

# Los Angeles Section

Monthly: Est. 1913

ORANGE / SAN\_BERNARDINO/RIVERSIDE / SAN\_LUIS\_OBISPO / SANTA\_BARBARA/VENTURA / DESERT / SOUTHERN SAN\_JOAQUIN / METROPOLITAN LOS ANGELES

PRESIDENT'S MESSAGE

Greg Heiertz, P.E.  
Los Angeles Section President



## Summer Vacation Ideas with a Civil Engineering Theme

Many of us will be spending at least some time traveling around the country with our families this summer. This could be a wonderful opportunity to educate them about the role of civil engineers and the amazing feats we, as a profession, have accomplished. This can be a way of introducing the kids to the important and satisfying career of civil engineering. Last January I mentioned the ASCE program called Monuments of the Millennium in reference to the Hoover Dam 75th anniversary which was celebrated last October. The Monuments of the Millennium program was initiated at the end of the last century to honor the civil engineering profession's contribution to the quality of life and well being of people and communities worldwide and to acknowledge the creative spirit and ingenuity of the civil engineering profession. ASCE canvassed its members in 1999 to determine the 10 civil engineering achievements that had the greatest positive impact on life in the 20th century. The following are a few that you might consider visiting on your summer travels.

**Hoover Dam:** A visit to Hoover Dam, near Las Vegas, Nevada can give a trip to "Sin City" an educational purpose. Construction of the dam was begun during the depths of the great depression. Completed in 1935, the dam, at 726 feet, was then the highest in the world. In fact, the nearest runner-up at the time was smaller by 300 feet. It is still the highest concrete dam in the Western Hemisphere. The Bureau of Reclamation started conducting tours through the Hoover Dam and Power Plant in 1937. A trip to Hoover Dam is also an opportunity to view the spectacular new Mike O'Callaghan – Pat Tillman Memorial Bridge. This nearly 2,000 foot long bridge (with a 1,060 foot twin-rib concrete arch) opened last October. The bridge spans Black Canyon downstream of the dam and connects Arizona and Nevada nearly 900 feet above the Colorado River. Hoover Dam is located 30 miles southeast of Las Vegas. Take US Highway 93 to Nevada State Route 172. The Visitors' Center is open for tours from 9 AM to 6 PM everyday.

**The Golden Gate Bridge:** The Golden Gate Bridge is one of the most recognizable man made structures in the world. The main span of 4,200 feet was the longest in the world when the bridge opened in 1937. The bridge connected previously isolated areas of Marin County to San Francisco across the mile wide Golden Gate. It is an engineering marvel of stunning beauty. A statue of the original Chief Engineer, Joseph B. Strauss, is located on the southeast side of the Bridge. It is a monument to an engineer of great vision and determination. Pedestrians may access the east sidewalk, located near the Strauss Statue, daily from sunrise to sunset. You can also take a short walk to the Fort Point overlook from the southeast parking lot. A walk through the renovated garden area on the southeast side of the bridge is also worth your time. A small museum and gift shop is located in the historic "Roundhouse" on the southeast side of the bridge behind the Strauss Statue. Designed in 1938, the Roundhouse was originally a restaurant for passing motorists.

VOL\_XLXI NO\_7

In This Issue	page
PRESIDENT'S MESSAGE .....	1
EDITORIAL .....	2
NEWS FOR THE CE PRACTICE .....	2
ASCE REGION 9 TRANSPORTATION .....	3
ASCE STUDENT NIGHT AND JOB FAIR.....	4-5
ANNOUNCEMENTS.....	5-11
EMPLOYMENT OPPORTUNITIES.....	11
PROFESSIONAL DIRECTORY.....	12-13



## Summer Thoughts

Summer is here and we hope you are enjoying your time away from work, from your daily surroundings, or from other things that would normally stress you. One thing I am trying to get away from in a vacation is technology. With the advent of really cool tools available to us now: cell phones, wi-fi connected computers, tablets, and believe or not (they still exist) pagers, for example, getting away in the real context of the phrase can become significantly challenging. Nevertheless, please try. You deserve that break!

As this is a civil engineering newsletter, we need to put some civil engineering twist in our editorial. We think that as our Section President Greg Heiertz, P.E. has recommended really cool engineering landmarks that can be part of your vacation itinerary; you can come back to us in September with a few snapshots of you, this newsletter, and those landmarks. We'll feature your creation as appropriate.

We include in this issue other news around town. The Metro Los Angeles Branch Student Night and Job Fair was a success! We not only had a great dinner, but most importantly, we were able to honor the superstar students of our Section, provide an opportunity for interaction, and allow students to mingle with some of the great professional members of ASCE. What a magical night.

We also feature an article on the reinvigoration of the ASCE Region 9 Transportation Committee. Kenneth H. Rosenfield, P.E., F.ASCE, provides an overview of the new Transportation Committees activities and initiatives as well as possible opportunities of future involvement. Please consider active participation in the activities of this newly energized group.

Finally, we provide some legislative updates on pieces of legislation that are relevant to us and to our practice.

We would like to hear from you on how we are doing. Send us your summer pictures that contain this newsletter.

Enjoy!

- Dr. Cris B. Liban, P.E.

### Reminder:

*Copy deadline for the Sept. 2011 issue is Aug. 1, 2011; copy deadline for Oct. 2011 issue is Sept. 1, 2011.*

National ASCE (800) 548-2723 (ASCE)

Access National ASCE at: [www.asce.org](http://www.asce.org)

L.A. Section web site at:  
[www.ascelasection.org](http://www.ascelasection.org)

## News for the CE Practice

*By Richard Markuson*

**New Executive Officer Appointed To The Engineers Board** – The Board for Professional Engineers, Land Surveyors, and Geologists (BPELSG) has appointed Ric Moore as Executive Officer effective July 1, 2011. Mr. Moore has been with the Board since 2007 as the Staff Land Surveyor and the Manager of the Examination Development and Administration Unit.

**Title Act Conversion Bill is Dead** – Senate Bill 692 was held in the Senate Appropriations Committee this month. SB 692 – opposed by ASCE, ACEC and PECG – would have created new practice acts for the nine existing “title acts” - agricultural, chemical, control system, fire protection, industrial, metallurgical, nuclear, petroleum, and traffic engineering. ASCE opposed the bill because of the confusion that would have resulted from the new practice acts and the few numbers of registrants in most of the new branches. The bill failed because of the costs associated with the changes. The committee noted, “By changing definitions that regulate the practice of engineering, it is anticipated the board will receive a major increase in applications from persons seeking to take a national license exam. The board’s application fee has not been adjusted (by regulation) since approximately 2003 and does not fully offset the cost of the application process. An increase in applications would further exacerbate this shortfall (approximately \$250,000 annually). Also, this bill may increase enforcement duties for a period of time to respond to complaints of unlicensed activities. Some increase in unlicensed activity may be inadvertent due to the timing of this bill and the timing of the national exam, which has a July application date and a November test date.”

**Fingerprints required for licensure** – If signed by the Governor, Senate Bill 543 adds BPELSG to the list of specified boards whose licensing applicants are required to submit a full set of fingerprints for the purposes of conducting criminal history record checks. The bill also deletes the requirement for a California specific exam for structural engineers. Structural engineer applicants must already take and pass the NCEES exam. New and renewal applicants for licensure would be required to appear at a “Live Scan” location and pay a fee of approximately \$71. The prints are required only once and are crosschecked against both state and federal criminal databases. BPELSG staff would then review records of criminal convictions to determine if the conviction would make the applicant ineligible for licensure. ASCE has not taken a position on either provision.

**New curriculum and experience rules approved** – The Board Rules (Title 16, California Code of Regulations section 400, et seq.) have been amended. Specifically, Board Rule 404 has been amended to define approved and non-approved engineering and land surveying curricula. Board Rules 424 and 425 have been amended to clarify the number of years of education credit that may be granted towards the total number of years of qualifying experience needed for licensure as a professional engineer or a professional land surveyor. Board Rule 438 has been amended to expand the situations in which an applicant for licensure as a professional engineer may obtain a waiver of the Engineer-in-Training/Fundamentals of Engineering exam.

**April 2011 Engineering & Land Surveying Examination Results Information** – The April 2011 examination results were released on May 20, 2011. Go to <http://pels.ca.gov> for more information regarding the April 2011 examination results.

# ASCE Region 9 Transportation Committee

By *Kenneth H. Rosenfield, P.E., F.ASCE*  
Chair



The ASCE Region 9 Transportation Committee has been re-established with a renewed emphasis on evaluating pending State legislation that is of importance to Civil Engineers, ASCE, and Transportation Infrastructure and to support the annual Region 9 Infrastructure Symposium. A dozen ASCE members have already joined the Transportation Committee and are participating in the once per month conference calls. You

are also invited to join the Transportation Committee. Just email me your interest as described at the end of this article.

In preparing the recommendations to the Board of Governors, the Transportation Committee takes into account the anticipated impact the State Legislation may have on the Civil Engineering profession (without regard to employment in either the public or private sector) and the benefits or costs the Legislation may have on Transportation Infrastructure. To date, the Transportation Committee members have committed to reviewing 32 pending legislative bills and providing recommendations to the Board of Governors as to which Bills to support, watch or oppose. As a result of this initial work, the Board of Governors recently approved the Committee recommendations to issue letters of support for AJR 4 and AB 294 and to issue a letter of opposition to SB 468.

The Transportation Committee recommended support for AJR 4 (Assembly Joint Resolution 4). This Resolution is a request by the State of California to the Federal Government to provide Federal Loan Guarantees to the State Route 91 expansion project that was approved by the State last year. This project would add carpool and general purpose travel lanes on the highly congested corridor from the Orange County Line to Interstate 15 in Riverside County. The project, estimated to cost over \$1 Billion, is ready to proceed to final design and construction with the support of the Federal Loan Guarantees. The Transportation Committee also recommended support for AB 294. This legislation would authorize Caltrans to continue with its pilot program of using design-sequencing to promote project implementation. Caltrans had this authority for 12 projects in the past but this authorization has expired. The new authorization would grant permission to use this approach for five more projects through the year 2015. To the extent this program accelerates transportation projects, reduces total project costs and furthers the goal of infrastructure renewal, it is a worthy program.

The Transportation Committee recommended a position of opposition to SB 468. This legislation is working its way through the legislative process and is being amended along the way. The legislation is specific to the Interstate 5 improvement project in San Diego County and would require Caltrans to consult with and take into consideration the perspectives of other government agencies, most notably the California Coastal Commission, when preparing the improvements to this corridor. In addition, the legislation would place a higher priority on the implementation of multi-modal transportation improvements above vehicle use improvements. Many groups have lined up against this legislation as it will inevitably slow the progress of transportation improvements to

this very congested I-5 corridor and redirect Caltrans away from their primary responsibilities. Independently, the Transportation Committee reviewed the legislation and concluded it would add delay and costs to the project and is not in the best interests of the State. We will continue to monitor the progress and status of this important legislation.

There are many pending Legislative Bills related to the California High Speed Rail Authority and project. The high interest in this topic is likely related to the fact that this is one of the largest public works and transportation projects in the State for the foreseeable future. Many of the proposed legislative changes to the High Speed Rail project have to do with the administration of the program, who is in charge and what rules they must follow to implement this multi-billion dollar project. The Transportation Committee is monitoring the legislative agenda to identify legislation that would either advance or impede the orderly and timely implementation of the project.

Fully functional and good quality transportation infrastructure is critical to the economic vitality of the State of California and for improved living standards for all Californians. Goods movement, efficient highway transportation and multi-modal transportation opportunities are necessary to serve the population and business interests in this State. However, as shown in any number of ASCE sponsored Infrastructure Report Cards, the state of affairs of Transportation Infrastructure is poor as there is a lack of Federal and State leadership, funding commitments or alternate funding sources available to maintain or expand the existing the transportation system infrastructure. With a difficult economic climate, it is unlikely that Federal or State solutions will soon be presented. Nevertheless, the self-help Counties (those with a voter approved sales tax addition for transportation funding) have proven that the people of California are ready and willing to support the additional costs of improving the transportation systems when they see a clear and direct connection between the cost and resulting improvements in infrastructure and their quality of life. This is an area in which ASCE and Civil Engineers play a critical role, in efficient project delivery and timely use of public funding. The conceptualization, design and implementation of transportation infrastructure projects are uniquely a Civil Engineering endeavor. The ASCE Civil Engineer has excellent insight in the needs of the Transportation Infrastructure and our participation in the political and social process to advance the needs of infrastructure funding and improvements is vital to the success of our local communities and the State. This is why you should be involved with the Transportation Committee of Region 9 or your local ASCE Section/Branch legislative committees.

To become involved with the ASCE Region 9 Transportation Committee, please email me at [krosenfield@ci.laguna-hills.ca.us](mailto:krosenfield@ci.laguna-hills.ca.us) or call me at (949) 707-2655. I look forward to your participation!

## A Great Idea From the Life Members

The ASCE Life Members' Public Image Committee request that members take their (to be discarded) Civil Engineering magazines to their doctor's office or barber shop and merge them with the stack of magazines. We feel that this will be an effective way to make the general public more aware of what civil engineers do.

# 2011 ASCE Los Angeles Section MLAB-YMF Student Night and Job Fair

By: Ruben Mazzei, EIT, A. M. ASCE

In this arduous economy, approximately 12.4 percent of California's population is unemployed. As young professionals, during this difficult time, we turned to our local leaders and non-profit organizations for their support and leadership. For this reason, the American Society of Civil Engineers (ASCE) Los Angeles (LA) Section, Metropolitan Los Angeles Branch (MLAB) and Younger Member Forum (YMF) encourages the prospect for positive change and promotes engineering amongst professionals and students to continue our outreach activities.

On March 11th, 2011 ASCE LA-Section MLAB-YMF hosted the Job Fair and student night at the Starview Ballroom in the Sheraton Universal Hotel. This year's Student Night and Job Fair served its purpose in honoring those that will carry the torch forward in constructing and operating the built environment. ASCE took great pride in accentuating the talented student membership of the Los Angeles Section. The most stellar university students from all over the Los Angeles area were spotlighted. On that day, nearly two hundred engineering students from eleven universities as well as attendees from local engineering companies, and public agencies showed their support of our local community during the Job Fair, and the awards dinner. The purpose of the event was to help students connect with civil engineering firms during the Job fair and honor the student's achievement during the awards ceremony.



The first part of the evening event started assisting students to find employment at local engineering firms during the job fair. A special thank you from all in the LA Section, Metropolitan Los Angeles Branch and Younger Member Forum community to some of the local companies that supported this event: AECOM, Arcadis, C2MHILL, Hall and Foreman, HDR, KPFF, MWH, and W2 Design, Inc. During the Job Fair, civil engineering students had the opportunity to introduce themselves and come along with the company's representatives to learn about the companies disciplines. In addition, the firms had a chance to interview students and learn about their professional goals and objectives. It was an honor to those companies make the effort and to support the event and the civil engineers of the future. The crowd was then escorted into the ballroom for the banquet to begin. The Universal Sheraton Hotel set the tone for a modern and elegant evening, and a well organized slide show entertained guests until the ceremony commenced.

The second half of the evening continued at the Starview Ballroom located at the last floor of the Sheraton Universal Hotel with an amazing view over Hollywood. Mr. Gilbert Ivey, Assistant General Manager/ Chief Administrative Officer of The Metropolitan Water District of Southern California, was present to support this local community outreach event. As the sunset, the ballroom filled for a charming dinner, the awards ceremony began with outstanding speeches from YMF President Amber Girard, MLAB President-Elect Marlon Calderon, and LA Section President Greg Hiertz. The common theme was to encourage students to not give up their dreams during these difficult times and continue their hard work towards the transition to the professional world. This year MLAB YMF was also proud to have as Special Guests the winners of the 2011 Popsicle Bridge Team. Francisco Aragon and Laura Rocket recapped the highlights of that great event, and presented the first place prize to Francisco Bravo Medical Magnet High School's Team Varignon, represented by students Michelle Lee, Fatimatou Diallo, James Song, Duke Seo, and teacher Mr. Michael Morgan.



ASCE LA-Section MLAB-YMF also celebrated and honored student's achievements in engineering and community outreach during dinner. Paul Garcia and Julia Moye presented over a dozen scholarship awards. The scholarships awarded include for the Los Angeles Section Philip Abrams (2), Jeffrey Gordon, and Leo and Pat Hirschfeldt Scholarships. The Metropolitan Los Angeles Branch scholarships included Patti Gadomski Memorial, Le Val Lund Memorial [Graduate Scholarship], and Metropolitan Los Angeles Branch Scholarship (2). MLAB Young Members Forum scholarships and awards included Graduate Scholarship, Outstanding Student Member, and Outstanding Student Chapter.



MLAB YMF congratulates all the recipients of awards, and thanks all those who put effort forth to make the night remarkable. The evening concluded with pictures of the entire group.

The 2011 school year is about to come to a close and so has another successful MLAB YMF event that could not have happened without the unwavering support of the LA Section, MLAB and YMF Boards and the memberships of MLAB-YMF and Los Angeles Section. The success of this noble cause is made possible by the sponsorship of the civil engineering community, whose benevolence drew us to the industry in the first place. Even in hard times, we know the engineering spirit will persevere.

We thank you for truly making it a night that will always be remembered. We all gathered at this event to support our local community. Everyone's support for this event allows ASCE to promote engineering amongst professionals and students, and continue our outreach activities. That is why the American Society of Civil Engineers encourages the prospect for change and ASCE can help to make sure it is a positive change. We hope that next year you are part of this magnificent outreach activity and event!



#### ANNOUNCEMENT

## ASCE Announces 2011 Class of Distinguished Members

Distinguished Membership is the highest recognition the Society may confer, second only to the title ASCE President. It is reserved for members of the Society who have attained the grade of Member or Fellow and who demonstrate acknowledged eminence in some branch of engineering or in its related arts and sciences. The 2011 Distinguished Members are:

Jacobo Bielak, Ph.D., P.E., Dist.M.ASCE, NAE

John E. Breen, Ph.D., P.E., Dist.M.ASCE, NAE

Ross B. Corotis, Ph.D., P.E., S.E., Dist.M.ASCE, NAE

Robert A. Dalrymple, Ph.D., P.E., DCE, Dist.M.ASCE, NAE

Chandrakant S. Desai, Ph.D., P.E., Dist.M.ASCE

Sidney O. Dewberry, P.E., L.S., Dist.M.ASCE

Mohammed M. Ettouney, D.Sc., P.E., Dist.M.ASCE

Phillip L. Gould, Ph.D., P.E., S.E., Dist.M.ASCE

Francis E. Griggs, Jr., Ph.D., P.E., L.S., Dist.M.ASCE

Neil M. Hawkins, Ph.D., Dist.M.ASCE

Dallas N. Little, Ph.D., P.E., Dist.M.ASCE

Robert D. Nichol, P.E., Dist.M.ASCE

Robert E. Paaswell, Ph.D., P.E., Dist.M.ASCE

Shamsher Prakash, Ph.D., P.E., Dist.M.ASCE

The Class of 2011 will be formally inducted during the 141st Annual Civil Engineering Conference in Memphis, Tenn. on October 20, 2011. Since 1852, only 615 individuals have been elected to Distinguished Membership.

**The California Water Project:** The California State Water Project was selected as a Monument of the Millennium in May 2001 for its remarkable engineering achievements and the positive impact it has had on regional economic trade and development. Conceived 60 years ago by California water engineers, a system of aqueducts, dams, reservoirs and plants meets the needs of two-thirds of California's population. The project includes 32 storage facilities, reservoirs and lakes, 17 pumping plants, three pumping-generating plants, five hydroelectric power plants, and 660 miles of open canals and pipelines. The open canal of the project can be seen along Interstate 5 through most of central California. DWR currently has three California Water Project visitors' centers in operation. These are located at Lake Oroville in Butte County, at Pyramid Lake in Los Angeles County, and at San Luis Reservoir near Los Banos in Merced County. The Lake Oroville Visitors Center includes a 47-foot observation tower from which visitors can view the lake. Inside are exhibits showing how Oroville Dam, the nation's tallest, was constructed from more than 80 million cubic yards of materials. The pump back operation used to generate power via the lake's three power plants is also featured. The Lake Oroville visitors' center is open every day. The Vista del Lago Visitors Center at Pyramid Lake features a wrap around balcony with sweeping vistas of the lake. The Vista del Lago Visitors Center is DWR's largest information center and includes many interactive displays and presentations. The Vista del Lago Visitors Center is open daily 9 a.m. to 5 p.m. and is located on Interstate Highway 5 between the cities of Castaic and Gorman. The San Luis Reservoir Romero Overlook visitors' center commands a panoramic view of this 385 foot-tall rock and earth fill dam that stores 652 billion gallons of water. Exhibits explain how this joint state-federal complex of facilities serves both the State Water Project and the Federal Central Valley Project. The Romero Overlook Visitors Center is open daily.

**The Empire State Building:** At 1,250 feet, the Empire State Building is the best-known skyscraper in the world, and was the tallest building in the world for more than 40 years. The building's most remarkable feature is how quickly engineers were able to construct it. Construction was completed in only one year and 45 days, without requiring overtime. Workers put the 58,000-ton frame together in 23 weeks. The masonry exterior was completed in just eight months. The finished building contained 51 miles of pipe and 17 million feet of telephone wire. The building is one of New York City's main tourist attractions, with 3.5 million visitors each year. The visitors' observatory is located on the 86th floor, 1050 feet above the street. The observatory offers breathtaking views of Manhattan and the surrounding areas. The observatory is open daily from 8 AM to 2 AM. Tickets start at \$20.21 for adults and \$14.70 for children between 6 and 12.

**The Chicago River:** The reversal of the Chicago River, completed in 1900, enabled Chicago to continue its growth and progress after the Great Chicago Fire of 1871. Before the reversal, the safety of the Lake Michigan drinking water supply was constantly threatened by untreated sewage flowing directly into the river, which then flowed back into the lake. The Chicago Sanitary District, as it was known then, undertook a monumental task when it built a 28-mile-long channel that would connect the Chicago River with the Des Plaines River to reverse the flow of the river away from Lake Michigan. More than 40 million cubic yards of soil and solid rock were removed to accomplish this task. The Friends of the Chicago River operate the Michigan Avenue Bridgehouse Museum in the southwest bridgehouse at Michigan

Avenue and Wacker Drive. The goal of the Bridgehouse Museum is to educate visitors about the Chicago River's history, its value to the Chicago area, and the vision for the river's future. Tour boats and river taxis operate nearby. River walks on the north and south banks of the river head east from the bridge to link with the bike trails along Lake Michigan. The Michigan Avenue Bridge itself is the first double-deck, double-leaf trunnion bascule bridge ever built.

Have a safe and happy summer vacation.

## Post-Disaster Teams

"...the Society is the single best organization to carry out this type of work for our nation.", Hon. Sherwood Boehlert, M.C. (Ret.), Former Chair, House Science Committee

ASCE has a long history of participating in and conducting engineering studies of national significance, one that dates back to the Johnstown Flood in the late 1800s. ASCE has participated in more than a dozen such assessments in the last decade. The reports published by these study teams have been widely recognized within the professional community for their contributions to our understanding of civil engineering practice and public safety and welfare. Such studies are an important part of the Society's continuous effort to advance public safety and engineering practice, and contribute to the understanding of how to make engineered structures safer in the event of both natural disasters and man-made events.

Learn more about ASCE Assessments and corresponding reports at [www.asce.org](http://www.asce.org). Available now are the following:

- New Zealand - Earthquake, September 23, 2010
- Chile - Earthquake and Tsunami, February 27, 2010
- Haiti - Earthquake, January 12, 2010
- Samoan Islands - Earthquake and Tsunami, September 29, 2009
- Galveston, Texas - Hurricane Ike, September 13, 2008
- Sichuan, China - Earthquake, May 2008
- New Orleans/Southeast Louisiana - Hurricane Katrina, August 29, 2005
- Post-Katrina Levee Assessment Team
- External Review Panel
- Boston, Massachusetts - Big Dig Collapse, July 10, 2006
- Sumatra - Earthquake and Tsunami, December 26, 2004
- September 11, 2001, World Trade Center Findings
- September 11, 2001, Pentagon Building Performance Report.

## Too valuable to waste

**Recycled tires:**  
For your paving & civil  
engineering projects



Grants • Technical Assistance  
[www.PavingGreenRoads.com](http://www.PavingGreenRoads.com)

**CalRecycle**



*Save The Date for  
The Los Angeles Section  
Annual Meeting, Installation of Officers  
& Awards Brunch*

*at the*

*Disneyland Hotel*

*1150 Magic Way, Anaheim CA 92802*

*Saturday, October 8, 2011*

*11:00 AM to 2:00 PM*

*Discounted Park Tickets will be available*



**Younger Member Forum**

**P.E. REVIEW COURSE**  
**FALL 2011**



Advance in your civil engineering profession by earning your license and becoming a Professional Engineer. Our courses are taught by practicing professionals. Our PE Exam instructors review the following subjects: Environmental, Geotechnical, Construction, Water, Transportation, Structural, and the specialized topics of Surveying and Seismic.

The PE Review Course will be held in the heart of Los Angeles. Meetings occur twice a week on Tuesday and Thursday nights. The Surveying and Seismic courses are each offered on three different Saturdays.

**Please share this announcement with co-workers and colleagues.**

For more information, please contact us:

Maria Miranda at (562) 889-4982 or [mlmiranda3@gmail.com](mailto:mlmiranda3@gmail.com)

Omar Sanchez at (714) 319-0552 or [oasanchez25@yahoo.com](mailto:oasanchez25@yahoo.com)

## DISASTER TRAINING

Classes are being organized for volunteers to help in the event of a major disaster under the auspicious of the State of California Emergency Management Agency (Cal EMA). Classes will be held in ASCE Branch areas when there are sufficient requests. Qualified individuals are California Registered Civil, Structural, Geotechnical, Certified engineering Geologists, or Architects. If you are interested in attending a class, or are interested in arranging a class, please contact the ASCE Disaster Preparedness Committee Chairman.

There is no charge for the class.

The class lasts 4 or 5 hours

The Class can commence as early as 8 AM or after work.

Monday through Friday or on Saturday

Classes will be given for VOLUNTEERS from professional organizations to assess damage, and COORDINATORS from City or County to direct Volunteers for their area. Coordinators may act as Volunteers outside of their area of expertise.

To register for the class submit your name along with your telephone number and e-mail address. You will be contacted when 10 or more request a class. The maximum number in the class should not exceed 20.

If your Branch, or Firm would like to offer the use of its facilities for a class, please register and provide the name of contact person, phone, and E-mail. You will be contacted to make arrangements.

Thank you for your support.

Jack W. Rolston, Chair

818-903-5225 cell • 818-345-9199 ph • 818-345-5283 fx • ascedisaster@earthlink.net

[www.structuralsolutions.com](http://www.structuralsolutions.com)

# 2011 STRUCTURAL ENGINEERING REVIEW SEMINARS & MANUAL

Following a decade of successful presentations BYA Publications is pleased to announce the **11<sup>th</sup> consecutive year of the most comprehensive and value added series of structural engineering seminars in California**. The expanded **12 session program (78 hours)** is comprised of detailed and interactive presentations of a selection of problems and topics targeted for the new NCEES 16 hour Structural Engineer exam and the CA specific exam. Also included are discussions of the most recent developments in structural and seismic engineering. **These seminars also provide the best in-depth review of the latest code provisions even for those not considering taking the S.E. exam.**

**“Register early and save up to \$400”**

All classes are on Saturdays or Sundays from 8:30 a.m. to 4:00 p.m.

At the La Quinta, 3 Centerpointe Drive, La Palma, CA 90623, Phone: (714) 670-1400

May 14	Wind & Seismic Provisions	Ben Yousefi, MS, SE
May 22	Advanced Analysis/Dynamics	Dr. Farzad Naeim, Ph.D., SE, Esq.
June 11	Concrete Design, Part I	Dr. Cheng Ming Lin, Ph.D., S.E
June 19	Steel Design, Part I	Dr. Michael Engelhardt, Ph.D., PE
July 10	Wood Design	Kelly Cobeen, MS, SE
July 16	Steel Design, Part II	Dr. Michael Engelhardt, Ph.D., PE
July 30	Concrete Design Part II	Chris Tokas, MS, SE
July 31	California (CBC) Amendments	Chris Tokas, MS, SE
August 6	Masonry Design	Dr. Chukwume Ekwueme, Ph.D., SE
August 28	Steel Design, Part III	Dr. Michael Engelhardt, Ph.D., PE
September 17	Concrete Design, Part III	Dr. Cheng Ming Lin, Ph.D., S.E
October 1	General Overview/ All topics	Ben Yousefi, MS, SE

For complete registration information please check our web site

[www.strcuturalsolutions.com](http://www.strcuturalsolutions.com)



**AMERICAN SOCIETY OF CIVIL ENGINEERS  
International Committee, Los Angeles Section**

**7<sup>th</sup> International Engineering and Construction Conference (IECC'7)**

**February 13-15, 2012**

**Website: [www.a-tech.hk/IECC7/index.html](http://www.a-tech.hk/IECC7/index.html)**

**HOST**

**Centre of Excellence in Engineered Fibre Composites  
University of South Queensland, Australia**

**SPONSORS**

**ASCE Los Angeles Section - International Committee  
University of California, Irvine  
ASCE UCI Student Chapter**

**CONFERENCE THEME  
“Green Infrastructure System”**

**VENUE  
Brisbane, Australia**

The ASCE Los Angeles Section International Committee is organizing its 7<sup>th</sup> International Engineering and Construction Conference (IECC'7), jointly with the Centre of Excellence in Engineered Fibre Composites (CEEFC), University of Southern Queensland (USQ), Australia. The conference will be held during February 13-15, 2012, in Brisbane, Australia.

**Conference Objectives**

The 7th International Engineering and Construction Conference (IECC'7) is a multidisciplinary forum with several symposia covering a wide range of engineering areas with emphasis on engineering design and construction. The goal of this conference is to enhance the lines of communication between researchers and technical professionals to exchange innovative research and technological advancements. The conference theme focuses on “Green Infrastructure System”. This theme incorporates innovative building systems in which affordable green construction, materials and system are pronounced. The conference will cover most of the subjects associated with the above mentioned vision. The objective of the conference is to focus on various topics related to green infrastructure development which incorporates innovative building systems, materials and design. The previous objectives cannot be separated from the wider objectives of eco-villages, city planning, green materials and green construction management on the community level. This would also require successful sustainability and energy efficiency code development. The conference will also deal with carbon finance in construction, renewable energy in construction, environmentally compatible engineering in design and construction, assessment and monitoring of long-term performance, recyclable construction materials and systems, and other state-of-the art papers related to built environment and energy conservation are also encouraged.



## FALL 2011 P.E. REVIEW COURSE REGISTRATION FORM

### REGISTRATION PROCEDURE

Please type or print clearly. Pay by check, money order or PayPal. Make check payable to **ASCE Metropolitan Los Angeles Branch Younger Member Forum**. Any request for fees refunds after checks are deposited and before the first day of class are subject to an automatic 15% service charge. **No refunds will be issued after the first session.** Registration is on a first-come, first-serve basis. Early registration is highly recommended.

Mail completed form and check (payable to ASCE MLAB YMF) to:

ATTN: Maria Miranda  
City of Camarillo – Public Works  
601 Carmen Drive  
Camarillo, CA 93010

## FALL 2011 P.E. REVIEW COURSE REGISTRATION FORM

Please return completed form and payment:

	ASCE Member	Nonmember	Amount
Overall P.E. Review Series	\$900	\$1,100	
8-hr national ONLY Review Series	\$750	\$950	
Seismic Review Seminar	\$300	\$400	
Surveying Review Seminar	\$300	\$400	
<b>TOTAL</b>			

NAME:	CELL PHONE:
ADDRESS:	ASCE Member No.
CITY/STATE/ZIP:	(You can find your member # by calling 1-800-548-ASCE)
BUSINESS NAME:	WORK PHONE:
EMAIL ADDRESS:	WORK FAX:
SPECIALIZATION:	

**Share this with co-workers and colleagues.**

If you have additional questions, feel free to contact Maria Miranda at [mlmiranda3@gmail.com](mailto:mlmiranda3@gmail.com) or Omar Sanchez at [oasanchez25@yahoo.com](mailto:oasanchez25@yahoo.com)

[www.mlab-ymf.org](http://www.mlab-ymf.org)

RMHwin

**Rational Method Hydrology**  
software in  
**Windows**  
for Orange, Riverside &  
San Bernardino counties

By Jack P. Norris, P.E.  
Past chair, Hydrology & Hydraulics Technical Group, L.A. Sect.

For complete information please visit  
**JPNRCE.com**

**ASCE**  
*American Society of Civil Engineers*

**HYDROLOGY/HYDRAULICS SOFTWARE**

- Automatic English-to-Metric Conversion
- Used by Cal Trans, Government Agencies

<p><b>WSPGW for Windows</b> Water Surface Pressure Gradient, FEMA Approved</p>	<p><b>Unit Hydrograph Hydrology Method, Flood Hydrograph Routing, Basin Analysis</b> Multi-Day Storm Event Analysis</p>
<p><b>Rational/Modified Rational Hydrology Methods</b> For Los Angeles, Riverside, San Bernardino, San Diego, Orange &amp; Kern Counties</p>	<p><b>Steady-State Hydraulics, Street Inlets, Pumps, Etc.</b></p>

**CIVILDESIGN®**  
Software for Engineers, By Engineers





Tel 909.885.3806 Fax 909.381.1721 www.civildesign.com

## **KPFF CONSULTING ENGINEERS**

KPFF Consulting Engineers seeks motivated and energetic structural engineers. 2+ yrs of structural design experience with steel, concrete, masonry and timber desired. B.S., M.S. degree; a P.E. license a plus. Excellent communication and teamwork skills are essential. Substantial growth opportunity for all levels, and the opportunity to work on a wide variety of interesting and challenging projects. Please contact, fax or email resume to the following:

### **For Los Angeles:**

Ms. Krystle Tabangcura  
*KPFF Consulting Engineers*  
6080 Center Drive, Ste 300  
Los Angeles, CA 90045  
Ph: 310- 665-1536  
Fx: 310-665-9070  
Email: [ktabangcura@kpff-la.com](mailto:ktabangcura@kpff-la.com)

### **For Pasadena:**

Ms. Tamara Kealty  
*KPFF Consulting Engineers*  
301 N. Lake Avenue, Ste 550  
Pasadena, CA 91101  
Ph: 626-578-1121  
Fx: 626-578-9121  
Email: [tkealty@kpff-pas.com](mailto:tkealty@kpff-pas.com)

**www.kpff.com**

## **Semi-Retired Civil Engineer**

Semi-Retired Civil Engineer available for short term/long term commitments. **California P.E. with 40+ years of varied experiences and responsibilities, including claims consulting and expert witness testimony. C.V. and references will be available upon your request.**

E-mail: [evnel@aol.com](mailto:evnel@aol.com)  
Cell phone: 323-356-7814

**AECOM**

AECOM...Enhancing the world's built, natural and social environments.

www.aecom.com

**DUDEK** ENGINEERING + ENVIRONMENTAL

Creatively solving water and wastewater resources challenges for municipal agencies.

Plan | Design | Construct | Manage

WWW.DUDEK.COM San Diego | Los Angeles | Riverside  
800.450.1818 Orange | Santa Barbara | Placer

**GSI** Geotechnical Stabilization, Inc.

Amer R. Al-Alusi, P.E.  
President

Chemical Grouting Compaction Grouting  
PressGrout Piles Lense Grouting

1558 Sterling Court • Escondido, CA 92029-1208  
760/489-6696 • FAX 760/489-6697

**KEHOE TESTING & ENGINEERING**

- Cone Penetration Testing (CPT)
- Direct Push Soil, Water & Vapor Sampling
- Truck Mounted, Track & Ltd. Access Rigs

Soil Testing & Sampling Services  
for Geotechnical & Environmental Consultants

5415 Industrial Drive  
Huntington Beach, CA 92649-1518  
(714) 901-7270 (714) 901-7289 fax

**STEVE KEHOE, P.E.**  
PRESIDENT

**AES Advanced Earth Sciences, Inc.**  
Geotechnical and Environmental Consultants

Kris Khilnani, PE, GE - President  
Dr. Suji Somasundaram, PE, GE - Principal Engineer  
Grant Miller, PG, CEG - Principal Geologist

(949) 379-2450  
FAX: (949) 379-2470  
Website: www.aessciences.com

9307 Research Drive  
Irvine, CA 92618

**Earth Mechanics, Inc.**

Geotechnical and Earthquake Engineering

Foundation Design  
Seismic Evaluation  
Soil-Structure Interaction  
Field Investigation and Laboratory Testing  
Grading and Foundation Inspections

www.earthmech.com

Fountain Valley Los Angeles San Bernardino Oakland San Diego  
(714) 751-3826 (310) 519-1197 (909) 890-1551 (510) 562-8833 (760) 736-8222

**GREGG** Phone: (562) 427-6899  
Fax: (562) 427-3314

Email: info@greggdrilling.com  
Web Site: www.greggdrilling.com

**GREGG DRILLING & TESTING, INC.**

- ENVIRONMENTAL AND GEOTECHNICAL DRILLING
- WELL INSTALLATION
- CONE PENETRATION TESTING

2726 WALNUT AVE. • SIGNAL HILL, CA 90755

**KRIEGER & STEWART** INCORPORATED

- WATER
- WASTEWATER
- RECYCLED WATER
- STORM WATER

ENGINEERING CONSULTANTS

Riverside, CA • (951) 684-6900  
www.kriegerandstewart.com

**AEI-CASC CONSULTING**  
ENGINEERING OUR FUTURE

CIVIL ENGINEERING  
PLANNING  
ENVIRONMENTAL ENGINEERING  
SURVEYING

CORPORATE OFFICE  
937 S. Via Loma Suite 500  
Colton, CA 92324  
(909) 783-0101

Offices throughout California  
www.aei-casc.com

**EARTH SYSTEMS**

Geotechnical Engineering  
Engineering Geology  
Environmental Consulting  
Materials Testing & Inspections

Offices throughout California  
Los Angeles Area Office (818) 901-8075  
www.earthsystems.com

**GROUP** GEOTECHNICAL ENGINEERING  
MATERIALS TESTING & INSPECTION

Serving Southern California since 1986

Michael Reader, G.E.  
Principal Engineer  
Tom Swanko, G.E.  
Principal Engineer

Group Delta Consultants, Inc.  
Los Angeles County: (310) 320-5100  
Orange County: (949) 609-1020  
San Diego County: (858) 524-1500

www.GroupDelta.com

**Leighton Consulting, Inc.**

866-LEIGHTON

Thomas C. Benson, Jr., PE, GE, REA | President and CEO

Geotechnical | Environmental | Testing and Inspection

Irvine  
Bakersfield  
Los Angeles  
Palm Desert  
Rancho Cucamonga  
San Diego  
Santa Clarita  
Temecula  
Ventura  
www.leightongroup.com

**AKEL ENGINEERING GROUP, INC.**

Water Resources  
Infrastructure Modeling  
and Master Planning

**Tony Akel, P.E.**  
Principal

Phone: 559.436.0600  
Fax: 559.436.0622  
Cell: 559.593.5937  
Email: takel@akeleng.com

7433 N. First St. Suite 103  
Fresno, California 93720  
www.akeleng.com

**FUSCOE ENGINEERING**  
full circle thinking

- land development
- entitlement services
- survey & mapping
- water quality assurance
- eco-adaptive design
- sustainable engineering
- GIS & 3D visualization

949.474.1960 • OC 213.542.4260 • LA  
IRVINE • SAN DIEGO • ONTARIO • PALM SPRINGS • LOS ANGELES

www.fuscoe.com

**Hall & Foreman, Inc.**

Engineering • Surveying • Planning • Landscape Architecture

visit us online for job listings at  
www.hfinc.com

800.544.2114

Offices throughout Southern California including Irvine, Rancho Cucamonga, Santa Clarita, Temecula, Victorville, and Woodland Hills

**LGC Geotechnical Companies, Inc.**

Website: www.lgcgeo.com

- LGC COASTAL (Orange County): (949) 369-6141
- LGC INLAND (Riverside County): (951) 461-1919
- LGC VALLEY (Ventura/LA Counties): (805) 579-3434

**amec**

- Environmental Science and Engineering
- Geotechnical Engineering
- Earthquake-Related Services
- Air Toxics and Health Risk Assessment

James J Weaver PE, GE  
Tel (949) 642-0245  
Fax (949) 642-4474  
www.amec.com

510 Superior Avenue  
Suite 200  
Newport Beach, California  
USA 92663-3627

**GENTERRA CONSULTANTS, INC**

Joseph J. Kulikowski, PE, GE  
President and Senior Principal Engineer

15375 Barranca Parkway, Bldg L  
Irvine, California 92618

Tel: 949.753.8766  
Fax: 949.753.8887  
joekul@genterra.com  
www.genterra.com

CIVIL ENGINEERING • GEOTECHNICAL ENGINEERING • DAM ENGINEERING  
WATER RESOURCES • ENVIRONMENTAL SERVICES  
SERVICES PROVIDED NATIONWIDE

**HDR** ONE COMPANY | Many Solutions™

SERVICES:  
Water/Wastewater • Transportation  
Environmental • Construction Management

801 So. Grand Avenue, Suite 500, Los Angeles, CA 90017  
213.239.5800 www.hdrinc.com

**LIN Consulting, Inc.**

Traffic, Civil and Electrical Consulting Engineers

**William Sun, P.E., T.E.**  
Senior Project Manager

21660 E. Copley Drive, #270, Diamond Bar, CA 91765-4173  
Tel (909) 396-6850 ext. 105 • Fax (909) 396-8150  
E-mail: wsun@linconsulting.com

**Cannon**  
ENGINEERING • PLANNING • CONSTRUCTION

Public Infrastructure; Land Development;  
Education; Energy; Survey & Mapping;  
Aerospace/Defense

310.664.1166  
www.CannonCorp.us

**Geomatrix**

- Environmental Science and Engineering
- Geotechnical Engineering
- Earthquake-Related Services
- Air Toxics and Health Risk Assessment

James J. Weaver, P.E., G.E.

510 Superior Avenue, Suite 200 Newport Beach, CA 92663  
(949) 642-0245 - office (949) 642-4474 - fax

**HESS ENGINEERING INC**  
Structural Engineers

Richard L. Hess, S.E., SECB, FASCE  
President

www.HessEng.com

3347 Corritos Avenue • Los Alamitos, CA 90720-2105  
(562) 799-9787 • FAX (562) 799-4973 • Cell (310) 717-4916

**LaBelle • Marvin**  
PAVEMENT ANALYSIS, DESIGN, TESTING & INSPECTION SINCE 1969

Steven R. Marvin, P.E.  
President

2700 S. Grand Ave.  
Santa Ana, CA 92705  
PH (714) 546-3468  
Fax (714) 546-5841  
smarvin@labellemarvin.com  
www.labellemarvin.com

**Converse Consultants**  
Geotechnical Engineering  
Environmental & Groundwater Science  
Inspection & Testing Services

Monrovia Office (626) 930-1200 Costa Mesa Office (714) 444-9680  
Fax (626) 930-1212 Fax (714) 444-9640

Redlands Office (909) 796-0544 Sacramento Office (916) 331-5444  
Fax (909) 796-7675 Fax (916) 331-6444

www.converseconsultants.com

**GeoPentech**  
Geotechnical & Geoscience Consultants

- Geotechnical Engineering
- Geo-Earthquake Engineering
- Seismic Hazards Evaluation
- Soil Dynamics/Vibrations
- Engineering Geology
- Hydrogeology
- Seismic Geology
- Forensic Studies

525 N Cabrillo Park Drive, Suite 280  
Santa Ana, California 92701  
Phone: (714) 796-9100; FAX: (714) 796-9191  
Web Site: www.geopentech.com

**JENSEN DESIGN & SURVEY, INC**

“Designing for the Future”

The leader in civil engineering and surveying providing professional state-of-the-art services, commitment to excellence, and timely responsiveness.

