



BULLETIN

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BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

PROTECTING CONSUMERS SINCE 1929
DEPARTMENT OF CONSUMER AFFAIRS

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Board Members

Erik Zinn, P.G., C.E.G., President
Kathy Jones Irish, Vice President
Diane Hamwi
Carl H. Josephson, S.E.
Coby King
Mike S. Modugno, P.E.
Philip Quartararo
Hong Beom Rhee, Ph.D.
Ray Satorre
William "Jerry" Silva
Robert Stockton, C.E.
Patrick J. Tami, P.L.S.

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Message from Executive Officer Richard B. Moore, P.L.S.



BPELSG has made great strides over the last two years. A more complete integration of the Geology and Geophysicist Program within the Board's overall processes, finalizing the conversion of state licensing examinations to computer delivery model, and revitalizing the budget appropriation so expenditure of funds focused more on the priorities necessary to effectively serve our customer base, just to name a few.

BPELSG has been fortunate over the years in that generally the hard working staff and the appointed Board Members sincerely care about the outcome associated with their responsibilities and the impact their decisions and actions have on applicants, licensees and more importantly the public. Not every organization benefits from that consistency that proliferates throughout and I would suspect that even some of our own don't even recognize this collaborative link shared amongst us.

BPELSG was honored to be selected as the Host Board for NCEES's Western Zone Interim Meeting held April 18-20 in San Francisco. Hosting this meeting gave quite a few of our Board Members and Staff the opportunity to experience first-hand discussions on the national level pertaining to our licensing responsibilities. It also served to highlight to NCEES and the surrounding western states that California was serious when it pertains to licensing professionals.

Geology News

March Exams

March 2013 geology exams were a great success. The 65 candidates who took the FG exam scored right at the national pass rate of 62%. More than 20% of those who took the PG exam nationwide took it in California! California candidates who took the PG exam also equaled the national pass rate of 74% on that exam. The pass rate for the CSE exam was 60%.

October Exams

The national (ASBOG) exams will be held in Sacramento on October 4. The CSE exam will be held on October 10. The CEG, CHG, and Geophysicist exams will be held on October 11. The final filing date for new applicants was July 1. For re-file applicants, the final filing date is July 30.

We Need You!

Throughout the year, the Geology Program uses numerous licensees to help with exam development, validation, standard setting, and to review complaints and enforcement cases. We also need volunteers to field test newly developed exams. We need both new licensees and long-time experienced licensees to help with these endeavors. Our consultants work under contract and are paid an hourly wage in addition to reimbursement for travel expenses. Please help to promote your profession by giving the Board a few days of your time. We can't do it without you! Call Jaime at (916) 263-1855 to volunteer.

Message from Outgoing President

William "Paul" Wilburn



It is with great pleasure that I served the Board as President this past year. The Board and Board Staff worked hard and the resulting accomplishments were many and significant. Focus on enforcement increased throughout the year and

resulted in the processing of more complaint cases, thus helping to protect the life, health, property and welfare of the public. The transition of national exam administration to NCEES and the conversion of California state exams to computer based testing proved successful and has allowed licensing candidates greater flexibility in selecting when and where to take their exams. The Board and Board Staff served as representatives and observers in support of the national ABET reaccreditation process at several colleges and universities up and down the state. Board staff worked extensively throughout the year in planning, coordinating, and ultimately hosting the NCEES Western Zone Meeting in San Francisco in April to great success and many favorable complements. With the appointment of four new members to the Board and the reappointment of others this year, the Board is strong and healthy moving into the new year. Finally, thank you to the Board, Board Staff and Executive Officer for all of your support and hard work this year. With that, I happily welcome Erik Zinn, P.G., C.E.G., to the President's seat for next year and look forward to many more successes in the months ahead.

Best Regards,
William "Paul" Wilburn, P.E.

Message from Incoming President

Erik N. Zinn, P.G., C.E.G.

I am thrilled and inspired by the Board's recent decision to make me their President. Although it will be difficult to fill the shoes of outgoing President Wilburn, I will endeavor to continue the outstanding work done in the past year by the Board and the passionate BPELSG Staff. We will strive to continue streamlining all of our processes - applications, test administration, license renewals and especially enforcement, as well as intensifying our ongoing public outreach program. It is an honor to serve in this position and I will do my best to fulfill the expectations of the Board and perpetuate the improvement of our services to our consumers and licensees.

Erik N. Zinn, P.G., C.E.G.

SPEAKERS AVAILABLE

The Board continues in its efforts to reach out to groups interested in any of the broad array of Board functions. To that end we have speakers available for such groups. Among those who may appear before an audience are Executive Officer Ric Moore, P.L.S., Susan Christ, P.E., Mike Donelson, P.E., Ray Mathe, P.L.S., and Nancy Eissler, head of enforcement for the Board, among others. The topic of discussion will help determine the staff person that may appear. Our Enforcement, Licensing, Examination, and Outreach Departments all have speakers authorized to represent the Board on various areas of interest. To request a speaker we will need some specifics: size of group, location, time, length and type of presentation, proposed subject matter to be addressed, along with appropriate advance notice.



Others that may appear on the Board's behalf are both current and former board members, depending on availability. Please let us know if you would like us to make a presentation to your group. Please contact the Outreach Administrator at the Board for additional information. Every effort will be made to accommodate your request.

New Board Member Appointments



Diane Hamwi, 47, of Los Angeles, has been appointed to the California Board for Professional Engineers, Land Surveyors and Geologists. Hamwi has been principal and owner at DCH Advisors Inc. since 2008. She was director of development and marketing at EMILY's List from 2010 to 2011, western states finance director at Hillary Clinton for President from 2007 to 2008 and national finance director at Jon Tester for Senate in 2006. Hamwi was an independent political consultant from 2003 to 2008, Southern California finance director for the Governor Gray Davis Reelection Campaign from 2001 to 2002 and interim director at the Governor's Office on Service and Volunteerism in 2000. She served as a policy analyst at the Governor's Office of Planning and Research from 1999 to 2000 and was a fundraiser at Jane Harman for Governor in 1998. Hamwi was an account executive at Rogers and Associates from 1997 to 1998 and special assistant to the state director of the Clinton-Gore Coordinated

Campaign in California from 1995 to 1996. Hamwi earned a Master of Public Administration degree from George Washington University.

Coby King, 52, of West Hills, has been appointed to the California Board for Professional Engineers, Land Surveyors and Geologists. King has been a public affairs executive at Ek and Ek since 2012. He was senior vice president for California corporate and public affairs at the MWW Group from 2008 to 2012, president and chief executive officer at Coby King Communications from 1999 to 2008 and vice president, public affairs at Rogers and Associates from 1997 to 1999. King was an attorney at Manatt Phelps and Phillips LLP from 1995 to 1997, legal counsel at the California State Board of Equalization from 1993 to 1995 and an attorney at Skadden Arps Slate Meagher and Flom LLP from 1991 to 1993. King earned a Juris Doctorate degree from Georgetown University Law Center.



Technical Advisory Committee Vacancies

The Board is accepting applications to fill vacancies on its civil engineering, structural engineering, and land surveying Technical Advisory Committees (TACs).

The TACs advise and assist the Board and its staff on civil engineering, structural engineering, and land surveying matters. Each TAC usually meets as needed to support the Board; however, individual TAC members may also be asked to assist Board staff in reviewing applications for licensure, enforcement complaint investigation cases, and other technical issues.

Each TAC consists of a maximum of five members who are appointed by the Board. In addition, two Board members (one professional member in the appropriate discipline and one public member) and a staff person are assigned as liaisons to each TAC. The TAC members serve a two-year term and can be reappointed for two additional two-year terms. TAC members receive per diem and expenses but are not paid.

Applicants for appointment to the TACs must be civil or structural engineers or land surveyors and must hold current, valid, and unrestricted licenses.

Applicants for appointment to the TACs must be civil or structural engineers or land surveyors and must hold current, valid, and unrestricted licenses. Additionally, applicants must not have been subject to enforcement action by the Board and must not be under investigation by the Enforcement Unit of the Board.

The Technical Advisory Committee Member Application Form is available on the Board's web site, www.bpelsg.ca.gov/pubs/forms/tac_application.pdf. The TAC application may also be obtained by calling the Board office at 1-866-780-5370 (toll free). Once received, the applications will be reviewed by the Board member and staff liaisons to the TACs.

CALIFORNIA UNIVERSITY NEWS

Cal State University Northridge Wins First Place in Regional Bridge Competition

The California State University Northridge chapter of the American Society of Civil Engineers' (ASCE) Steel Bridge team won first place at the Pacific Southwest Conference for their 92-pound bridge and will be advancing to nationals.

They earned the right to compete against the likes of Massachusetts Institute of Technology and University of California at Berkeley at the national competition.

Competitive times are usually under 10 minutes. This year, CSUN had the winning time of six minutes and 48 seconds.

The team, which consists of about 25 contributing members of the ASCE club, broke the preparation into phases to prepare for the competition.

The Steel Bridge competition is among the most competitive of all the ASCE National's activities along with the Concrete Canoe competition, in which CSUN will also compete.

The team expected nearly 50 schools to be at nationals in Washington, many of whom have had help from professional welders. CSUN's steel bridge was prepared entirely by students.

*Mike S. Modugno Consulting, Inc.
Electrical Consultant*

Steve Gadomski, P.E.
California State University Northridge
11574 Seminole Circle
Porter Ranch, CA 91326

April 14, 2013

Dear Steve,

It has come to my attention that CSUN has won the ASCE Pacific Southwest Conference 2013 "Steel Bridge Competition". This is a significant achievement for the Engineering School and indeed for the entire University.

I would like to personally congratulate you, your staff, and the students for a job well done.

Your dedication to engineering education over these many years is instrumental in training our next generation of engineers required to keep our nation and California competitive.

I would like you also thank you for your continued support of, and promotion of, Licensure of Professional Engineers at the University. When I graduated from CSUN in 1971 I never even heard of the EIT or even the fact that engineers could become professionally registered. Your presence on campus was a voice in the wilderness but you have been consistent and it is paying dividends.

If we at the Board (BPELSG) can be of any help and give us a call and we will make a considered effort to support your ongoing outreach to have your graduates become licensed Registered Engineers and Geologists.

Congratulations again,

Mike Modugno P.E.

Board Member, California Board for Professional Engineers,
Land Surveyors, and Geologists

Relevancy: Why Student Competitions Help Promote Civil Engineering

*Published by Audrey Caldwell, Senior Manager, ASCE Corporate Communications
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UC-Berkeley wins 2013 National Student Steel Bridge Competition (image courtesy of UC-Berkeley)

Congratulations to the **University of California, Berkeley's** student civil engineering team for their second consecutive win of the National Student Steel Bridge Competition. And congratulations as well to the Massachusetts Institute of Technology and the **University of California, Davis** who earned second and third place overall at the finals in Seattle. What can you do with this news?

In this column, we share a variety of ideas to help civil engineers promote the profession. Student competitions are a wonderful way to showcase that engineering education can be both challenging and fun. Whether building a steel bridge or a concrete canoe, a lot of imagination, problem solving and collaboration are involved.

Think about this. If you were a high school student wondering what it's like to be an engineering

student in college, would you rather hear about the rigorous courses you'll be taking or the fun project-based activities can do with your friends to learn real engineering?

These student competitions are very relevant to the next generation. Even younger students enjoy building bridges and floating boats. As you plan your next outreach event, visit ASCE's Kids, Parents and Teachers page on our website for more ideas. You'll find lots of activities to help inspire imagination. Meanwhile, share the win through your Section or Branch social media.

Who knows? Maybe one of the kids you work with will grow up to be on a winning team for a civil engineering student competition and help promote the profession in their community.

What's your favorite outreach activity? What kinds of questions did the kids or teachers ask you?

BPELSG in the News

San Francisco - California State Senator Anthony Cannella (R-Ceres) spoke at the National Council of Examiners for Engineering and Surveying (NCEES) Western Zone Meeting held in San Francisco April 18, 19, and 20, 2013. Senator Cannella, a licensed Civil Engineer, spoke of the challenges facing the regulation of licensing engineers and setting standards for the profession. NCEES is the national nonprofit organization dedicated to advancing professional licensure for engineers and surveyors. It develops, administers, and scores the examinations used for engineering and surveying licensure in the United States.

NCEES is made up of 69 engineering and surveying licensing boards from all U.S. states, the District of Columbia, Guam, Puerto Rico, and the U.S. Virgin Islands. These boards are divided into four zones: Central, Northeast, Southern, and Western. The Western Zone is comprised of 15 member boards located in the western-most part of the United States and its territories, stretching from Guam in the Central Pacific Ocean, to Montana, Wyoming, Colorado, and New Mexico in the continental United States.

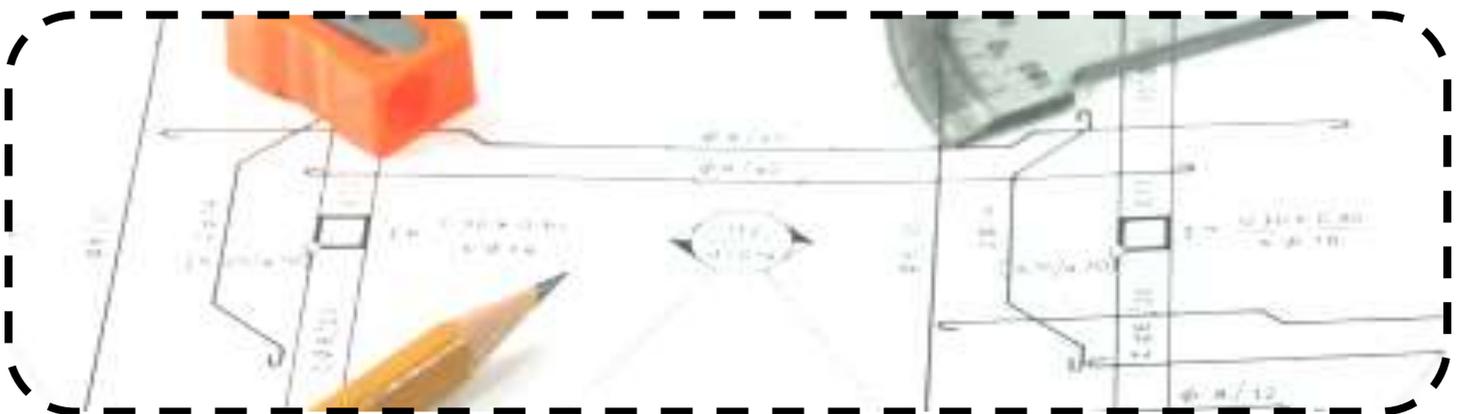
NCEES also facilitates professional mobility and promotes uniformity of the U.S. licensure processes through services for its member licensing boards and licensees. These services include the records program, study materials, credentials evaluations, exam administration, and more.

Also at this event, Richard Moore, the Executive Officer of the California Board For Professional Engineers, Land Surveyors and Geologists was elected to the position of Secretary/Treasurer to the Western Zone of NCEES member boards. The zones meet twice a year - at the annual meeting in August and at the zone interim meeting in the spring. Mr. Moore's election to the position in Zone Administration will allow California to more readily participate in the discussions and help make decisions in the protection of consumers throughout California and the United States.

Infrastructure issues, such as professional responsibility for the Bay Bridge reconstruction, the Deepwater Horizon oil spill, and the I-35 Minnesota Bridge

Collapse all clearly point to the need of continued professional oversight of the engineering, land surveying and geology professions, and the California Board For Professional Engineers, Land Surveyors and Geologists provides this protection for the residents of the State of California.

