

FALL 2019

BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

BULLETIN

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**Message from the Executive Officer**

RICHARD B. MOORE, PLS

The 2019 legislative sunset review of the Board is in its final stages and at the time of this writing is on the agenda of the Senate Appropriations Committee for consideration. Assuming a favorable result from that committee, the sunset review bill (AB 1522) will be voted on by the full Senate and Assembly prior to being presented to the governor for endorsement and chaptering. Changes from this bill will become effective January 1, 2020, and extend the Board's mission for another four years.

Representatives from the Board recently attended the NCEES (National Council of Examiners for Engineers and Surveyors) Annual Meeting in Washington, D.C., during which reports and motions pursuant to the examination and licensing of engineers and land surveyors were debated and acted upon by all 70 member boards from across the nation. In addition to receiving reports on the various national examinations, Board representatives considered many motions, both the published agenda and additional motions introduced during the floor discussions. Also considered was the possible impact any of these changes would have on the consumers in California and the individuals licensed by the Board who provide engineering and surveying services to those consumers.

Two motions were of particular interest to the Board as both could potentially have some impact on the licensing criteria used by all states to evaluate and measure competency of the potential candidates for licensure.

First was a motion to determine the acceptability of an engineering technology degree that is accredited by ABET as acceptable criteria for licensure as a professional engineer. To put this in context, ABET has two primary forms of accreditation for engineering programs: EAC (Engineering Accreditation Commission) and ETAC (Engineering Technology Accreditation Commission). Degrees gained from an EAC program are more commonly accepted (or in many cases, required) in full by licensing boards across the nation while degrees

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Message from the Executive Officer (continued from page 1)

from ETAC programs are either not accepted or only partially accepted with increased work experience by licensing boards. While California laws do not require an engineering degree to qualify for licensure, the Board has for many years accepted both EAC and ETAC degrees as partial credit toward the required minimum experience criteria in obtaining a license.

The motion to be voted on at the NCEES meeting would have required a second level of educational evaluation for licensure candidates with an ETAC degree. While several other member boards shared California's concerns related to the purpose and need for implementing another level of evaluation when ABET is considered the standard nationwide, floor motions to amend the motion failed. California representatives had concerns that if this motion passed as originally presented and other states adopted these criteria, it would prove troublesome for California licensees seeking licensure mobility in neighboring states. Ultimately, the original presented motion also failed to pass by a very close margin, and it is imperative to understand that if California was not present (or any other individual member board), the vote would have likely passed. California Board representatives will continue to monitor any efforts related to this in the future and act accordingly in a manner consistent with California licensing laws.

Second was a motion resulting from a nearly two-year effort by NCEES's Survey Exam Module Task Force, specifically comprised to evaluate the effectiveness of the national Principles and Practice of Surveying (PS) exam and the feasibility for converting the PS exam into a multidivisional examination format. Through the work of various member boards and this task force, it was identified that the effectiveness of the PS exam

was not being fully implemented in a manner that could be primarily relied upon to measure the necessary competence of candidates for licensure as a land surveyor. This is evidenced by the fact that almost all of the 55 jurisdictional licensing boards in the nation that regulate the practice of land surveying supplement the national PS exam with a state-issued surveying examination. The evaluation from the task force also identified that many land surveying tasks and functions were practiced commonly across the nation regardless of jurisdictional boundaries and that most other "learned professions" were licensed using a multidivisional examination format.

The task force motion to begin the planning and implementation toward converting the current PS examination to a multidivisional examination passed with a 91% approval by the represented delegates. This conversion is expected to take at least four to five years and the Board will continue to monitor the progress of this conversion, which will eventually include further evaluation to determine what impact this will have on the California state land surveying examination and licensing criteria.

Finally, and very important to the Board's mission in protecting the public, the Board is excited to announce that its three-plus-year effort to clarify educational criteria for licensing as a professional geologist in regulation was approved by the state Office of Administrative Law and will become effective October 1, 2019. Additional information can be found at the Board's website at www.bpelsg.ca.gov/about_us/rulemaking.shtml, and after the effective date in the Board's regulations for the practice of geology at www.bpelsg.ca.gov/laws/gg_regs.pdf.

President's Message



As the incoming Board president, I am humbled and honored to report to the Bulletin's readership, Board licensees, and other interested parties.

The last 12 months will be remembered for natural disasters and California's emergency readiness as it relates to wildfires and their influence on California's people. The Board will also be looking forward to its new license search functionality for public use on the Board's website. With the new features, many viewers will ascertain data about the Board's licensed professional engineers, land surveyors, and geologists. The expectations are high that the Board implement and carry out policies that benefit our state and its citizens.

Professional licensure for new incoming engineers, land surveyors, and geologists will be important for the future of California's tremendous growth potential and possibilities. As the fifth largest economy in the world, with new economic data putting California's economy at \$2.47 trillion and growing, California will play a major role in all aspects of new development, construction, and infrastructure work. The need for structural and civil engineers, along with other professional engineers, land surveyors, and geologists will increase along with the other demands needed to meet a fast-growing state of almost 40 million people. The public will turn to our professions for

guidance and consultation. Our vigilance to protect the public will remain constant and relentless.

The oversight and adjudication of current cases and licensee disciplinary actions will mean more attention and time devoted by BPELSG—the Board. The Board and I will continue to focus on the consumer protection needs and requirements to safeguard the safety and health of our great state. The excellent staff at the Board under Executive Officer Ric Moore has been exemplary and performing in stellar fashion. Board meetings have met expectations of quorum requirements and policy needs. The continuation of the duties of the Board include important proposed actions to approve the adoption of Title 16 (California Code of Regulations (CCR) sections 3022, 3022.1, 3022.2), and amend Title 16, CCR section 3031. This latter action clarifies educational and experience requirements for applicants seeking licensure as a professional geologist or professional geophysicist, certification in a specialty in geology or geophysics, and certification as a geologist in training. This regulatory action becomes effective October 1, 2019.

I will continue the tradition of this Board's vigilance and relentless zeal to advocate for professionalism and excellence in these needed professions. BPELSG will reign foremost as a public service organization razor focused on protecting consumers and California's welfare and future.