1672 Donlon Street  
Ventura, California 93003

Local 805 654 6977  
FAX 805 654 6979  
State 800 676 1916

www.jdscivil.com

Engineers Planners Surveyors

**MACTEC**  
GEOTECHNICAL • ENVIRONMENTAL • HAZARDOUS MATERIALS • CMT

Perry A. Maljon, G.E.  
Senior Vice President  
pomaljon@mactec.com

Marshall Lew, Ph.D., G.E.  
Senior Principal/Vice President  
mlaw@mactec.com

Martin B. Hudson, Ph.D., G.E.  
Chief Engineer  
mbhudson@mactec.com

Hedy Abedi, Ph.D., P.E.  
Director of Environmental Services  
habedi@mactec.com

Edward C. Trasoras, P.E.  
Principal Materials Engineer  
etrasoras@mactec.com

5628 E. Slauson Avenue • Los Angeles, California 90040-2922  
323.889.5300 • fax 323.721.6700 • www.mactec.com

**DIAZ • YOURMAN & ASSOCIATES**

Christopher M. Diaz, P.E.  
Principal

Geotechnical Services

1616 East 7th Street Santa Ana CA 92705-8509  
Tel. (714) 245-2820 • Fax (714) 245-2950 • Mobile (714) 412-2093  
chris@diazyourman.com www.diazyourman.com

**GPI**  
GEOTECHNICAL PROFESSIONALS, INC.

James E. Harris, G.E.  
Byron Konstantinidis, G.E.  
Paul R. Schade, G.E.

5736 Corporate Ave.  
Cypress, California 90630  
(714) 220-2211 • Fax (714) 220-2122  
www.gpi-ca.com

**OSBORN K&A FALLAHL**  
Engineering, Inc.

- Engineering
- Land Planning
- Surveying

357 N. Sheridan St. 117  
Corona, CA 92880  
Tel: (909) 279-1800  
Fax: (909) 279-4380  
Email: ka@kaengineering.com

**Noise & Air Studies**

All Your Noise and Air Assessment Needs Since 1981

**Mestre Greve Associates**

Contacts: Matt Jones, P.E.  
Fred Greve, P.E.

27812 El Lazo Road  
Laguna Niguel, CA 92677  
Tel: (949) 349-0671  
www.mgatl.com

Studies for EIRs and EISs  
Caltrans/FHWA Assessments  
Noise Ordinance Compliance  
Air Toxics/Health Risk Assessments  
Noise Elements

**THE MOOTE GROUP**  
Land Development Solutions  
Integrity • Accuracy • Experience

Land Development Consultants  
Cost Estimating  
Construction Management  
Dry Utility Consulting/Coordination  
Public/Private Site Administration  
CFD Administration  
Electric/Telephone Applicant Designs  
Expert Witness/Litigation Support  
SBE, OBE, WBE Certified

Office: 714-751-5557  
1516 Brookhollow Drive  
Santa Ana, CA 92705

Contact:  
Majid Khatir, President - mkhatir@moote.com or  
Mike McGovern, PE, FASCE - mmcgovm@moote.com

Paul A. Moote & Associates, Inc. www.moote.com

**The PRESSURE**  
**GROUT COMPANY**

Steven C. Chandler  
Branch Manager

1975 National Avenue  
Hayward, CA 94545-1709  
510-887-2244

1330 W. Gaylord Street  
Long Beach, CA 90813-1321  
562-438-4100

www.pressuregrout.com • e-mail: pcc@pressuregrout.com

www.vaconsultinginc.com

**WA CONSULTING**

Max Vahid, P.E.  
President and CEO  
maxvahid@vaconsultinginc.com  
Tel: 949.474.1400 Fax: 949.261.8482

Engineering Services In:  
Flood Control | Drainage | Water Quality  
Potable Water | Recycled Water | Wastewater  
Transportation | Traffic | Plan Checking  
Structural | Land-Use Planning | Site Development  
Surveying | Construction Management

Offices in: Irvine - Corona - Palm Desert

**WALLACE GROUP®**

805 544-4011  
www.wallacegroup.us

DEDICATION TO SERVICE®  
CIVIL ENGINEERING  
CONSTRUCTION MANAGEMENT  
LANDSCAPE ARCHITECTURE  
MECHANICAL ENGINEERING  
PLANNING  
PUBLIC WORKS ADMINISTRATION  
SURVEYING / GIS SOLUTIONS  
WATER RESOURCES

**NMG**  
Geotechnical, Inc.

Hayim Ninyo  
Ted Miyake

17991 Fitch, Irvine, CA 92614  
Phone (949) 442-2442 Fax (949) 476-8322  
E-Mail: hninyo@nmggeotechnical.com  
www.nmggeotechnical.com

**PSOMAS**

Land Development GIS  
Surveying & Mapping Water & Wastewater  
Construction Management Transportation  
Natural Resources Special District Financing

California | Colorado | Arizona | Utah | Nevada | Mexico  
www.psomas.com

## MATERIALS SUBMISSION INFORMATION

If you'd like to have your business card or company information listed in the Professional Directory, please contact **Lorena Arce** at **(562) 448-4526** or email her at **lorena.arce@hilti.com** for rates and deadlines.

**NORRIS-REPKE**  
Engineers & Land Surveyors

Capital Improvement Design  
City Engineering  
Land Surveying & GIS Services  
Construction Management  
Water and Sewer  
Building & Safety  
Engineering Software

TEL: 714-973-2230  
FAX: 714-973-2263  
www.norrisrepke.com  
400 N. Tustin Avenue, Suite 230, Santa Ana, CA 92705

**RBF CONSULTING** PLANNING • DESIGN • CONSTRUCTION

Providing innovative, timely and cost effective solutions to today's design challenges through personalized client service **www.RBF.com**

Offices located throughout California, Arizona and Nevada • 800-479-3808

All graphic materials submitted for use in this newsletter should have all fonts outlined, and links included; .eps files preferred. Other formats are: InDesign CS2, Adobe Illustrator CS2; additional acceptable file formats are: .jpg, .tif and .pdf files. Images embedded in Microsoft Word documents should be sent separately, at a minimum resolution of 150 dpi at the display size desired. Collected files, including links and fonts, should be compressed and emailed, or sent on zip disk (provide return address). Business cards can be submitted electronically as well, or send clean, crisp, b&w laser print, unfolded.

**PACE**  
Advanced Water Engineering

ADVANCED WATER ENGINEERING  
...in partnership with nature

- Water / Wastewater
- Stormwater Management
- River / Wetland Restoration
- Manmade Lakes / Streams
- River Engineering
- Fountains / Pools

WWW.PACEWATER.COM  
HEADQUARTERS  
17520 Newhope Street, Suite 200 | Fountain Valley, California 92708  
main: 714.481.7300 fax: 714.481.7299

ADDITIONAL LOCATIONS:  
PHOENIX, AZ • BELLEVUE, WA • CAROLINA, NC • MOSCOW, RUSSIA

P: (805) 543-1794 | www.rmdesign.com

**rrmdesigngroup**

creating environments people enjoy®

Community | Civic & Public Safety | Education | Recreation | Urban  
architects | engineers | landscape architects | planners | surveyors

Moving California Forward

**PARSONS BRINCKERHOFF**

Los Angeles (213) 362-9470  
Orange (714) 972-6880  
Inland Empire (909) 888-1106

Visit us on the web at pbworld.com

**SA ASSOCIATES**  
Shahnawaz Ahmad  
CONSULTING ENGINEERS

Los Angeles County: 1130 W. Huntington Drive  
Unit 12, Arcadia, CA 91007  
Tel 626.821.3456  
Fax 626.445.1461  
Mobile 626.826.3456 • e-mail: saahmad@saassociates.net

Orange County: 1661 N. Raymond Avenue  
Suite 100, Anaheim, CA 92801  
Tel 714.871.9083  
Fax 714.871.3652

**Penfield & Smith**  
Engineering Tomorrow - Today

Santa Barbara Corporate HQ (805) 963-9532  
Central Coast Regional Office (805) 925-2345

Ventura County Regional Office (805) 981-0708  
Antelope Valley Regional Office (661) 945-7592

