



San Bernardino & Riverside Counties Branch

Los Angeles Section, Region 9 - Since 1953

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President's Message

Welcome to a new calendar year for ASCE, I wish all of you the best in these troubling and uncertain economic times.

If you are reading this you must have some amount of interest in ASCE activities, or want to stay informed of the state of our profession or perhaps both. Perhaps some of you wish to be more active in the branch, or want to contribute but do not know how. You are the people I want to hear from most of all. Your very capable and dedicated Branch Board of Directors want to hear your questions, concerns, ideas, and any interest you have in contributing to your local branch. One luncheon meeting a month is not nearly enough to know what you want and expect from ASCE; we want to hear from you directly and regularly. Our branch webpage will soon be outfitted with the means to submit questions and comments that will be responded to either directly from one of your board members or within this newsletter. Until then, please contact me directly at bdwolfe@csupomona.edu. Please don't hold back with contacting us. As you will see in the Membership Resource Guide, Civil Engineers are at home with ASCE.

Our ASCE branch consists of a geographic area of over 27,000 square miles and a combined population of over 4.1 million people. These considerable statistics affords us a large and diverse talent pool of civil engineers. This talent pool needs to be tapped and encouraged to contribute their skills and enthusiasms towards building the value of our branch. That is why reaching out to current and future members beyond the metropolitan areas of San Bernardino and Riverside is a priority of mine for this year. We are currently in the planning stages of forming a Membership/Welcome Committee that will not only contact members within their first few years of membership directly, but will also assist those members to direct their energies and passions to those aspects of ASCE that interest them the most. If there is a committee that interests you, please join. Can't find a committee or technical group that satisfies your interests? Start a new committee or organize a group tour or volunteer to arrange to have a special

(Continued on page 2)



NEWSLETTER

(Continued from page 1)

guest speaker for one of our monthly meetings. ASCE provides a supportive environment to develop leadership and personnel skills; you are home at ASCE. Believe me, the more active you become in ASCE, the more you will feel a part of something larger than yourself. You will feel ever more connected to a noble profession with unlimited opportunities.

Brian D. Wolfe, PE ASCE President, San Bernardino/Riverside Counties Branch of the LA Section of ASCE



John A.L. Waddell built a reputation as one of the 20th century's best known and highly respected bridge builders. Waddell was a prolific bridge designer, with more than a thousand structures to his credit in the U.S. and Canada, as well as Mexico, Russia, China, Japan, and New Zealand. His bridges spanned the Mississippi, Missouri, Niagara, and Colorado rivers. Waddell's work set standards for elevated railroad systems and helped develop materials suitable for large span bridges. His most important contribution was the development of the modern vertical-lift bridge. His patented design was first used in 1893 for Chicago's South Halsted Street Bridge over the Chicago River.

This Month in History

JOHN A.L. WADDELL

In late 1891 he went into private practice in Kansas City, Missouri and began his long career as a designer of bridges including vertical lift bridges. His first proposal for a vertical lift bridge was at Duluth, Minnesota. The selection committee was firmly in favor of the vertical lift design, but the cash prize was not awarded to Waddell as his bridge "pulled up and not back." Waddell then made a proposal to build a similar but smaller lift span over the south branch of the Chicago River at South Halsted Street. A swing bridge existed at this location but was destroyed by a passing ship on June 30, 1892. Waddell reported, "Chicago engineers as a body were opposed to this type of bridge; and the then highest authority on bridges in America, the late George S. Morison, stated flatly that it could not possibly operate and that it would be impracticable to raise the span off the piers." Before he began construction of the bridge he submitted a patent application for a Lift-Bridge on November 16, 1892. The patent was granted on October 10, 1893 as No. 506,571. It was the first of many lift bridge patents he received. The bridge opened in 1893 but from that year to 1907 "no progress worth mentioning was made in the building of vertical-lift bridges, mainly for the reason that the Author's patents prevented other engineers from entering the field, and because of his personal discouragement previously mentioned." Between 1910 and 1917, however, he designed 34 lift bridges and many after that period. In addition to lift bridges, he designed many fixed bridges including the 1929 cantilever bridge across the Mississippi River at Cairo, Illinois and swing bridges at Omaha (1893) and Jefferson City, Missouri (1896). Two of his later bridges were two cantilevers, the Goethals Bridge (1928) and the Outerbridge Crossing (1928) from New Jersey to Staten Island, New York. He also built many con-

