ASCE
American Society of Civil Engineers
Metropolitan Los Angeles Branch MLAB
www.ascemlab.org
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INSIDE:

Breaking Bridges

Infrastructure RC

MLAB ASCE Awards

Mentoring Forms

CONTENTS:

President's Message:
"Our Potential"
by Serge Haddad, P.E.

I've always believed that the greatest adversaries to an engineer's potential are engineers. We are our own toughest critics and our own first obstacle to overcome. We allow differences to obstruct unity in times of economic turmoil. We have to make a collective and deliberate effort to erase from our minds the lines between public and private, novice and veteran, academia and industry; there is a time and place for those internal struggles. When our infrastructure needs funding most, we fail to come together as a profession.

I propose a new approach, let's focus on the common ground, let's focus on the bigger picture and the underlying goal. Civil engineering is the oldest profession because it is the critical catalyst for sustainable growth of any civilization. We supply trade routes for the economy, clean water for public health, build structurally sound monuments and ensure above all else that public safety and quality of life is enhanced. President Barack Obama wrote, "I wish this country had fewer lawyers and more engineers" (The Audacity of Hope). This statement speaks volumes to where we are as a nation and where we should be as a profession. Our political system is saturated with attorneys who write the law, vote upon the law, interpret the law, and execute the law. Where are our engineering representatives in Congress? As more engineers enter into practice, I wonder what characteristics will define this new generation?

As President of MLAB, I find myself in frequent debates with colleagues on the merits of inherited engineering stereotypes. I believe generalizations have stunted our potential as leaders. An engineer is "introverted"; an engineer is "not a good public speaker"; an engineer is "not creative" and so on. This archetype of the sterile engineer is bearing its weight in offices across America, and I am looking to you for the fortitude to demolish it.

We are more complex than any stereotype can capture. I challenge you to declare that you are extroverted, creative and a great public speaker. I challenge you to believe it. Reinforce those statements with your actions and with those actions people will see your passion, your humanity. Have no doubt in your potential. I invite you to attend any MLAB ASCE meeting. There you will find an enthusiastic, passionate, creative group of people devoted to raising our profession's prestige, to protecting our infrastructure and to developing policy-makers across this country. The time for you to act is now. We must deliberately choose to be leaders in our profession, in our private lives and in our communities, but we must first believe this potential is within us.

Civil engineers are diverse and like all groups we have introverts among us, we have those that prefer to not speak publicly. I refuse however to accept these characteristics as the norm for people in our profession. My experience as

See President's Message. . . Page 6

OUTSTANDING SECTION & BRANCH NEWSLETTER 2009 AWARD
Metropolitan Los Angeles Branch

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AMERICAN SOCIETY OF CIVIL ENGINEERS

Inspiring Our High School Students

by Francisco Aragon, LEED AP, PE

Break It! Break It! Break It! was all that could be heard in the multipurpose room. Students were excited to find out how much load their bridges could sustain and they were ready to push them to the limit. Many had been working on their bridge designs for over 2 months and were excited to see how much their work would pay off. There was a $1,000 scholarship at stake but more importantly bragging rights. After all, being named the best LA team carries a lot of weight, especially in this competition.

It was February 19th 2010, over 250 high school students from 38 schools around the Los Angeles and Orange County areas and over 50 volunteers participated in what has become one of ASCE Metropolitan Los Angeles Branch (MLAB) Younger Member Forum's (YMF) proudest highlights, the 16th Annual Popsicle Stick Bridge Contest (PSBC.) The students and volunteers had no idea that they were learning and teaching each other so much while having so much fun.

This year, ASCE chaired the national festivities of Engineers' Week, and chose to celebrate it by highlighting volunteerism, in response, the PSBC organizing committee set-out with the task to both make the event a first-class competition for the students, and organize volunteers to increase awareness to the value of staying in school, as well as exposing students to the civil engineering profession. Judging by the screams and the phenomenal feedback received, they succeeded.

The students gathered in Los Angeles at the beautiful and futuristic Annenberg Building at the California Science Center for a full-day of interesting and engaging activities. The event rotations included: loading the bridges, poster competitions, technical reports, presenting in front of judges, and 2 impromptu events conducted in partnership with the Science Center Education Department, which featured miniature sailboat races and a roller-coaster design contest; these were a highlight on their own, and together with the bridge loading were the crowd's favorites. Students also had a chance to explore the Science Center through a scavenger hunt at the main exhibits in the museum.

ASCE's MLAB YMF organized this year's successful competition with help from dedicated volunteers. The organizing committee had been meeting consistently 4 months before the competition and their dedication showed as the students moved swiftly from rotation to rotation. That day, the committee was joined by other professionals who dedicate their entire day to host individual events and judge technical papers, display boards, and presentations. Also of great help, were the university volunteers who were instrumental in this success. The University of California Los Angeles (UCLA) ASCE student chapter was part of the organizing committee and coordinated the bridge loading, and provided the bulk of the student volunteers. Other universities who provided volunteers include the ASCE chapters of California State University Northridge (CSUN), California State University Los Angeles (CSULA) and Loyola Marymount University (LMU).

At the awards ceremony, mixed-feelings were voiced, but the attendees all left with a sense of accomplishment. Some students were sad that they were graduating and would not come back next year. Other students complained that they wished they had started to build their

See Inspiring Our High School. . . Page 3

Inspiring Our High School . . Page 2

bridge earlier. However, overall, the feeling was of accomplishment. Students learned the steps to getting a project from the concept to construction and volunteers learned how easy it is to provide inspiration to the future leaders. The committee's task was successfully completed.

The organizing committee is excited about the growth of the event and happy with the service provided to the local students. The 2010 PSBC event was recognized with the Harry Staubs Memorial Award for Community Service by the Los Angeles Council of Engineers and Scientists. A special thank you to our sponsors for the event; ASCE LA Section, ASCE Metropolitan Los Angeles Branch, UCLA School of Engineering, AECOM, Shannon & Wilson, Simpson Gumpertz & Heger, Adkan Engineers, Simpson Strong Ties, Hilti, Parsons Brinckerhoff, LA County Public Works, Engineering Resources, TBI & Associates, and PENCO.

Overall competition and bragging right winners:

1st Place:

Joules and Momentum (North High School)

2nd Place:

We Team (Garden Grove High School)

3rd Place:

SAN (Francisco Bravo Medical Magnet)

MLAB YMF Updates

by Diana Szymanski

The Metropolitan Los Angeles Branch Younger Member Forum has been keeping busy with many events in the previous quarter and several more planned for winter quarter. Notable events from the first quarter included: the first general membership meeting to kickoff the year where guest speakers from the U.S. Army Corp of Engineers gave a presentation on ongoing and upcoming projects the event was planned and coordinated by Frank Aragon, Jane Tran and Sonia Flores hosted a Curious George Erosion Activity at Clover Elementary School with twenty-six younger member volunteers, and a catapult building activity for students at the Discovery Center in Thousand Oaks; and Andrew Parkhurst spearheaded the holiday spirit by hosting a science booth for underprivileged families at the St. Joseph's Center Holiday Party

The winter quarter included several of YMF's largest events of the year. Julie Kentosh and Maria Miranda have finished the Spring P.E. Review Course, Erik Hoffman spearheaded the annual Student Night Job Fair which took place on March 19 showcasing many of the finest students from our local universities; Frank Aragon and his active committee coordinated the annual Popsicle Stick Bridge competition which is the local highlight of the ASCE sponsored National Engineers Week celebration, and Jose Cruz coordinated the annual ski and snowboarding trip to Mammoth teamed up with other YMF Groups in Southern California.

The upcoming quarter is also off to a running start with fantastic social events like the wine tasting trip and river rafting camping trip and more K-12 events. Also a group of younger members will be running with Team-in-Training for the San Diego Rock and Roll Half and Full Marathon to raise money for the Leukemia and Lymphoma Society. Check our website (www.mlab-ymf.org) to find out more about these and other upcoming events.

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Fulfilling ASCE's Potential

by Anthony Beauchamp

As a new member of MLAB's Government Affairs Committee I am beginning to see the role a professional society plays in advocating for its industry. ASCE is an excellent organization that advances the engineering profession in many areas; education and ethics just to name two, but there is one area where ASCE is failing to meet its full potential: legislative activities.

True, ASCE does advocate for the interests of engineers within the political arena, but one must concede that it is marginal when compared to organizations like the American Trial Lawyers Association (ATLA) for trial lawyers or the American Medical Association (AMA) for doctors (ranked #5 and #12, respectively in 2001 on Fortunes 'Top 25 most powerful lobbying groups'). The AMA invested approximately 20 million dollars, roughly 9% of their annual expenses, in 2008 advocating for their members (per the records from the Senate Office of Public Records). I think most would agree that 9% of an organization's annual expense is a significant amount; furthermore, the willingness of professional organizations to invest significant amounts of money on advocacy in the legislative arena reinforces that the cause is credible. ASCE has the resources and a duty to invest a significant percentage of its budget advocating for causes that impact its members and profession.

This is where members of ASCE can take action and fulfill ASCE's potential. By implementing a professional advancement strategy in the legislature, through lobbyists and other means, similar to other professional societies, ASCE can not only advance engineering as a profession but also work to secure employment, improve the country's infrastructure, increase wages and return the prestige that was once associated with being a professional engineer. In my experience, engineers do not fully utilize their voice and talents to meaningfully influence new legislation, and as a consequence are often seeking reactive measures to repair an infrastructure that is at, or surpassing, the end of its design life. Good examples of this reactive maintenance are repairing recent water main breaks in Los Angeles and the cable failure on the San Francisco Bridge. Public safety will require that aspects of our infrastructure be completely replaced, probably at an unnecessarily high cost to tax payers. If engineers answered the call to action to increase their influence in government, then the funding required to complete proactive infrastructure projects that benefit the public, would be better invested.

ASCE has the potential and the opportunity to bring unity to the profession. It is important that as an organization we take measurable and diligent steps to fulfill the role of the future engineer as published in ASCE's Vision 2025: engineers are the policy and decision makers. While I do not pretend to know what action will most effectively bring positive change, I do know that inaction will only further erode the respect, prestige and capability of the en-

Great Southern California Shake Out

by Philip D. Johnson, EIT, AM, ASCE

All MLAB members are encouraged to participate in the Great Southern California Shake Out. We are signed up as an organization. To get more information please go to **http://www.shakeout.org**

It's totally free. All we would need to do is to pledge to participate by doing the drill: duck, cover, and hold on at 10:21 AM on 10/21/2010.

MLAB ASCE AWARDS

The Board wants to congratulate the following talented students for winning the MLAB ASCE

Awards:

Patti J. Gadomski
Eduardo Avina Jr., LMU - $2000

Le Val Lund Scholarship
Luz Arteaga, CSULA - $2000

MLAB SCHOLARSHIPS
Devon Laduzinsky, UCLA - $2,500
Kristine Gali, UCLA - $1,500

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Government Affairs Focus:

Activities Geared Towards Unifying the Profession

by Erik Hoffman, PE

Building off of the success of 2009, which brought the highly attended and praised Engineers and Politics workshop, the Government Affairs Committee (GAC) now is planning three highly anticipate events.

Tentatively scheduled for September 2010, ASCE is pursuing a PECG/ACEC discussion. This event is already creating a buzz in the California Civil Engineering community. During this event there will be members of both organizations as well as a moderator from MLAB ASCE. The purpose you ask? To find common ground that all parties can agree upon that will further government's investment in our crumbling infrastructure.

ASCE has achieved great strides in government relations, both on the national level and in Region 9, by hosting "fly-in" events both in Washington DC and in Sacramento where engineers sit down and express the need for funding directly to their representatives. Building on this, the MLAB GAC is hosting a "drive-in" to city hall where you can meet with your local representatives and petition your case for better infrastructure. Scheduled for June 9th, this event is sure to be regarded as groundbreaking for the Los Angeles Section, since it will be the first Section/Branch in the nation to host such an affair.

Lastly, the MLAB GAC is once again hosting another Engineers and Politics workshop. The event gained national prominence last year as an example to other branches and sections on how to help members become more of a force in the political arena. This year the committee plans to build on that foundation, and bring speakers from all over the nation to show you how you can make a difference. The tentative date is August 7th, and you are strongly encouraged to be part of this event, we are the experts in our field and if we do not fight for our infrastructure, who will?

The three mentioned events are sure to be ones you don't want to miss. However what is achieved is directly dependent on your involvement. If you haven't yet been to a GAC meeting, do so. Los Angeles is on the cutting edge of Government Affairs, and you should be part of it. If you would like more information please contact the chair of GAC, Jeff Girard at jeffgirard@ndspro.com

Civil Engineers Visit Legislators in Sacramento

by Marlon Calderon, PE

On February 10th eight Branch board members from the Government Affairs Committee participated in a very important legislative activity in the State capital. The goal was to discuss present and future infrastructure challenges in our communities that are currently failing or facing a shortage of funding for improvements. Overall, about 40 ASCE members from the Region 9 attended the Sacramento Fly-in to meet with Legislators in Sacramento. Groups were split into two or three members based on their legislative experience. Each met with their respective senator and assembly representatives per their home address. On average each group had about 4 thirty minute appointments during the day.

Los Angeles Section President, Jay Higgins and I were paired to meet with our legislators from Burbank and Whittier. We commended them for supporting water legislation efforts recently passed to upgrade and maintain various water infrastructure projects and to advise them on the implication of the Governor's proposal to eliminate the gas sales tax which will cut and eliminate major funding for current and future transportation projects. In addition, we discussed various issues affecting infrastructure in our areas and challenges highlighted in the local ASCE Report Card. We plan to follow up by visiting their local offices.

If we want to start seeing changes in local infrastructure and improve future work opportunities we as civil engineers have to be more actively involved and aware of politics impacting our communities and profession. You can start by contacting your State and Federal legislators' district office and introducing yourself and tracking how each of them vote on specific issues affecting you and your profession.

President's Message. . . Page 1

an adjunct professor, civil servant and ASCE officer has exposed me to a cross-section of students and professionals that are breaking these stigmas daily. Historically and globally, engineers have created, maintained and shaped the course of civilizations.

How can anyone stereotype us as not being creative? Aside from designing, maintaining and constructing a project, engineers are regularly put into unique situations where they must balance the needs of a vocal community, a project owner and/or architect, and the regulations and codes that guide design, bid and construction phases. These pressures not only call on creative skills but also require decisive actions and credible communication skills.

I charge you with forging a new stereotype for us. I long for the day when I hear that my fellow engineers are reshaping the political landscape in Washington, when a politician is just as likely to have an engineering degree as a law degree. I want to see ASCE membership as a united front in defense and preservation of our nation's infrastructure. Show me articles written by engineers in the LA Times, town hall podiums held hostage by our members, and politicians who understand more than just the political landscape. As you read the second MLAB newsletter of the year, I hope that you'll discover the strength of our profession as exemplified by the success of our activities.

Breaking Bridges to Strength Connections

by Julia Moye

MLAB ASCE in coordination with the Bureau of Engineering (BOE) held its Ninth (9th) Annual Regional Bridge Building Contest on Tuesday, March 23, 2010 at California State University, Los Angeles (CSULA) King Hall. High School teams competed for a chance to advance to the International Contest on May 1, 2010 in Philadelphia, Pennsylvania. This contest provides the engineering community, high school students, and local universities an excellent opportunity to promote education and learning beyond a basic high school curriculum. The event was led with the help from California State University of Los Angeles (CSULA) Department of Civil Engineering and their students.

Professional volunteer mentors worked diligently with the students and their teachers to explore principals of physics, architecture and structural design. The objective for the students was to build a model bridge weighing no more than 30 grams (1.06 ounces) that conforms to specific limited dimensions for height, span and width. These requirements were developed for the International Bridge Building Competition by the Illinois Institute of Technology, Chicago, Illinois. Over a period of four months, mentors guided high school students through the process of design, construction, and testing. It was important to help the students understand engineering concepts and the governing laws of physics. Model bridge building provides the students with hands-on experience that supplements their studies. Mentors also deliver an important message highlighting the benefits of continuing education and a career in engineering.

On the day of the event, each bridge was registered, weighed, and measured for compliance per the international specifications. Students were given the opportunity to modify their bridge if it failed to meet required parameters. After lunch, the models were displayed for technical inspection and judged for best Architectural Aesthetics Design and Structural Design. Judges included Commissioner Andrea Alarcón of the City of Los Angeles Board of Public Works, Edgar Perez - Student President of ASCE and Dr. Rupa Purasinghe of CSULA. Sunny Patel from the BOE evaluated the best Structural Design. Sunny Patel kicked off the event and presentations were given by Commissioner Andrea Alarcón, Dr. Keith Moo-Young, Dean

See Breaking Bridges . . Page 7

Breaking Bridges. . . Page 6

of the College of Engineering, Erick Martell – Field Deputy for Councilmember Jose Huizar, and Dr. Rupa Purasinghe, Chairman of the Department of Civil Engineering, CSULA.

Trophies and prizes were awarded in the categories of Architectural Aesthetics, Structural Design and Efficiency category. In the Architectural Aesthetics' category, first place went to Wei Xie and Michael Last Name? of Downtown Magnet High School, and second place went to Hilda Alquicira and Brian Flores of Roosevelt High School. For Structural Design, Jose Mendoza and Angel Franco from King Drew High took first place, with Alex Conteras from Westchester High School taking second place.

The top two winners in the Efficiency category would advance to the 2010 International Bridge Building Contest. Model bridges were loaded with weights and an ultrasonic distance meter was used to measure the bridge's deflection. The audience watched anxiously as the model bridges were loaded and went through creaking, twisting, buckling and failure modes. The goal was to score the highest efficiency ratio, which is calculated by dividing the maximum load carried by the weight of the bridge.

Jonathan Portillo's team from Lewis High School won the efficiency prize for the third year in a row. Their bridge supported 42.5 Kilograms for an efficiency ratio of 1914. Miguel Marmolejo's team, also from Lewis High School, placed second for the second year in a row. The efficiency ratio of their bridge was 1440. Wei Xie's team from Downtown Magnet High School, took third place with an efficiency ratio of 706. Students from nine high schools built 15 qualifying bridges for this Regional Competition.

Jonathan and Miguel will travel to Philadelphia to represent Los Angeles in the International Bridge Competition. They will be accompanied by their teacher, Dr. Harald Holcomb, who has guided Lewis High School to a top bridge building program. Jonathan and Miguel's mentor, Kesavan Korand, is very proud of the hard work that they have put into their bridges.

We extend our thanks to CSULA for their facility and ASCE student members for making this event a huge success!

American Society of Civil Engineers

Bridge Building Competition Results

City of Los Angeles
Bureau of Enigneering
2010 LA Regional Bridge Building Competition

#	SCHOOL	NAME OF PARTICIPANT	DEFLECTION 15 mm Max. (mm)	Mass of Bridge (M, grams)	LOAD SUPPORTED (L, Kg)	Attachments Weight (a, Kg)	EFFICIENCY RATIO u = L/M	RANKING	AWARD
1	James Monroe High School	Bunoita Dinmuong / Lisiane Marin		10.60	0.00	0.00			
2	James Monroe High School	Usman Nasir / Evan Doxsee		11.40	0.00	2.50	219.298	14	
3	King Drew Medical Magnet High School	Jose Mendoza/ Angel Franco		18.50	10.00	2.50	675.676	4	Str 1, Efficiency 4
4	Roosevelt High School	Hilda Alquicira / Brian Flores		18.20	5.00	2.50	412.088	12	Arch 2
5	Community Harvest Charter School	Kevin Vargas / Mario De La Cerda		18.80	6.00	2.50	452.128	9	
6	Westchester High School	Alexander August-Schmidt		14.20	7.00	2.50	669.014	6	
7	Westchester High School	Alex Conteras		21.50	12.00	2.50	674.419	5	Str 2, Efficiency 5
8	Los Angeles High School	Jonathan Roldan / Jorge Escobar		23.20	7.00	2.50	409.483	13	
9	Los Angeles High School	Chang-Woo Lee, Victor Kwon		21.90	7.00	2.50	433.790	10	
10	Manual Arts high School	Sabas Garcia / Ed Avila		27.20	12.00	2.50	533.088	7	
11	Manual Arts high School	Erick De La Rosa / Johnny Serrano		30.00	13.00	2.50	516.667	8	
12	Downtown Magnet High School	Wei Xie / Michael Arcana		27.60	17.00	2.50	706.522	3	Arch 1, Efficiency 3
13	Downtown Magnet High School	Marta Diaz / Thira Khor		27.40	9.00	2.50	419.708	11	
14	Lewis High School	Jonathan Portillo / Saul Hernandez		22.20	40.00	2.50	1914.414	1	Efficiency 1
15	Lewis High School	Miguel Marmolejo / Layne Ramirez		18.40	24.00	2.50	1440.217	2	Efficiency 2

Coordinated by : **Structural Engineering Division**

School Ranking: 1. Lewis High School
2. Downtown Magnet High School
3. King Drew High School

American Society of Civil Engineers

Los Angeles County Infrastructure Report Card Updates

by Andy G. Duong, PE, MLAB President Elect

The 2009-2010 Los Angeles County Infrastructure Report Card is currently being drafted. We are looking forward to publishing this Report Card in the coming months.The complete version of the report will require Board approval before circulation.

This document has proven to be one of the most effective public relations materials for ASCE and the best way to communicate the very real infrastructure problems we face on a daily basis. Preliminary results are not surprising: there are low grades in nearly every category. These marks reveal that lack of funding for maintenance and new infrastructure is the primary catalyst to failing infrastructure. