominal rate distribution		
(1) Free or nominal rate outside-county copies included on PS Form 3541..... 1,729..... 1,747		
(2) Free or nominal rate in-county copies included on PS Form 3541..... 0..... 0		
(3) Free or nominal rate copies mailed at other classes through USPS..... 0..... 0		
(4) Free or nominal rate distribution outside the mail ..... 404..... 653		
e. Total free or nominal rate distribution (sum of 15d 1, 2, 3, 4) ..... 2,133..... 2,400		
f. Total distribution (sum of 15c and e) 2,133..... 2,400		
g. Copies not distributed ..... 100 ..... 100		
h. Total (sum of 15f and g)..... 2,233..... 2,500		
i. Percent paid ..... 0..... 0		

I certify that all information stated above is true and correct. *Doug McGuirt*

# MEMBER BOARD NEWS

**ARKANSAS** The board name is now the Arkansas Board of Licensure for Professional Engineers and Professional Surveyors.

**IOWA** Glean Coates has retired as executive officer. David Batts is serving as the interim executive officer.

**MAINE PS** The board's physical address is now 76 Northern Avenue, Gardiner, ME 04345. Its mailing address is the same.

**MARYLAND PE & PS** Daniel Parr, executive director for the Maryland PE and PS boards passed away recently. Pamela Edwards is serving as acting executive director for both boards.

**MASSACHUSETTS** Erin LeBel is the new executive director. Associate Executive Director Patricia Breslin remains the Member Board administrator.

**NEVADA** Kenneth Gardner, P.E., is a new appointee. He replaces Thomas Krob, P.E.

**NORTH DAKOTA** Candie Robinson's title is now associate executive director/investigator.

**PENNSYLVANIA** Matthew Karnell is the new public member. Lena Andrews is no longer on the board.

**VIRGIN ISLANDS** Wayne Biggs is a new appointee. Kenrich Robertson is no longer on the board. The board e-mail address boards@dlca.gov.vi is no longer in use. The e-mail address nathalie.hodge@dlca.vi.gov should be used until further notice.

**WISCONSIN** Ruth Johnson, L.S., is a new appointee. Ted Widderski is no longer on the board.

## Revamped NCEES Web site to launch this fall, CouncilNet to be renamed My NCEES

The new NCEES Web site will launch this fall after the heavy exam administration traffic on the Web site subsides. The new site is designed to help the many NCEES constituents—examinees, licensees, Member Board members, volunteers—easily find the information they want.

As part of the makeover, CouncilNet is being renamed and redesigned. Its new name will be My NCEES. My NCEES will still feature current CouncilNet services such as the electronic Member Board roster and Enforcement Exchange, but it will be streamlined by using just one password.

When the Web site goes live, NCEES will e-mail this new username and password to all Member Board members, emeritus members, associate members, past presidents, administrators, investigators, attorneys, and exam volunteers.

## Upcoming Events

### November 6–7

NCEES Board of Directors' Meeting, San Diego, California

### December 5–6

Faculty Licensure Task Force Meeting, Washington, D.C.

### December 11–12

Engineering Education Task Force Meeting, Dallas, Texas

### January 8–9

Computer-Based Testing Task Force Meeting, New Orleans, Louisiana

### January 14–16

EPS Committee Meeting, Clemson, South Carolina

### January 22–23

UPLG Committee Meeting, San Antonio, Texas

### January 25–26

Evaluation of Applications Task Force Meeting, New Orleans, Louisiana

### January 30

Law Enforcement Committee Meeting, Memphis, Tennessee

EPP Committee Meeting, Nashville, Tennessee

### January 31–February 1

Engineering Education Task Force Meeting, Phoenix, Arizona

David L. Whitman, Ph.D., P.E.  
*President*  
Laramie, Wyoming

Henn Rebane, P.E.  
*Past President*  
Tampa, Florida

Leonard J. (Joe) Timms Jr., P.E.  
*President-Elect*  
Bridgeport, West Virginia

Gene L. Dinkins, P.E., P.L.S.  
*Treasurer*  
Columbia, South Carolina

Dale A. Jans, P.E.  
*Central Zone Vice President*  
Sioux Falls, South Dakota

David H. Widmer, P.L.S.  
*Northeast Zone Vice President*  
Beaver Falls, Pennsylvania

Govind Nadkarni, P.E.  
*Southern Zone Vice President*  
Corpus Christi, Texas

Patrick J. Tami, P.L.S.  
*Western Zone Vice President*  
Sacramento, California

Jerry T. Carter  
*Executive Director/Secretary*  
Clemson, South Carolina

Licensure  
**EXCHANGE**

PUBLISHED BY NCEES

**Jerry T. Carter, Executive Director  
and Publisher**

**Keri B. Anderson, Manager of  
Corporate Communications**

**Doug E. McGuirt, Editor**

**Jennifer W. Minchin, Associate Editor**

**Ragenia P. Thompson, Graphics and  
Print Coordinator**

ISSN NO. 1093-541X  
VOLUME 13, ISSUE 5

All articles within *Licensure Exchange* may be reprinted with credit given to this newsletter and to NCEES, excluding those articles reproduced in *Licensure Exchange* with permission from an original source.

POSTAL NOTICE  
*Licensure Exchange* is published bimonthly by NCEES, 280 Seneca Creek Road, Seneca, SC 29678-9214.

Periodicals postage paid at Clemson, SC 29633

Postmaster: Send address changes to  
*Licensure Exchange*, P.O. Box 1686,  
Clemson, SC 29633-1686



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

PERIODICALS  
POSTAGE PAID  
CLEMSON, SC  
29633

## NCEES Board of Directors approves new PE exam in software engineering

**T**he NCEES Board of Directors recently approved the development of a new PE exam for software engineers after, in accordance with NCEES policy, it received the required 10 letters of support from Member Boards.

“The next step in the process is the PAKS, and if that goes as planned we plan to offer the exam in two-and-a half to three years,” said Tim Miller, P.E., NCEES director of Exam Services.

The PAKS, or professional activities and knowledge study, will include a survey of a diverse sample of software engineering professionals to gather information about the relative importance of various areas of knowledge within the discipline as they relate to the protection of the public welfare. This information will be used to determine the topics covered in the exam. After the survey is complete, exam items will be written for the initial exam administration. After that, the exam will be administered yearly.

Groups representing software engineers have long maintained that software engineering should be licensed because it is increasingly practiced in areas that reach into the everyday lives of the general public, such as traffic control systems and the electrical grid. An IEEE Computer Society survey of software engineers indicated that two-thirds of those employed in the industry support a licensure exam for their profession.

Partnering with NCEES as co-sponsor of the PE exam in software engineering is IEEE-USA, which will be assisted by the IEEE Computer Society, the National Society of Professional Engineers, and the Texas Board of Professional Engineers.

An IEEE Computer Society survey of software engineers indicated that two-thirds of those employed in the industry support a licensure exam for their profession.