***Fel Anthony Amistad, Ph.D.
BPELSG President***



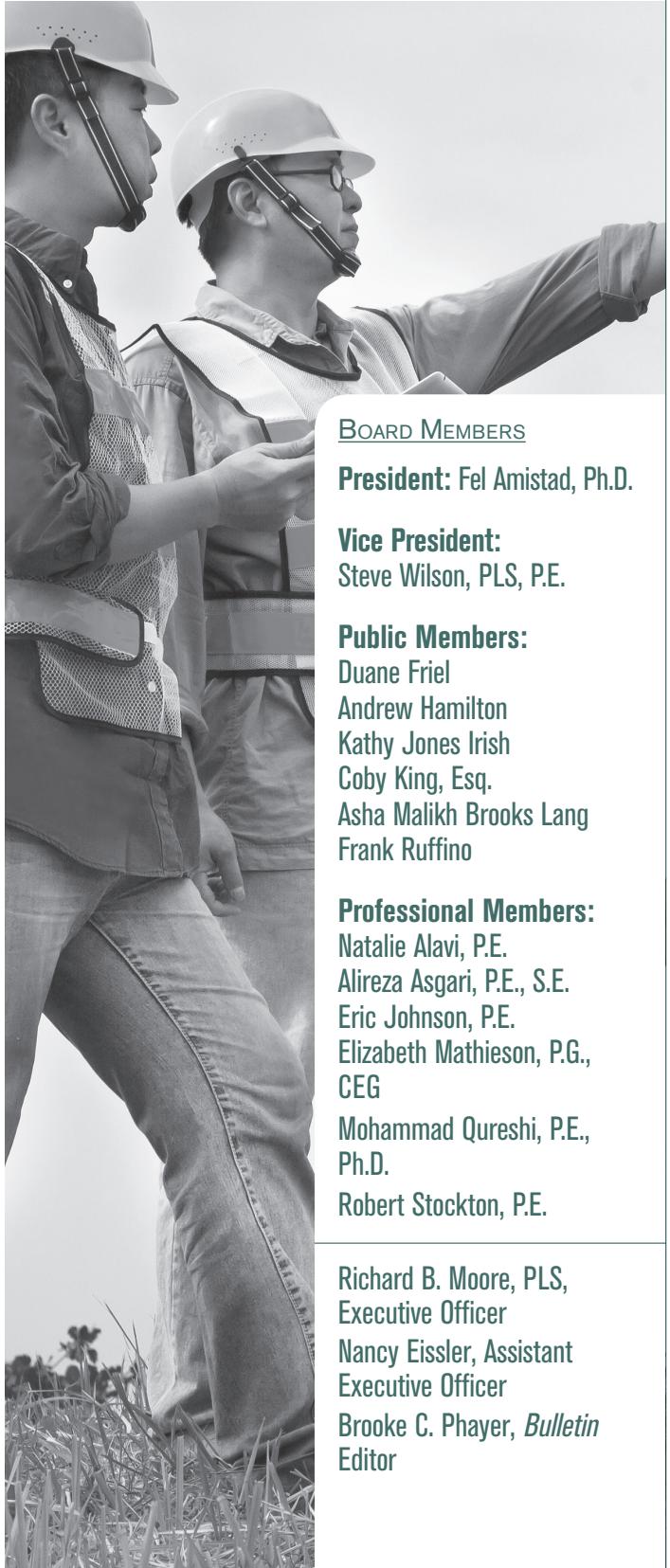
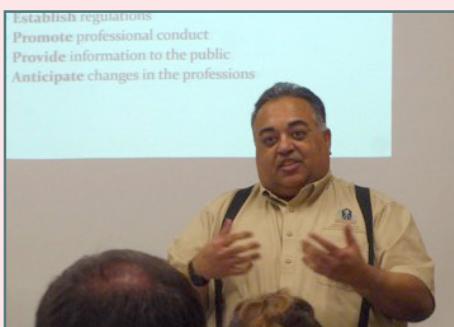
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Board News

Executive Officer Ric Moore congratulates outgoing Board President Dr. Mohammad Qureshi, P.E., for his outstanding service at the June 13 Board meeting. Dr. Fel Amistad was elected Board president and Steve Wilson, PLS, vice president for the 2019–2020 Board year at the same meeting.



Dr. Mohammad Qureshi, P.E., visited the Shasta Branch of the American Society of Civil Engineers as ASCE attempts to re-launch the branch. Dr. Qureshi presented on the process of obtaining a license in California. There were 17 audience members, with most being recent graduates interested in licensure as civil or electrical engineers. The meeting was held Friday, April 26, in the conference room of Jacobs Engineering in Redding.



BOARD MEMBERS

President: Fel Amistad, Ph.D.

Vice President:
Steve Wilson, PLS, P.E.

Public Members:

Duane Friel
Andrew Hamilton
Kathy Jones Irish
Coby King, Esq.
Asha Malik Brooks Lang
Frank Ruffino

Professional Members:

Natalie Alavi, P.E.
Alireza Asgari, P.E., S.E.
Eric Johnson, P.E.
Elizabeth Mathieson, P.G.,
CEG
Mohammad Qureshi, P.E.,
Ph.D.
Robert Stockton, P.E.

Richard B. Moore, PLS,
Executive Officer
Nancy Eissler, Assistant
Executive Officer
Brooke C. Phayer, Bulletin
Editor



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Future of Geology as a Profession

BY BOARD SENIOR REGISTRAR FOR GEOLOGY AND GEOPHYSICS LAURIE RACCA, P.G.

As the Senior Registrar for Geology and Geophysics, I am often asked about “the future of geology as a profession” by both students and professionals. I’m happy to report that the future of the geology profession is bright. This is reflected in the increase in the number of Geologist-in-Training (GIT) and Professional Geology (PG) applicants over the 2014–2018 time period. The number of applicants taking the National Association of State Boards of Geology (ASBOG) Fundamentals of Geology examination required for both the GIT and PG have increased from 138 in 2014 to 321 in 2018. The number of applicants taking the ASBOG Practice of Geology examination to qualify for the PG has increased from a low of 101 to a high of 166 over the same time period, and the number of applicants taking the California Specific Exam have also increased from a low of 116 to 239 during the past four years. The examination statistics are available on the BPELSG website here: www.bpelsg.ca.gov/applicants/exam_statistics.pdf.

As part of our mission of public protection, BPELSG monitors information gathered by reputable sources as part of our ongoing efforts to ensure that the procedures we use to evaluate minimum competency are appropriate and reflective of the professions we regulate. One of the primary sources of information we use regarding trends in academic enrollment and workforce issues is the American Geosciences Institute (AGI) Geoscience Currents (www.americangeosciences.org/geoscience-currents) and Geoscience Workforce (www.americangeosciences.org/workforce) reports. AGI is a nonprofit federation of more than 50 geoscientific and professional organizations founded in 1948 under a directive of the National Academy of Sciences.

According to data collected by AGI, the number of geoscience degrees awarded in the United States has generally increased since 1991 after a sharp drop in the 1980s. This trend appears to be continuing based on

the most recent data available for 2016–2017. The AGI data also shows that although the employment sectors that hire geologists have changed over time, hiring of recent graduates remains strong with the majority of graduates finding a job within the profession. The available employment projections for geoscientists through 2022 show a net increase overall when compared to other science, technology, engineering, and mathematics (STEM) graduates. The largest increases are projected for those pursuing careers in petroleum, environmental fields, and water resources. Median annual salaries of geoscientists compare favorably overall with STEM occupations.

Additionally, while the primary focus of the Board’s outreach efforts is licensure, the Board encourages young people to consider a career in engineering, land surveying, or geology/geophysics when logical opportunities to do so arise. For example, the Department of Conservation California Geological Survey (CGS) invited the Board to participate in the 8th Annual Science Day at California State University, Stanislaus, in March. The CGS and BPELSG staff provided information regarding California geology and geoscience careers to the more than 3,000 people who attended the event.

The need for a competent geoscience workforce to serve the citizens of California was recognized by the Legislature more than 50 years ago with the passage of the Geologist Act. The recent trends in geoscience education and job growth as documented by AGI, and the continuing interest in STEM fields demonstrated by public turnout to events such as the CSU Stanislaus Science Day, appear to confirm vigorous geoscience interest in California.



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Get to Know Our Licensees

Getting to Know Our Licensees: Jim O'Tousa, CEG, QSD, CPESC, County Geologist, Ventura County



What attracted you to geology as a career, and what positions have you held as you advanced your career?

From a young age, I was always attracted to geology. I consistently questioned and found wonderment in mountains and why they formed in certain places. I have held typical geology

positions including staff geologist, engineering geologist, principal geologist, and county geologist.

Where did you attend school (post high school) and what degrees do you hold?

I attended Occidental College; California State University, Northridge; California State University, Los Angeles; and California Lutheran University. I obtained Bachelor of Science, Master of Science, both in geology, and Master of Business Administration degrees.

What value does your professional license represent to you, and how has it helped in your career?

My professional license allows me to use my knowledge and skill set to help my community. The license provides a level of expertise that helps in responding to emergencies and conducting hazard assessments. In addition, it has helped my career by providing opportunities in a wide range of areas within the geology field. From geologic hazards to mineral resources, my license demonstrates my expertise in a variety of geologic factors.

You currently serve as a subject matter expert for the Board's examination workshops; please give us your thoughts on the examination development process. Would you encourage other licensees to participate?

Serving as a subject matter expert for the Board's examination workshops provides an opportunity to give back to the profession that I made my career, as well as working with the Board staff and other subject matter experts has broadened my knowledge. I would hope and encourage that all licensees at some point in their career give back and serve the Board. The workshops are an excellent way to gain perspective and meet geologists from all over the state.

You currently work for Ventura County. What drew you to public service?

I was drawn to public service as a way to provide knowledge and expertise to help the larger group of citizens of Ventura County. Ventura County Public Works Agency is an excellent place for geologists to work with lots of different geologic conditions and projects.

What are your responsibilities and duties in your current position?

My duties and responsibilities range the entire breadth of geology. I provide assessment and recommendations to other county agencies, public meetings, private development projects regarding the myriad of potential geologic conditions and effects on projects within Ventura County—including petroleum resources, groundwater resources, water resources, surface mining, fault hazards, coastal hazards, hillside hazards, post wildland fire debris flows, paleontological resources, and dams. I also assist with developing content and presenting at public meetings and act as a media contact within the Public Works Agency when emergencies hit. The interaction of public infrastructure, public services, and development with the various geologic conditions allows my responsibilities and duties to continually change, providing variety and opportunity for personal development.

Briefly discuss the biggest challenges you face as a geologist in your career.

The biggest challenges I have faced as a geologist have been the dissemination of necessary information to interested parties without crossing boundaries and being able to discuss geologic processes in a meaningful way that is easily understood.

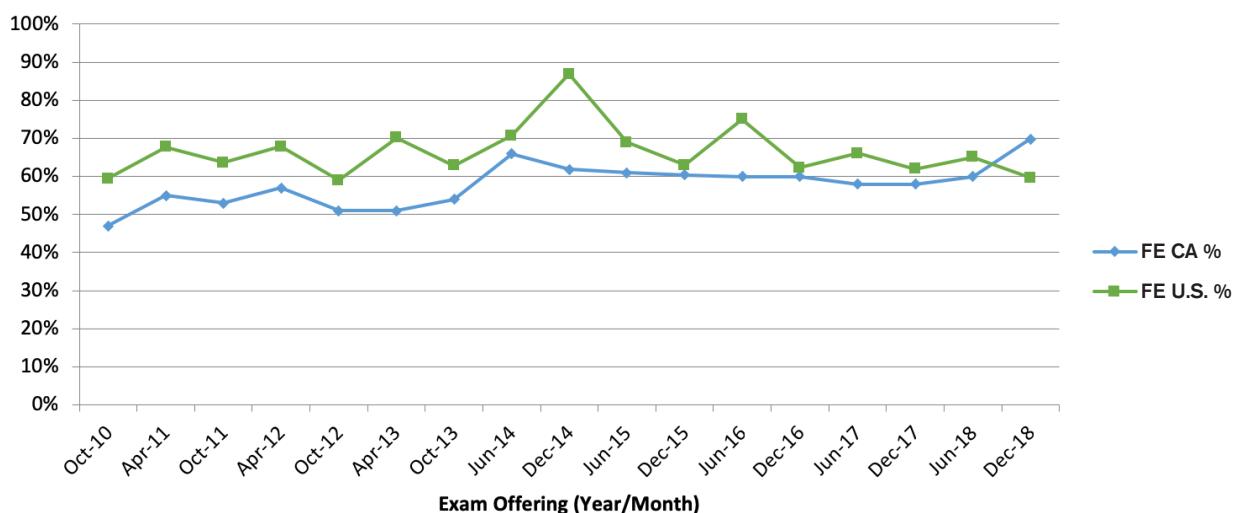
Do you have any advice for geology students or geologists just beginning their careers?

The advice I would provide to geology students or geologists just beginning their careers is to learn and keep learning how to be efficient with computers at data collection, data compilation, data evaluation, and data presentation. I also would strongly encourage them to continue their education and consider fields of study to support their geologic knowledge.

Digging Deeper: Understanding Our Certificate Holders and Licensees

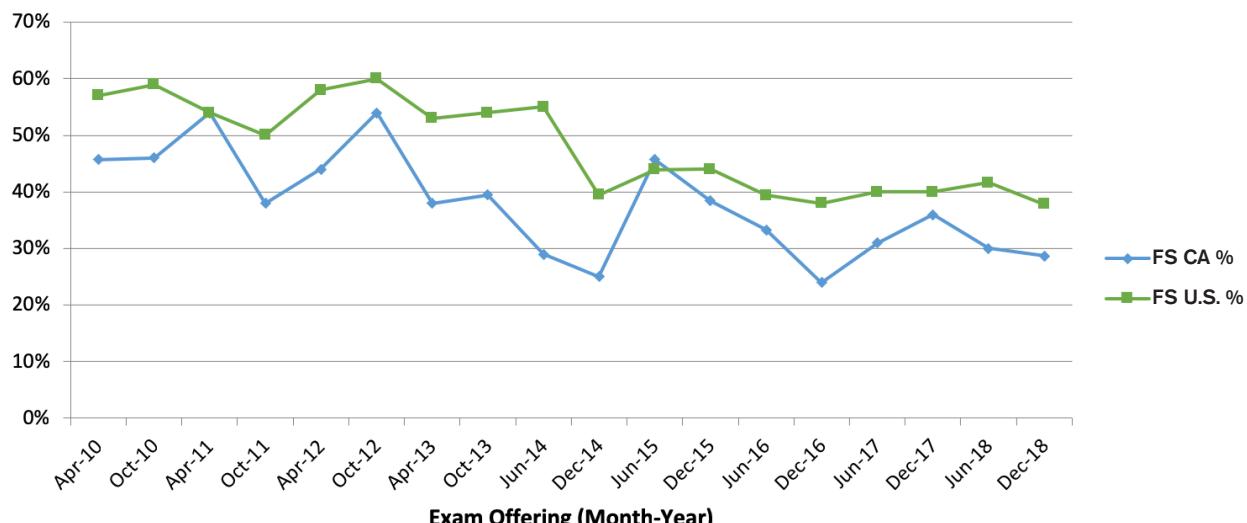
Board staff continually tracks, researches, and analyzes trends and changes in our applicant and licensing population to examine growth and achievement. Each year our fall *Bulletin* focuses on this research. Here we would like to share information with our readers regarding our in-training certificate holders and licensees. The first two charts identify the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Engineering (FE) and Fundamentals of Surveying (FS) pass rates for California test takers versus the national average. The Fundamentals of Geology (FG) chart provides pass rates for California test takers versus the national average from the National Association of State Boards of Geology (ASBOG). The information in the charts dates back to 2010 and extends to the end of 2018.

FE Pass Rates (CA vs. U.S.)



Source: NCEES

FS Pass Rates (CA vs. U.S.)



Source: NCEES

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Digging Deeper (continued from page 7)

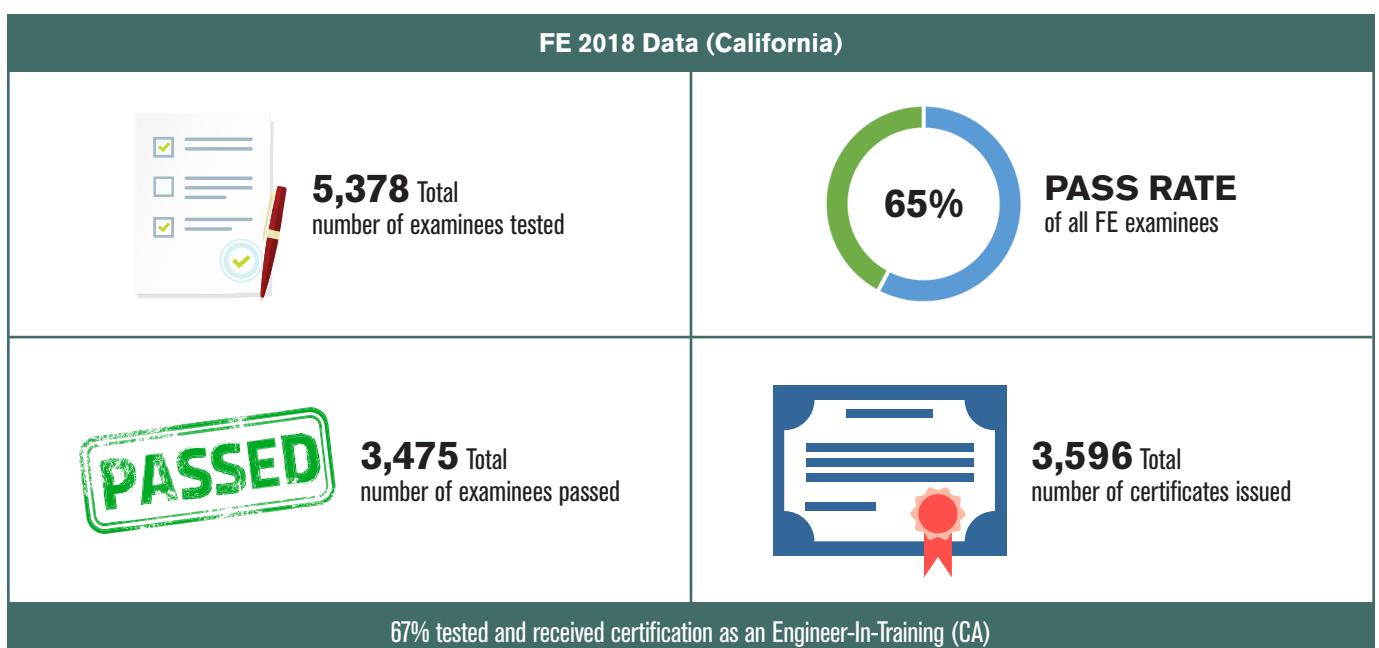
FG Pass Rates (CA vs. U.S.)



Source: ASBOG

Fundamentals Exam Stats

Fundamentals of Engineering (FE), Fundamentals of Surveying (FS), and Fundamentals of Geology (FG) exams are crucial components to the initial licensing process. Passing these exams puts one on the path toward professional licensure. The FE and FS charts below provide data from the National Council of Examiners for Engineering and Surveying (NCEES) exam provider (www.ncees.org). The FG chart provides data from the National Association of State Boards of Geology (ASBOG) exam provider (www.asbog.org). After passing the exam, individuals seeking to continue on to licensure may apply to the Board for an Engineer-In-Training (EIT) or Land-Surveyor-In-Training (LSIT) certificates. Individuals seeking a certificate as a Geologist-In-Training (GIT) must apply to the Board prior to sitting for an exam.



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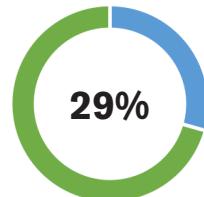


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FS 2018 Data (California)



235 Total
number of examinees tested



PASS RATE
of all FS examinees



69 Total
number of examinees passed



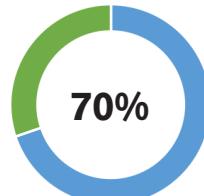
82 Total
number of certificates issued

35% tested and received certification as a Land-Surveyor-In-Training (CA)

FG 2018 Data (California)



321 Total
number of examinees tested



PASS RATE
of all FG examinees



224 Total
number of examinees passed



57 Total
number of certificates issued

FG examinees take the exam for professional license or certification

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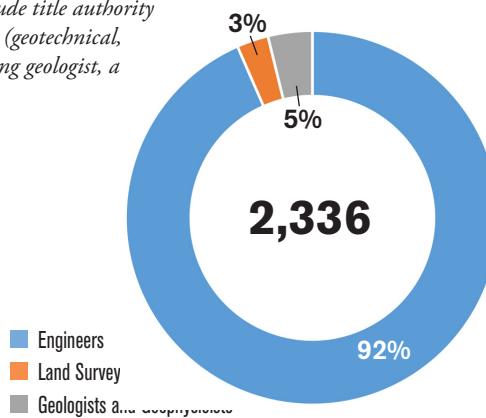
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Digging Deeper (continued from page 9)

Total Licenses Issued

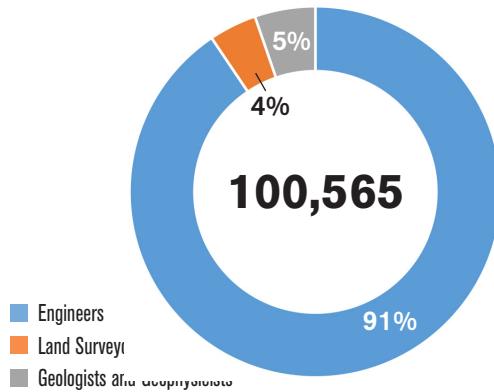
California has the largest state population of licensed engineers in the U.S. We look at this population and number of licensed professionals.

Note: Does not include title authority or certificate holders (geotechnical, structural, engineering geologist, a hydrogeologist).



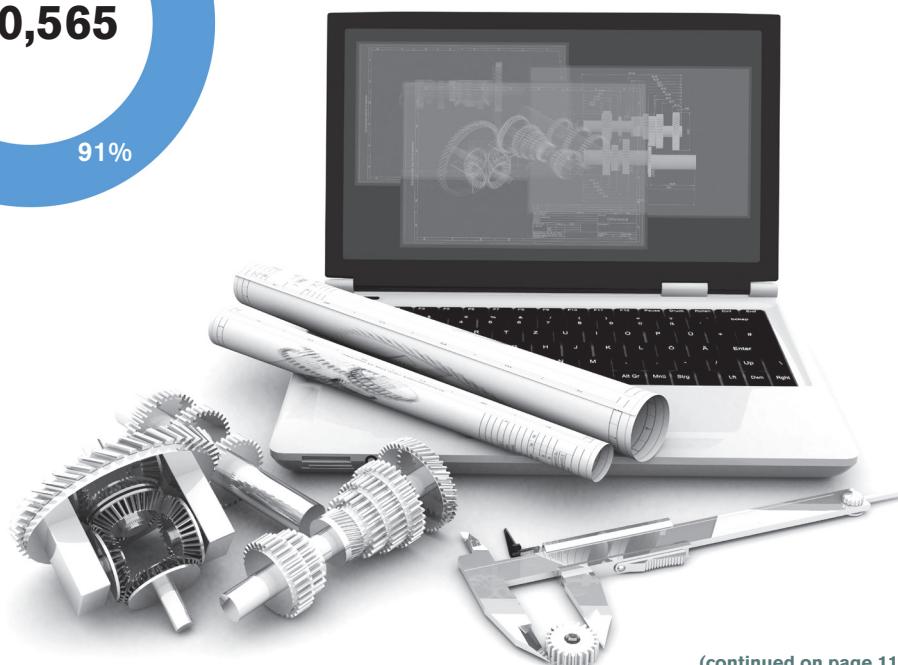
Total Active Licensees

Note: Does not include title authority or certificate holders (geotechnical, structural, engineering geologist, and hydrogeologist).



LICENSE TYPE	ISSUED
Engineers	
Civil	1,046
Mechanical	502
Electrical	453
Chemical	51
Traffic	34
Fire Protection	33
Control Systems	20
Petroleum	8
Industrial	7
Metallurgical	3
Agricultural	1
Nuclear	1
Quality	0
Safety	0
Manufacturing	0
Corrosion	0
Consulting	0
Land Surveyors	
Land Surveyor	60
Geologists and Geophysicists	
Geologist	115
Geophysicist	2

LICENSE TYPE	ACTIVE
Engineers	
Civil	57,807
Mechanical	15,557
Electrical	10,370
Chemical	1,951
Traffic	1,543
Control Systems	907
Fire Protection	830
Nuclear	311
Quality	316
Petroleum	312
Safety	279
Manufacturing	272
Industrial	283
Metallurgical	195
Corrosion	164
Agricultural	120
Consulting	3
Land Surveyors	
Land Surveyor	4,134
Geologists and Geophysicists	
Geologist	5,056
Geophysicist	155



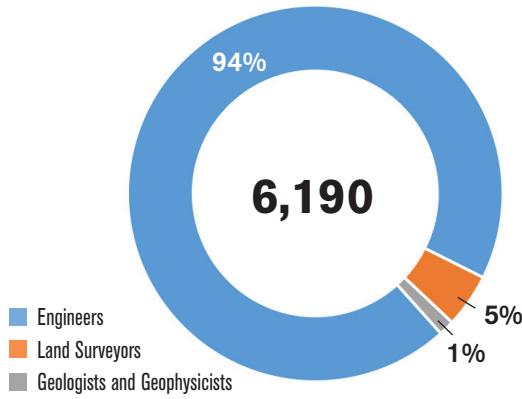
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Digging Deeper (continued from page 10)

Total Retired Licensees

Note: Does not include title authority or certificate holders (geotechnical, structural, engineering geologist, and hydrogeologist).



LICENSE TYPE	RETIRED
Engineers	
Civil	2,372
Mechanical	1,003
Electrical	644
Chemical	135
Traffic	139
Control Systems	319
Fire Protection	74
Nuclear	157
Quality	280
Petroleum	33
Safety	157
Manufacturing	204
Industrial	156
Metallurgical	55
Corrosion	45
Agricultural	43
Consulting	5
Land Surveyors	
Land Surveyor	287
Geologists and Geophysicists	
Geologist	76
Geophysicist	6



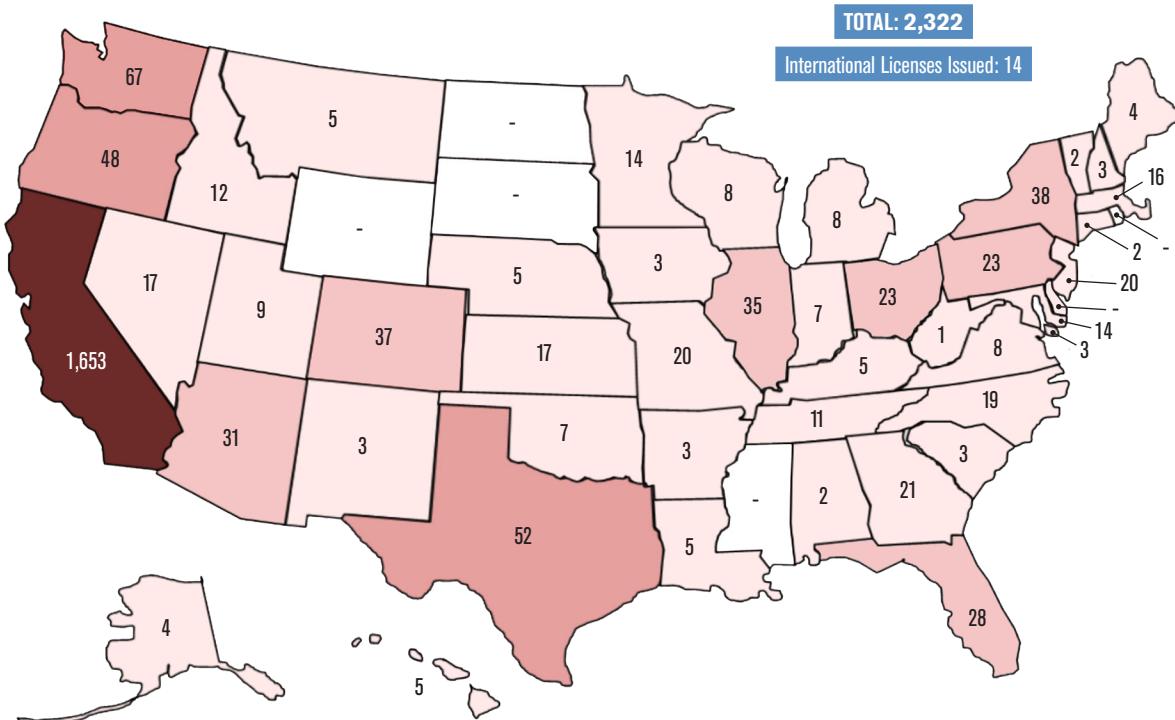
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Digging Deeper (continued from page 11)

California Licensees by State

We display our newly licensed professionals on a national map. The data below identifies the total number of licenses issued in 2018 and the locations of the licensees who applied and received a California license.



Years of Service Among Active Licensees

Our experienced licensees offer a wealth of knowledge in all areas of practice and serve as mentors for future licensees. We see an increase in new licensees from 2017 to 2018; our numbers for all active licensees have increased by almost 1% year over year. Forecasting indicates that licensee numbers are healthy and growing.

YEARS OF SERVICE THROUGH DECEMBER 2018							
	0–10	11–20	21–30	31–40	41–50	51–60	61+
ENGINEERS	28,291	19,347	19,267	15,475	7,221	1,414	169
LAND SURVEYORS	1,096	845	1,176	726	246	42	3
GEOLOGISTS AND GEOPHYSICISTS	1,179	1,502	1,774	539	217	0	0

CHANGE IN LICENSE NUMBERS BY YEARS OF SERVICE FROM 2017 TO 2018							
	0–10	11–20	21–30	31–40	41–50	51–60	61+
ENGINEERS	1,055	-166	-211	-362	-89	-30	-30
LAND SURVEYORS	30	0	-10	-28	-27	-4	-1
GEOLOGISTS AND GEOPHYSICISTS	1	-25	-32	-19	-15	0	0



Enforcement Actions

Citations Issued to Licensees: Fiscal Year 2018–19 (April–June)

Citations are issued to licensed engineers, land surveyors, geologists, and geophysicists when the severity of a violation may not warrant suspension or revocation of the licensee's right to practice. When a fine is levied with a citation, payment of the fine does not constitute admission of any violations charged but represents a satisfactory resolution of the matter, pursuant to Business and Professions Code section 125.9(d). Code sections numbered in the 6700s, 7800s, and 8700s refer to the Business and Professions Code; those numbered in the 400s and 3000s refer to Title 16 of the California Code of Regulations. You can read the laws on the Board's website, www.bpelsg.ca.gov/laws/index.shtml. All final citations are matters of public record. For a copy of the final citation order, or if you have any questions, you may contact the Board's Enforcement Unit at BPELSG.Enforcement.Information@dca.ca.gov or (916) 263-2284. Please include the name of the cited person and the citation number in your request.

Cited Person	Citation No.	Violation Code Section(s)	Date Final	Fine Amount	Status of Fine
ASHCROFT, DAVID	10717-L	6775.2(a)	6/10/2019	\$500	Paid
BRONSON, KEVIN	10705-L	8759(a)(5); 8762(b)(3)	4/18/2019	\$750	Paid
D'ALO, VINCENT	10718-L	8762(b)(4),(5); 8762(c),(d); 8780(b)	6/10/2019	\$1,000	Paid
FERNANDEZ, JOSE	10730-L	6735(a); 8792(a)	4/10/2019	\$750	Paid
FOROUTAN-NAINI, FARDAD	10618-L	6775.2(a)	4/4/2019	\$250	Paid
GREEN, TERRI	10732-L	8767	4/15/2019	\$1,000	
GUMBAN, JOSHUA	10614-L	6749(a)	4/12/2019	\$500	Paid
HESS, BRIAN	10734-L	8759(a)(3); 8762(c)	5/6/2019	\$1,000	Paid
KESSLER, DALE	10727-L	6775(c)	4/8/2019	\$2,500	Paid
MAYER, BERNHARD	10743-L	6775.2(a); 8780.2(a)	6/6/2019	\$1,500	
MAYER, BERNHARD	10741-L	8762(b)(4); 8771(a); 8780(b)	6/6/2019	\$2,000	
MAYER, BERNHARD	10742-L	8729(i); 8761; 8762(b)(4); 8771(a)	6/6/2019	\$2,000	
MIEDEMA, RONALD	10733-L	8759(a)(4),(5); 8780(g)	4/24/2019	\$1,500	Paid
O'TOOLE, ERWIN	10720-L	6775.2(a)	6/6/2019	\$150	Paid
PLOUFF, KACIE	10737-A	8762(b)(4),(5)	5/28/2019	\$1,000	Paid
SALEHI, SHAHRAM	10615-L	6787(a)	4/12/2019	\$500	Paid
TURNROSE, MICHAEL	10714-L	8762(b)(2)	5/4/2019	\$500	Paid

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Enforcement Actions (continued from page 13)

Citations Issued to Unlicensed Individuals: Fiscal Year 2018–19 (April–June)

Citations are an alternative to criminal prosecutions that the Board can use to enforce the laws prohibiting the unlicensed practice of engineering, land surveying, geology, and geophysics, or other activities for which a license is required. When a fine is levied with a citation, payment of the fine does not constitute admission of any violations charged but represents a satisfactory resolution of the matter pursuant to Business and Professions Code section 125.9(d). Code sections numbered in the 6700s, 7800s, and 8700s refer to the Business and Professions Code; those numbered in the 400s and 3000s refer to Title 16 of the California Code of Regulations. You can look up the code sections and read the laws on the Board's website, www.bpelsg.ca.gov/laws/index.shtml. All final citations are matters of public record. For a copy of the final citation order, or if you have any questions, you may contact the Board's Enforcement Unit at **BPELSG.Enforcement.Information@dca.ca.gov** or (916) 263-2284. Please include the name of the cited person and the citation number in your request.

Cited Person	Citation No.	Violation Code Section(s)	Date Final	Fine Amount	Status of Fine
KAL, MIKE	10559-U	8792(a),(i)	5/17/2019	\$10,000	
MARTINDALE, JOHN	10625-U	6787(a)	5/17/2019	\$500	Paid

Formal Administrative Disciplinary Decisions: Fiscal Year 2018–19 (April–June)

A formal disciplinary decision is considered formal administrative disciplinary action against a licensee. It results from the Board's adoption of a proposed decision prepared by an administrative law judge following a hearing, a stipulated settlement agreement, or a default decision following a full investigation and the filing of an accusation. An accusation is a formal legal document that notifies a licensee of the Board's charges and allegations of violations against the licensee and that requests a disciplinary order be issued. The licensee is entitled to contest the charges at a formal hearing before an administrative law judge or to agree to a stipulated settlement. A final disciplinary decision contains findings and determinations or statements of advisements, waivers, and culpability and a disciplinary order. If there are findings of violations, the order may include revocation or suspension of the license, a stayed revocation or suspension of the license with a probationary period and terms and conditions of probation, or a public reproof. In the alternative, the decision may find that no violations or violations of a de minimis nature occurred and order the dismissal of the accusation. All final disciplinary decisions are matters of public record. For a copy of the final decision, or if you have any questions, you may contact the Board's Enforcement Unit at **BPELSG.Enforcement.Information@dca.ca.gov** or (916) 263-2284. Please include the name of the respondent and the case number in your request.

Respondent	Case Number	Effective Date	Disciplinary Order
HALL, GARY	1167-A	5/17/2019	Revocation, stayed; probation
PARKINSON, CRAIG	1166-A	5/17/2019	Revocation, stayed; probation



Legislation and Regulation News and Updates

Every legislative session the Board tracks and analyzes bills that potentially impact the Board's operations, the licensed professions the Board regulates, and the statutes that determine that authority. We consistently strive to identify, analyze, and advertise at public Board meetings the bills introduced that may change the landscape of our statutory authority. For more information on upcoming Board meetings and to download meeting materials, go to www.bpelsg.ca.gov/about_us/meetings/index.shtml. The following is a summary of tracked legislation and current regulations:

Legislation

Assembly Bill 544—Professions and vocations: inactive license fees and accrued and unpaid renewal fees http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB544

Assembly Bill 613—Professions and vocations: regulatory fees http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB613

Assembly Bill 1522—Board for Professional Engineers, Land Surveyors, and Geologists http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1522

Senate Bill 53—Open meetings http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB53

Senate Bill 339—Land surveyors http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB339

Senate Bill 556—Professional land surveyors and engineers http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB556

Regulations

All information pertaining to rulemaking proposals can be found on the Board's website at www.bpelsg.ca.gov/about_us/rulemaking.shtml.

In Memoriam

In celebration of the lives and contributions of the following professionals, BPELSG recognizes professionals licensed as engineers, land surveyors, or geologists who recently passed away. Below is a list of individuals who have departed during the fourth quarter of April through June. This list may not include all those who have recently passed away, as we rely on information from the public, other licensees, and family members. Please contact BPELSG regarding individuals who have recently passed.

Name	License Number	Years of Service
Engineers		
James Lee Blankenship	C 50031	26 yrs.
Fred Vidana Contaoi	C 27783	42 yrs.
Mario Paul Di Giovanni	CH 3615	40 yrs.
Charles William Hurter	M 11524	62 yrs.
Chi Shing Lee	C 50977	26 yrs.
Michael Steven Lewis	M 26124	30 yrs.
Thomas Steven Raines	M 20785	38 yrs.
William Gann Rippey	CS 1150	42 yrs.
Frank J. Thomas	M 11953	60 yrs.
Geologists		
Dana Robert Brown	GEO 7188	18 yrs.
Land Surveyors		
Marilyn Brooks	L 5831	31 yrs.
Donald E. Bushnell	L 2786	66 yrs.
John Lee Walters	L 5819	32 yrs.
Multiple Licenses		
Lloyd S. Cluff	GEO 1725 EG 567	49 yrs. 49 yrs.
Howard Thompson Parsell	C 18211 S 1723	51 yrs. 48 yrs.
Edward Schillinger	L 3797 C 25283	49 yrs. 49 yrs.
Ofer Ozzie Sendowski	C 65643 CH 5837	21 yrs. 61 yrs.
S. J. Smith	M 11799 CS 4624	61 yrs. 40 yrs.

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OUTREACH EVENTS: 2nd Quarter: April–June 2019

Student/University Outreach

April 3–4: Cal Poly, San Luis Obispo

Several presentations on the path to professional licensure by Mike Donelson, P.E., and Brooke Phayer.



April 11–12: San Diego State University

Several presentations on the path to professional licensure by Mike Donelson (below), P.E., and Brooke Phayer.



April 12: California State University, Sacramento

Laurie Racca, P.G., teamed with a representative of the California Geological Survey for a presentation to geology students and faculty regarding professional licensing requirements. The presentation encouraged students to begin taking control of their future careers by understanding licensing requirements, explained how having a professional license affects their career options, and encouraged attendees to keep up-to-date both with the standards of the profession and with activities at the Board.

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Outreach Events (continued from page 16)**April 17-19:** San Jose State University

Outreach coordinator Brooke Phayer attended the annual Mid-Pacific Conference for civil engineering programs, which included the University of California, Berkeley; Chico State; San Francisco State; San Jose State; Santa Clara University; University of California, Davis; Sacramento State; University of the Pacific; and Fresno State.

**April 18:** California State University, San Bernardino

Student/faculty presentation to provide information regarding professional licensing requirements by Laurie Racca, P.G.

April 23: University of California, Riverside

Presentations on the path to professional licensure: two student presentations and one faculty presentation by Natalie King, P.E., and Mike Donelson, P.E.

**April 23:** University of California, Los Angeles

ASCE student chapter presentation on the path to professional licensure by Mike Donelson, P.E., and Natalie King, P.E.

**April 25:** Cal Poly, Pomona

ASCE student chapter presentation on the path to professional licensure by Natalie King, P.E.

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Outreach Events (continued from page 17)

April 25: California State University, Fullerton

ASCE student chapter presentation on the path to professional licensure by Natalie King, P.E.

April 30: University of California, Davis

ASCE student chapter presentation on the path to professional licensure by Natalie King, P.E.



May 1: California State University, Northridge

Presentation on the path to professional licensure by Mike Donelson, P.E.

May 6: California State University, Sacramento

Presentation on the path to professional licensure by Natalie King, P.E., and Mike Donelson, P.E.

May 7: California State University, Sacramento

Additional presentation by Natalie King, P.E.

May 17: University of California, Riverside

Laurie Racca, P.G., encouraged students to obtain their Geologist-in-Training certificate by taking the national Fundamentals of Geology examination as soon as they are qualified.

June 6: University of California, Davis

Senior Project Day attended by Mike Donelson, P.E., and Brooke Phayer with video interviews by the Department of Consumer Affairs' Office of Public Affairs.

Professional Outreach

April 17: San Diego

Record of Survey Workshop given by Dallas Sweeney, PLS, and Ric Moore, PLS.

April 26: Turlock

Record of Survey Workshop given by Dallas Sweeney, PLS, and Ric Moore, PLS.

April 26: Redding

ASCE Shasta Branch presentation on the process of obtaining a license in California by Dr. M. Qureshi, P.E., who visited with the Shasta Branch of ASCE as it attempts to re-launch its branch. There were 17 audience members who were mostly recent graduates interested in licensure as civil or electrical engineers.

(Note: See photos of event under "Board News" on page 4.)

May 15: Webinar

The Board's Geology and Geophysics Program participated in a California-specific licensure webinar hosted by the American Geosciences Institute Geoscience Online Learning Initiative. This webinar was a follow up to the joint BPELSG/National Association of State Boards of Geology, February 2019 webinar providing an overview of geology licensing. This webinar was divided into two parts and covered the following:

- California Professional Geologist License Qualification Requirements
 - Types of licenses (P.G., PGp, CEG, CHG)
 - Qualification requirements

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Outreach Events (continued from page 18)

- Overview of the application process
- Understanding Key Concepts in California Geology License Laws and Regulations
 - Brief history of licensure in California
 - Common myths and misconceptions
 - Important concepts

The webinar was recorded and is available online for free viewing here: www.americangeosciences.org/webinars/professional-geologist-licensure-requirements-california-2019.