crete bridges including the Twelfth Street Bridge in Kansas City, Missouri. It is a double-deck, reinforced-concrete structure completed in 1915. The structure still stands after a life of over 90 years. Another was the Arroyo Seco Bridge in Pasadena, California built in 1913 and still another the Detroit-Superior Bridge in Cleveland, Ohio. It was a 3,500 foot long double deck concrete bridge with a 591 foot arch of nickel steel. Waddell had studied the use of nickel steel in bridges for the International Nickel Company in 1903-1906 and recommended its use. Over his career he claimed to have designed over 1,000 bridges in the United States, Japan, Russia, Cuba, Mexico and New Zealand.

During his career from 1887 to his death in 1938, he was associated with the following firms: J. A. L. Waddell 1887 - 1899, Waddell and Herrick 1899 - 1907, Waddell and Harrington 1908 - 1915, Waddell and Son 1915 - 1920, J. A. L. Waddell 1921 - 1926, Waddell and Hardesty 1927 - 1938. He won the prestigious Norman Medal from the American Society of Civil Engineers (ASCE) in 1909, 1916 and 1920 as well as international awards around the world. He was made an Honorary Member of the Society in 1937 just prior to his death. He was a prolific writer with his main work being Bridge Engineering in two volumes published in 1916. He wrote, "The life of the bridge specialist is by no means easy. His governing motto should be integrity, thoroughness and progress." He was in the eyes of his peers a "genius in the art of bridge building; one of the outstanding international engineers in his field."



ASCE CURRENT NEWS

(Visit <http://asce.org> FOR COMPLETE ARTICLES)

- Lawmakers may extend transportation funding system** The House of Representatives this week is expected to extend the current system for funding road and other transportation projects until next year. Analysts say the debate over health care reform has taken the focus off of a \$500 billion bill that would cover highway and public transit construction and repair. Associated General CEO Stephen E. Sandherr noted that short-term extensions create uncertainty in the marketplace. "It takes away states' ability to plan," he noted. [WSAV-TV \(Savannah, Ga./The Associated Press \(9/21\)](#)
- California Interstate project will create jobs** Stimulus funds have helped to pay for a California project that will overhaul entry and exit ramps and add lanes to Interstate 215. Residents of the large suburban area known as Inland Empire hope the \$800 million project will help ease the 13% unemployment rate. The project will widen 7 miles of I-215 and employ up to 600 workers each year for four years. [The Wall Street Journal \(9/29\)](#)

What's New at ASCE in 2010?

Why should you renew your 2010 ASCE membership now? Beyond helping your Section inch closer to crossing the finish line first and earning \$1,250, you guarantee

your exclusive member only access to these new and updated ASCE programs in 2009-2010, in addition to the [resources you enjoy every year with ASCE](#):

New - [ASCE eLearning Workshops](#) – Use free member-only access to live Web learning programs designed to help you hone critical career skills.

New - [Expanded eMentoring Programs](#) – Mentors and protégés benefit from an extended personal online network to exchange ideas, learn new skills, and share experiences.

Growing - [Participate in EWB-USA](#) – Help bring sustainable engineering projects to developing communities worldwide by joining or renewing with EWB-USA at an exclusive ASCE member discount.

ASCE gives you three easy ways to renew:

- Mail** in your 2010 renewal form, which was mailed on Sept. 8, 2009.
- Renew** online at www.asce.org/renewal and help ASCE “go green” by conserving the paper used in mailing your renewal back and also saving on printing costs for future renewal notices.
- Call** ASCE Customer Service at (800) 548-ASCE (2723) or (703) 295-6300 between 9:00 a.m. – 5:00 p.m. ET, Monday-Friday.

Section by renewing by Dec. 1 and make sure you don't miss out on any of these new benefits or the value you receive from ASCE each year.



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FUTURE CITIES COMPETITION NEEDS YOU...TO BE AN ENGINEER MENTOR!

Future City is a middle school educational outreach program, put on by the National Engineers Week Foundation. Founded in 1951, it is the nation's oldest educational outreach.

Future City is an organization comprised of many engineering organizations, including ASCE, which provides engineering education outreach to middle school students. This outreach is in the form of a competition of teams composed of 3 middle school students, a science teacher, and an engineer mentor. Together the team works on designing a city of the future using SimCity 4 Deluxe™ software, preparing an abstract and essay about their city, building a scale model of the city using recyclable materials, and presenting the city to a team of judges at the Los Angeles Regional Competition, held at the Southern California Science Center on the last Saturday of January (subject to change).

The LA Regional Future City Committee would like all engineers, registered or not, to participate in this event by volunteering to be an engineer mentor for a local middle school. Current opportunities are with schools in Los Angeles (Sawtelle District), Upland, Norwalk, Lancaster, and Pomona. Engineers are encouraged to invite middle schools near their home or workplace that are not currently registered to participate in this enriching activity.

The commitment includes meeting with and advising the team about their deliverables at a time that is mutually convenient to all. It is advantageous for mentors to start working with their teams early in the fall, so that there will be plenty of time to meet the deadlines for the deliverables leading up to the January competition.

Winners of the Regional Competitions receive an all-expense paid trip to Washington, D.C. to compete in the National competition. Past winners of the National competition have received all-expense paid trips to NASA's Space Camp in Huntsville, Alabama.

More information about Future Cities can be obtained at: www.futurecity.org

To become an engineer mentor and make a difference in the lives of our youth, please contact the Los Angeles Region Engineering Mentor Coordinator:

Fred A. Gonzalez, MBA, P.E.

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**Your Help Is Needed for Manual 45!
ASCE Consulting Engineering Practice Survey
2008 - 2009**

www.asce.org/m45

ASCE is improving Manual No. 45, How to Work Effectively With Consulting Engineers, which provides guidance on procuring engineering services for a quality project. We need your help to obtain the most accurate information on compensation for engineering services to make this next edition of Manual 45 more valuable than ever. It is critical that we obtain a broad response of actual project data. We are asking principals and project managers to submit one survey per office. The survey is available at <http://www.asce.org/m45>. We request that you pass this announcement on to your colleagues for their use as well. The survey is completely confidential and only ASCE staff will have access to individual survey responses and contact information. **Each respondent will be entered into a drawing for an iPod nano.** If you have any questions or want information on alternate submission methods, you may call Becky Waldrup, Manager, Professional Practice at 800-548-2723, ext. 6281 or send an e-mail to rwaldrup@asce.org. Thanks for your help! Every response helps make this publication better.

**Volunteer For
Mentorship Committee**

The Mentorship Committee is Looking for Volunteers and Committee Member at Large. Please contact: ascementorshipcommittee@gmail.com for additional information.

ASCE 23rd Annual Golf Tournament

Date: Friday, October 23, 2009
Time: 12:00 p.m.

*Location: General Old Golf Course
6104 Village West Drive
Riverside CA, 92518*

Cost: \$65.00 per person

Deadline: 10/16/09

*Additional Information: Terry Renner
(951) 680-0440*

Membership Information

Type of Membership and Annual Dues (National)

Students: Free
 Associate Member: \$50 year of baccalaureate degree and first year after, then incremental increases to \$205 over five years
 Member: \$205 annually
 Affiliate: \$205 annually
 Section (Branch) Dues \$45/year

1. National ASCE Student Membership is now FREE! Those who have chapters or clubs still must be a member of them before joining National. Log onto <https://www.asce.org/online/> fill out the short application and instantly become a member of ASCE or call 1-800-548-ASCE (2723)
2. Online Membership renewal available, go to <https://www.asce.org/renewal/inforenewal.cfm>. You need your membership number, all payments must be made with a major credit card. An e-receipt is transmitted to the member upon completion of the transaction.