The California Board For Professional Engineers, Land Surveyors and Geologists is regarded as one of the leading professional consumer protection agencies in the United States. It operates under the umbrella of the California Department of Consumer Affairs.



MENTORS WANTED

The Board encourages the participation of its licensees in the participation in educational efforts that further the advancement of the disciplines that it represents. Engineering, land surveying and geology professionals have long participated in significant programs like the National Society of Professional Engineer's mentoring programs, the National Society of Professional Surveyor's and the California Land Surveyors Association's "TRIG-STAR" and The Geological Society of America mentoring program.



Mentoring programs, in addition to the other educational outreach programs provided by our California colleges and universities, both public and private, have been found to be of great significance in advancing the education of both high school and college students in the areas of math and science. The University of California San Francisco's Science & Health Education Partnership High School Intern Program and the Stanford Medical Youth Science Program at Stanford University were two of five programs cited by President Obama last November to receive the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring. From Humboldt State's Northcoast Mathematics and Science Initiative to UC San Diego's Academic Enrichment Program, our State is full of opportunities to 'give back' to the professions represented by the Board.

In addition, the professionals involved report a very high level of satisfaction for giving back in this way - especially in their own local communities. Should you know of a group that desires the assistance of a professional engineering, land surveyor, or geologist, please let the Board know, and we will attempt to match that group with an appropriate representative. Also, should you be interested in assisting math or science students in your area, the Board will attempt to steer you in the direction of a group looking for your expertise. Please contact the Outreach Administrator at the Board for additional information. Every effort will be made to accommodate your request.

For more information, please visit MAST at

National Society of Professional Engineers: <http://www.nspe.org/CareerCenter/MentoringPrograms/index.html>

TRIG-STAR: <http://www.californiasurveyors.org/trigstar.html>

The Geological Society: [http://www.geosociety.org/mentors/other mentoring programs](http://www.geosociety.org/mentors/other_mentoring_programs)

UC San Diego's Academic Enrichment Program: <http://aep.ucsd.edu/>

Humboldt State's Northcoast Mathematics and Science Initiative: <http://www.humboldt.edu/hsmc/nmsi/>

Like us on Facebook, follow us on Twitter

The Board is dedicated to enhancing both individual professional and consumer access to our services and resources. We will continue to expand our role as the primary resource on appropriate professional and consumer issues. To help fulfill our mission of both promoting and protecting the interests of licensed professionals and consumers, the Board will continue to build and maintain effective relationships with:

- ◆ the professional engineering, land surveying and geology communities
- ◆ the educational community engaged in the appropriate disciplines
- ◆ other government agencies
- ◆ consumer and public interest groups

To keep pace with advances in technology and the marketplace, the Board will continue to develop responsive, effective and innovative services. To this end, the Board is pleased to announce the launching of its Facebook and Twitter accounts. This effort to reach out to our current licensees, potential licensees, as well as any other interested parties, will help further the Board's mission.

We are attempting to increase our visibility in the professional community by building our email, Facebook and/or Twitter following. We invite you to allow us to reach out to you in as many ways as possible to you, the professionals – and aspiring professionals - in our disciplines. Please know that these are the latest attempts for the Board to remain central to the disciplines that it regulates. We want you to have all the current information possible. We are sure you will “like” us! Please contact the Outreach Administrator at the Board for additional information.



We ask you all to please view the front page of the Board's website and register your email address. This will allow you to receive the latest information from the Board. Also, you may look for the Facebook and Twitter logos which appear on the front page of the Board's website, and visit them to “like” us. This will guarantee your being among the first to receive Board news and announcements.

NEWS FROM NCEES

Click any of the links below to be taken directly to the article



[Zone Meetings Outline Road Map for Annual Meeting and Beyond](#) (page 2)

[NCEES Seeks Metallurgical and Materials Professional Engineers for Online Survey](#)

[NCEES Exam Schedule](#)

BPELSG Online Information

[Online Address Change Form](#)

[Complaint and Enforcement Information](#)

- ◆ How to File a Complaint
- ◆ Disciplinary Actions, Citations, and Criminal Actions
- ◆ Board Policy on Disclosure of Enforcement Complaints and Enforcement Actions

[Laws and Regulations](#)

- ◆ 2013 Laws - Annotated to show changes made in 2012

BPELSG Handbook of Laws and Rules is Now Available for Purchase!

The 2013 edition of the BPELSG Handbook of Laws and Rules is now available for purchase from the Board. The Handbook contains the annotated versions of the Professional Engineers Act, the Professional Land Surveyors' Act, the Geologist & Geophysicist Act, and the Regulations of the Board, along with related sections of other laws. The cost per copy is \$10.00. You may request a copy by sending a letter with your mailing address along with a check or money order to the Board for Professional Engineers, Land Surveyors, and Geologists, 2535 Capitol Oaks Drive, Suite 300, Sacramento, California, 95833.



Should you wish to receive future communications from the Board, including the Board Bulletin, which is issued electronically three times per year, please visit the Board's website at www.bpelsg.ca.gov and sign up to "Join Our Email List" under "Quick Hits" on the front page of the site. Also, please "like" us on facebook to be informed of the latest news affecting our Board and its disciplines.

Spring 2013 Examination Statistics

Spring 2013 Examination Statistics	Results			
	Pass	Fail	Total	Pass Rate
Land Surveying Exam				
Principles & Practices (National)	50	44	94	53%
Surveying (State-Specific)	71	238	309	23%
Civil Engineering Exams				
Principles & Practices	688	733	1,421	48%
Seismic Principles	687	786	1,473	47%
Engineering Surveying	683	821	1,504	45%
Other Engineering Discipline Exams				
Chemical	11	20	31	35%
Electrical	126	165	291	43%
Industrial	1	3	4	25%
Mechanical	155	122	277	56%
Structural				
Lateral Forces	78	64	142	55%
Vertical Forces	76	70	146	52%
Geology				
ASBOG Fundamentals of Geology	23	16	39	59%
ASBOG Practice of Geology	43	15	58	74%
California Specific Exam	56	38	94	60%
Spring 2013 Fundamentals Exams				
Engineering	2649	1,708	4,357	61%
Surveying	54	90	144	38%
Geologist-In-Training Candidates*	26	17	9	65%
Total Exams Administered Spring 2013			10,193	

Certificates Issued December 2012 Through June 2013

Engineer-In-Training: 2483

Land Surveyor-In-Training: 74

PROFESSIONAL ENGINEERS BY LICENSE TYPE

Civil: 687

Chemical: 17

Control Systems: 2

Electrical: 215

Fire Protection: 3

Industrial: 1

Mechanical: 226

Nuclear: 2

Structural Engineer: 83

Professional Land Surveyors: 70

Professional Geologists: 126

Certified Engineering Geologists: 24

Certified Hydro Geologists: 10

Geophysicists: 3

OCTOBER 2012 FUNDAMENTALS OF ENGINEERING EXAM

5,261 applicants were approved to take the exam.

879 no shows (17% of total applicants approved)

4,361 applicants took the exam.

2220 (51%) applicants passed the FE exam

1886 or 85% of passing applicants applied for their EIT (as of 5/30/2013)

OCTOBER 2012 FUNDAMENTALS OF SURVEYING EXAM

163 applicants were approved to take the exam

30 no shows (18% of total applicants approved)

131 applicants took the exam

71 (54%) of applicants passed

61 or 86% of passing applicants applied for their LSIT (as of 5/30/2013)

Comity Licenses Issued January 1 - May 31, 2013

From January 1, 2013 through May 31, 2013, a total of 148 comity licenses were issued.

License Type	Number Licensed
Chemical	6
Control Systems	2
Electrical	75
Fire Protection	3
Mechanical	50
Nuclear	2
Structural	10
Total Licensed	148

2013/2014 Examination Schedules

[Click here to view the examination schedules for Fall 2013, Spring 2014 and Fall 2014](#)