- Civil Engineering
- Surveying & Mapping
- Land Use Planning
- Construction Management & Inspection
- Traffic & Transportation Engineering
- Transportation Planning
- Structures Engineering
- Geographic Information Systems

www.penfieldsmith.com

Civil - Planning - Water Resources - Inspection  
Surveying - Construction Management - Program Management  
Architecture - Environmental - Landscape Architecture

**TKE ENGINEERING & PLANNING**

2305 Chicago Avenue - Riverside - CA - 92507  
Ph. (951) 680-0440 - Fax (951) 680-0490  
www.tkeengineering.com

**PETRA**  
past + present + future

Geologists  
Geotechnical Engineers  
Environmental Scientists

888-243-6100

Debanik Chaudhuri  
Chief Geotechnical Engineer

562.426.3355 phone  
562.426.6424 fax  
562.355.8635 cell  
dchaudhuri@twininglabs.com  
www.twininglabs.com

2883 East Spring Street  
Suite 300  
Long Beach, CA 90806

Long Beach • San Bernardino • San Diego • Ventura • Sacramento

**PERLITER & INGALSBÉ**  
CONSULTING ENGINEERS

Engineering Investigations, Designs and Construction Services for:

- Potable Water
- Recycled Water
- Wastewater
- Storm Drainage

(626) 398-9111

2369 Lincoln Avenue, Altadena, California 91001  
Facsimile: (626) 398-9115 Website: www.P-and-I.com

**URS**

Garry Lay, PE, GE  
Farid Motamed, PE, GE

2020 East First Street  
Suite 400  
Santa Ana, CA 92705  
Tel: 714.835.6886  
Fax: 714.973.4062

915 Wilshire Boulevard  
Suite 700  
Los Angeles, CA 90017  
Tel: 213.996.2200  
Fax: 213.996.2374

www.urscorp.com



## HYDROLOGY/HYDRAULICS/ENVIRONMENTAL SOFTWARE

# ADVANCED ENGINEERING SOFTWARE

P.O. Box 4962  
GARDEN GROVE, CA 92842-4962  
TEL/FAX: (714) 780-8990

TO REVIEW AES PROGRAM FEATURES AND CAPABILITIES, VISIT:  
<http://www.advancedengineeringsoftware.com>

- Software written/supported by **AUTHORS OF THE HYDROLOGY MANUALS**.
- Software used throughout Southern California since 1980 by private and government agency engineers.
- Used to develop 55 City-Wide and County-Wide Master Plans of Drainage throughout California.

**AES Program Developers & Support:**  
Theodore V. Hromadka II, Ph.D., Ph.D., Ph.D., P.E., P.H., LG, *Professor Emeritus, CSUF*; Johannes J. DeVries, Ph.D., P.E., *Faculty, UC Davis*; Howard H. Chang, Ph.D., P.E., *Professor, SDSU*; Paolo Zanetti, Ph.D., QEP, *President, EnviroCOMP*; Robert J. Whitley, Ph.D., *Professor Emeritus, UC Irvine*; Carlos Brebbia, Ph.D., *Director, Wessex Institute of Technology*; Gary Guymon, Ph.D., P.E., *Professor Emeritus, UC Irvine*.

**NON-PROFIT  
 U.S. POSTAGE  
 PAID  
 PERMIT NO. 1441  
 SANTA ANA, CA**

**POSTMASTER: THIS CONTAINS TIME-SENSITIVE MATERIALS.  
 PLEASE DELIVER PROMPTLY.**



**Please contact ASCE Membership at  
 1-800-548-ASCE for any address changes.**

## ASCE OFFICERS AND DIRECTORS OF THE LOS ANGELES SECTION, FY 2010-2011

President	Greg Heiertz, P.E.	Irvine Ranch Water District	949-453-5560	heiertz@irwd.com
President-Elect	John Hogan, P.E.	Hall & Foreman, Inc.	714-665-4507	jhogan@hfinc.com
Past President	Jay H Higgins, P.E.	URS Corporation	818-406-4896	jay_higgins@urscorp.com
Secretary	Janice Horcasitas, P.E.	City of Bakersfield	661-326-3607	jhorcasi@bakersfieldcity.us
Treasurer	Gary Gilbert, P.E.	Diaz Yourman & Associates	714-245-2920	gary@diazyourman.com
Vice-President Student Activities	Karen Sepulveda	Bob Hope Airport	818-309-9649	kar@sepulvedas.net
Vice-President Technical Groups	Bill Flores, P.E.	HDR Engineering, Inc.	951-320-7311	bill.flores@hdrinc.com
Desert Area	Clarence Martin, P.E.	City of L.A. Department of Water and Power	760-873-0342	Clarence.Martin@ladwp.com
Metropolitan Los Angeles	Andy Duong, P.E.	HDR Engineering, Inc.	714-730-2300	andyg.duong@hdrinc.com
Orange County Branch	Ziad Y Mazboudi, P.E.	City of San Juan Capistrano	949-234-4413	zmazboudi@sanjuancapistrano.org
San Bernardino/Riverside Counties	Lauren Popescu, P.E.	City Of Fontana	909-350-7663	lpopescu@fontana.org
San Luis Obispo	Rob Down, P.E.	Earth Systems Pacific	805-544-3276	rdown@earthsys.com
Santa Barbara/Ventura Counties	Carlos Sanchez, P.E.	Mimiaga Engineering Group	805-451-4090	Sanchx01@earthlink.net
Southern San Joaquin	Rick Iger, P.E.	GEI Consultants	661-327-7601	riger@geiconsultants.com
Younger Member Forum	Heren Molina	PPC Construction Inc.	323-256-2600	heren.molina@ppcco.net
Life Member Forum	Larry Lewis, P.E.	Retired/City of Los Angeles	562-927-2088	m13lewis@aol.com
Region 9 Governor	Shahnawaz Ahmad, P.E.	SA Associates	626-821-3456	sahmad@saassociates.net

### NEWSLETTER INFORMATION

#### Publisher

ASCE LA Section  
 Gayle Stewart  
 1405 Warner Ave., Suite B  
 Tustin, CA 92780  
 Phone (714) 258-8306  
 Fax (714) 258-8391  
 E-mail: GStewart@associationplanet.com

#### Editor

Dr. Cris B. Liban, P.E.  
 LACMTA  
 One Gateway Plaza  
 Mail Stop 99-17-2  
 Los Angeles, CA 90012  
 Phone (213) 922-2471  
 FAX (213) 922-6875  
 E-mail: cliban@UCLAlumni.net  
 Typesetting, Layout & Printing: The Center Quickprint



Please send all copy to the Editor by the first of the month preceding publication.

#### Identification Statement

ASCE Newsletter, (ISSN 0273-6233) is published monthly by ASCE, Los Angeles Section, 1405 Warner Ave. Tustin, California 92780. Subscription price included in Section dues of \$45.

#### Circulation

Circulated monthly (except for a joint July/August issue) to the 5,000 subscribing members of the Los Angeles Section, ASCE.

#### Advertising Rates

EMPLOYMENT ADS	DISPLAY ADS
\$75/column inch	1/8 page \$150
	1/4 page \$250
	1/2 page \$415
	1 page \$690

#### PROFESSIONAL DIRECTORY

\$350 per business card for a full year (Additional fees may be applied for typesetting. Please call for information.)

#### POSITION WANTED ADS

No cost to L.A. Section members.

For more advertising and billing information, please contact Lorena Arce, P.E., at (562) 448-4526 or [lorena.arce@hilti.com](mailto:lorena.arce@hilti.com)

National ASCE (800) 548-2723 (ASCE)  
 Access National ASCE at: [www.asce.org](http://www.asce.org)  
 L.A. Section web site at: [www.ascelasection.org](http://www.ascelasection.org)