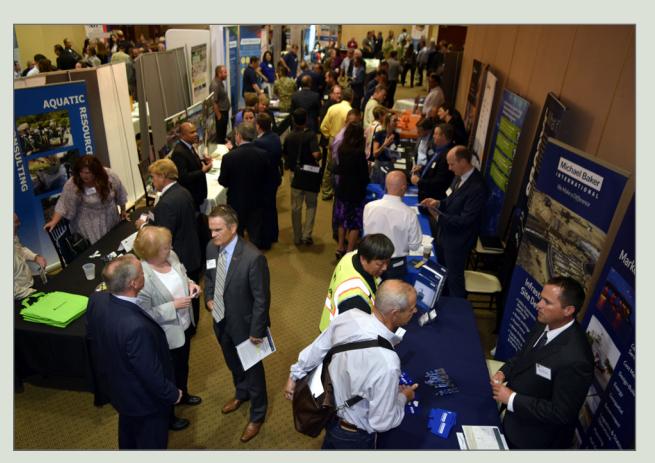
Laurie Racca, P.G., participated in the organization and presentation of this webinar.

June 18–19: Bakersfield and Long Beach

The California Department of Conservation (DOC), Division of Oil, Gas and Geothermal Resources (DOGGR), requested that the Board provide presentations on licensure requirements to staff in each of their offices. Enforcement Manager Tiffany Criswell, Senior Registrar Mike Donelson P.E., and Senior Registrar Laurie Racca P.G., provided information to staff in these DOGGR regional offices. Additional presentations are planned for other DOGGR offices throughout the summer.

June 20: Camp Pendleton Military Base

Information on the path to professional licensure for current and retired military personnel given by Mike Donelson, P.E., at the annual military educational event.


June 26: Ventura

Monument Preservation Seminar given by Dallas Sweeney, PLS.

June 26: Santa Barbara

Monument Preservation Seminar given by Dallas Sweeney, PLS.

June 26: Altec Engineering

Presentation on the path to professional licensure given by Mike Donelson, P.E.

June 27: Santa Maria

Monument Preservation Seminar given by Dallas Sweeney, PLS.



BULLETIN

Board Speakers Available

BPELSG continues its efforts to reach out to groups interested in any of the broad array of BPELSG functions. As part of this outreach effort, we have speakers available to present at meetings and events. Speakers include Executive Officer Ric Moore, PLS; Assistant Executive Officer Nancy Eissler; Enforcement Manager Tiffany Criswell; Senior Engineering Registrars Natalie King, P.E., and Mike Donelson, P.E.; Senior Land Surveyor Registrar Dallas Sweeney, PLS; and Senior Geology Registrar Laurie Racca, P.G.

Our Enforcement, Licensing, Examination, and Outreach units all have speakers authorized to represent BPELSG. To request a speaker, we will need the following information: size of group, location, time, length and type of presentation, and proposed subject matter. Appropriate advance notice is always appreciated. Current and former BPELSG members may also appear on BPELSG's behalf, depending on availability.

For more information, contact BPELSG outreach coordinator Brooke Phayer at Brooke.Phayer@dca.ca.gov or (916) 263-2239.

Contact Us

California Board for Professional Engineers, Land Surveyors, and Geologists
2535 Capitol Oaks Drive, Suite 300, Sacramento, CA 95833

ADMINISTRATION

Executive Officer	Ric Moore	(916) 263-2222
Assistant Executive Officer	Nancy Eissler	(916) 263-2222
Administration Supervisor	Jeff Alameida	(916) 263-2222

ENFORCEMENT AND COMPLAINTS

(916) 263-2284

FINGERPRINTING

(916) 263-2325

LICENSEURE AND CERTIFICATION QUALIFICATIONS OR APPLICATIONS

EIT(FE), LSIT(FS), GIT(FG) Certifications	(916) 263-2222
PE Licensure Qualifications or Applications	(916) 263-2222
PLS Licensure Qualifications or Applications	(916) 263-2222
All Geologists and Geophysicists	(916) 263-2222

LICENSE RENEWAL

Vicki Kereszt (916) 263-2268

OUTREACH

Brooke Phayer (916) 263-2239

SENIOR REGISTRARS (FOR PROFESSIONAL LICENSES)

Engineers (Civil, Structural, Traffic, and Geotechnical)	Natalie King, P.E.	(916) 263-2222
Engineers (Other Than Civil, Structural, Traffic, and Geotechnical)	Michael Donelson, P.E.	(916) 572-2248
Geologists and Geophysicists	Laurie Racca, P.G.	(916) 263-2406
Land Surveyors	Dallas Sweeney, PLS	(916) 263-2271

WEBMASTER

Celina Calderone (916) 263-2230

BPELSG Subscribers List Reminder

Receiving email notifications regarding meetings, legislation, or e-news from BPELSG couldn't be easier. Simply join our subscribers list on BPELSG's website. You will then be connected to new editions of the *Bulletin*, notified when BPELSG holds meetings, and receive information related to consumers, candidates, or licensees.

Joining the subscribers list can be done in just a few easy steps:

1. Visit BPELSG's website at www.bpelsg.ca.gov.
2. Click on "Subscribe to the Board's Email List" in the "Quick Hits" section.
3. Enter your email address and the specified text or audio link to validate submission of your data.
4. Click on "Submit," then you will receive a confirmation email.



California Board for Professional Engineers,
Land Surveyors, and Geologists
Tel (916) 263-2222 • Fax (916) 263-2246
www.bpelsg.ca.gov

Board Calendar

October

10/4: ASBOG Exams	10/25: NCEES PE Exams:		
10/8: Calif. CSE PG Exam	Civil	Control Systems	
10/9: Calif. PGp, CEG, and CHG Exams	Electrical	Fire Protection	
10/24: Calif. Traffic Exam	Mechanical	Metallurgical	
	Nuclear	Petroleum	
10/25–26: NCEES Structural 16-Hour Exam			
10/29: Calif. PLS Exam			

November

11/1–15: Calif. Geotechnical Exam
11/11: Veterans Day—Board Office Closed
11/21–22: Board Meeting, Location TBD
11/28–29: Thanksgiving—Board Office Closed

December

12/25: Christmas Day—Board Office Closed
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Continuous testing exams:

CA Civil: Seismic Principles Exam and Engineering Surveying Exam; NCEES PS, Chemical, and FE/FS



BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS



Social Media: BPELSG Facebook and Twitter Pages

BPELSG is posting to its social media outlets information of interest to postsecondary institutions, students, and professional groups on a regular basis. This information includes regulatory changes, updates to our website, interesting articles, useful resources, and a host of other BPELSG-related data.

For those institutions that communicate with students through email or some other means, we invite you to share this information with them. BPELSG is eager to use these social media outlets as an ongoing way to reach our stakeholders. Thank you for your assistance in spreading the word.

Please take a minute to like us on Facebook and follow us on Twitter:

 **Facebook**—www.facebook.com/pages/The-Board-for-Professional-Engineers-Land-Surveyors-and-Geologists/107020752801578

 **Twitter**—twitter.com/CA_Engineers



1625 North Market Blvd.
Sacramento, CA 95834
www.dca.ca.gov