Company Spotlights/Projects

If you paid for a monthly business ad and you would like your company or one of your projects spotlighted in the monthly newsletter please contact the Newsletter Editor, Francis Gbondo at fjgbondo@yahoo.com

We will be happy to place your spotlight in an upcoming issue.

Advertising Rates

Approximate number of mailings: 600 per month.

Professional Directory (Business Card Ads)	Per Card (10 issues)	\$250
Display Ads	Full Page (per issue)	\$235
	One Half Page (per issue)	\$125
	Quarter Page (per issue)	\$75

Advertising Information: To place ads, contact the editor. Payments are due 30 days from the date of publication. Copies must be received by the Editor by the 3rd Thursday of the month prior to publishing.

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INTRODUCING YOUR 2009-2010 BOARD MEMBERS

Brian Wolfe, PE - President

Brian Wolf is a Registered Civil Engineer for the Westland Group, Inc. in Rancho Cucamonga. His typical engineering duties include the design, project management, and construction support of water, sewer, and grading plans throughout the Inland Empire. Brian earned his Bachelor of Science in Civil Engineering from California State Polytechnic University, Pomona where he also works as part-time faculty.



Scott Petersen—President Elect

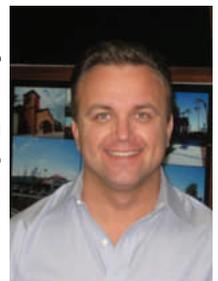


Scott Petersen is a Registered Civil Engineer and Project Manager with TKE Engineering, Inc. He is currently managing the design of several street, water system, sewer and storm drain facility improvements and is responsible for marketing and business development. He obtained a Bachelors of Science degree from California State Polytechnic University, Pomona and a Certificate in Land Use and Environmental Planning from University of California, Riverside Extension Center.

Mr. Petersen is very active in professional and community based organizations, and is currently serving the American Society of Civil Engineers Riverside and San Bernardino Counties Branch as Vice President, Younger Member Forum as President Elect, and is an active member of the Inland Empire Chapter of Engineers Without Borders. He also serves the Arlington Division of the Greater Riverside Chambers of Commerce as Vice President of Community Development and is a voting member of the Economic Development Council.

Lauren Popescu—Vice President

Lauren Popescu is a Registered Civil Engineer with the City of Fontana, Department of Engineering Traffic Section. The Traffic Section is responsible for the analysis of traffic congestion, delays and collision records, throughout the City. Lauren received his Bachelors of Science degree in Civil Engineering from California State University, Los Angeles in 2002. In 2004, he helped start the San Bernardino & Riverside Counties Branch Younger Member Forum (YMF), where he served as the first YMF President.



Rita Escobar, EIT - Treasurer



Rita Escobar is an engineer in training (EIT) and obtained her Bachelors of Science degree in Civil Engineering from California State Polytechnic University, Pomona. She is a design engineer for a variety of public works projects including storm drain plans, street plans, bike trail plans, and drainage reports.

Matthew Addington—Secretary

Matthew Addington is a Professional Engineer and Professional Land Surveyor with the City of Rancho Cucamonga. Mr. Addington leads the Grading Division in the Building and Safety Department. In addition, Mr. Addington reviews survey maps for the Engineering Department. Prior to joining the City of Rancho Cucamonga, Mr. Addington worked over 25 years in private practice. He earned his Bachelor of Science in Civil Engineering from California Polytechnic State University, Pomona and a Certificate in Project Management from University California Riverside Extension.

Francis Gbondo—Newsletter Editor

Francis Gbondo is a Registered Civil Engineer and a Leadership in Environmental and Energy Design Accredited Professional. He obtained a Bachelors of Science degree from California State Polytechnic University, Pomona. Mr. Gbondo has many years of design experience on various transportation and public works projects as a project engineer. He has worked on multi-agency projects that have included CALTRANS, the Port of Los Angeles (POLA), and many other Local Cities and Counties.

**Edwin Quinonez - Assistant Newsletter Editor**

Edwin Quinonez is a Registered Civil Engineer with the Riverside County Flood Control and Water Conservation District. His typical duties consist of preparing master drainage plans, including all supporting hydrology calculations, hydraulic analyses, quantity and cost estimates, and maps. He obtained his Bachelor and Master of Science Degrees in civil engineering from the University of Southern California. He has been actively involved with the San Bernardino and Riverside Counties Branch Younger Member Forum (YMF) since its inception in 2004, and is currently serving as the forum's President.

Tim Wilson, PE—Past President

Mr. Wilson is a Registered Civil Engineer and Licensed Architect in the State of California and graduate of Cal Poly, San Luis Obispo in 1976. He has worked in Public Works for several local Municipal Agencies, Private Engineers and Architects until going into private practice with GTS Associates Inc., now for more than 30 years. He currently is employed by the City of Redlands. He is Past President of Riverside/San Bernardino Branch APWA in 2001 and President of Chapter 21 of CSPE in 1999 and 1993.



ASCE Riverside-San Bernardino Counties MENTORING PROGRAM : CULMINATION DINNER



Names from left to right (standing): Rita Escobar, Lauren Popescu, Ron Peters, Jim Kinley, Jerry Burke, Johnny Liu (Committee Member at Large), Courtney Otubuah, Clive Wynte; (sitting): Alfred Pedroza (Committee Secretary), Neil Nilchian (Committee Chairman), Nancy Hanna (Committee Member at Large), Mayor Paul Leon, Mark Norton, Jessie Powell (Committee Event Coordinator), Edwin Wen (Committee Treasurer), Ramakrishna Tadi; Members Not Pictured: Georgia Jeffers (Committee Vice Chair), Cassie Cerin, Arlene Chun, Sameer Deo, Bradley Dybel, Alex Eapen, Abbas Fawaz, Emily Long, Cynthia Gabaldon, Scott Petersen, Rosendo Saldivar, Chris Turnage, Charles Johnson, Matthew Addington, Sabrina Nilam and Mariangeles Real

On June 13, 2009 the Mentorship Committee hosted a Culmination Dinner at the Doubletree Hotel in Ontario to celebrate completion of the Mentoring Program's first year. The Mentoring Program helps foster professional development of engineers during the early stages of their career by pairing them up with more experienced engineers. Members and guests of the Mentoring Program enjoyed the dinner event with The Honorable Mayor Paul S. Leon of the City of Ontario, as guest speaker. Mayor Leon has been dedicated to the betterment of youth welfare in the Inland Empire and he has contributed thousands of volunteer hours to area organizations. He also has served as the coordinator for a number of youth groups. In addition, he has received a number of distinguished awards from a number of different organizations. In 2006, he was selected by the Ontario Chamber of Commerce Latino Business Council as the Community Leader of the Year. At the dinner, he described his childhood experiences and the mentors he had while growing up. "I have always been an advocate for mentoring because, had it not been for mentors in my life, I could not be where I am today," said Mayor Leon. "Don't think of it as a commitment or a job. Who will you plant the seed of success into? Who are you growing? What are you successful in and help someone else be successful in what you do."

(Continued on page 10)

Trang Huynh, P.E., C.B.O., Planning Commissioner

A Fellow Engineer In Our Civil Engineering Community has been appointed to the Highland Planning Commission.

Trang and his family reside in the City of Highland. He has developed strong interests in the projects' planning process and the efforts to beautify the cities where he works and lives, Trang was appointed by the City of Highland's City Council to be on the Design Review Board in 2008. In June 2009, The City Council appointed Trang to be the new member of the City's Planning Commission. He really enjoys the work of the Planning Commission. Trang's knowledge and understanding of the code requirements, civil engineering designs have provided him great discussions and good decisions for the projects presented to the Commission. In addition to the busy work schedules and family activities, Trang also has found the time to volunteer to coordinate the neighborhood clean-up events in Rancho Cucamonga and worked with the Habitat for Humanity organization to build houses during the last two years.



- BSCE (1980) and MBA (1983) San Diego State University.
- P.E License in California (1983).
- Certified Building Official by the International Code Council (ICC).
- Current President of the ICC Foothill Chapter of Building Officials.
- Trang has been working in the areas of structural design, plan check, inspection, code enforcement, city department administration during the last 29 years.
- Past positions were: Senior Engineer for the County of San Diego, Building Official for the Cities of San Clemente, Manhattan Beach.
- Since 2002, Trang is the Building & Safety Official for the City of Rancho Cucamonga with a staff of almost 40 persons. He administers the programs of building permits, building, fire plan checks and inspections, municipal code enforcement, city's grading plan checks and inspections.
- In 2008, he was awarded by the Rancho Cucamonga Chamber of Commerce "Most Business Friendly Award".
- Trang's motto is "Civil Engineering Is Working for People..."

Calendar of Current Events

October 14th	LID Design Workshop	Orange Terrace Community Park- Riverside
October 21st	General Membership Lunch Meeting	Mexicali Bar & Grill—Riverside
October 23rd	ASCE 23rd Annual Golf Tournament	General Old Golf Course
October 29th	ASCE 139th Annual Civil Engineering Conference	Kansas City, MO

If you have a business card advertisement in this newsletter and would like your company or public agency "Spotlighted" in future newsletters please contact the Branch Newsletter Editor, Francis Gbondo, at (951)790-9548 or the Treasurer, Rita Escobar, at (714)878-7283



(Continued from page 8)

The Mentorship Committee was formed in September 2007 and established the Mentoring Program featuring quarterly events to provide a forum for mentors and protégés to meet. A training workshop to kick off the Mentoring Program was held in May 2008 with support from National ASCE and the Committee on Career Development. In addition to guest speaker Mr. Michael Perovich, former Director of Caltrans District 8, the workshop also included presentations by expert ASCE facilitators and provided guidance for successful mentoring relationships. The workshop was followed by a Bowling Night in July 2008, the first Semi-annual Dinner in November 2008 and a Billiard’s Night in March 2008. Although June 2009 marked the official end of the Program’s first year, some mentors and protégés continue to meet and the Committee organized a Social Event at the Redlands bowl in August 2009. The Mentorship Committee is focused on providing opportunities for experienced engineers and young engineers to learn and grow from each other through mentorship. “We have many working or retired experienced Civil Engineers who are willing to share their expertise with our younger members for their career development purposes and the betterment of our profession. Therefore, we hope our Program will have a long lasting impact on many of our members and that is why we recommend it to other Branches, too.” explained Mr. Neil Nilchian, the Mentorship Committee Chairman. During this last year the Mentoring Program had twenty participants. The Mentorship Committee is currently making plans to expand the Mentoring Program and is seeking additional mentor and protégé volunteers to join. The Program offers protégés guidance that may not be available elsewhere and offers mentors an opportunity to give back to the engineering community. Mentors and protégés typically meet one-on-one monthly or as needed and each quarter the Mentorship Committee organizes a social event to bring all of the participants together. Please send an email to ascementorshipcommittee@gmail.com or visit the Committee's website http://www.asce-sbriv.org/Mentorship_Committee for additional information about joining the Program.

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Mark Your Calendar

Low Impact Development and Design are now a mandatory component in regional NPDES requirements and a key element to LEED design. The technical design criteria, issues and components of LID design will be presented in this workshop. The focus will be on engineering design parameters.



Stormwater Committee Meeting

- Date:** October 14, 2009
Time: 8:00 am—4:30 pm
Location: Orange Terrace Community Park
20010 Orange Terrace Parkway
Riverside, CA 92508
Cost: Members \$25, Non-Members \$40, (**All others without RSVP \$45**)
Deadline: October 8th at 12 noon
Additional Info: See Flyer on ASCE website for more details— [Buy Tickets](#)



Volunteers

For the upcoming year starting in October we are looking for eager members who have initiative to serve on a committee .



Francis Gbondo
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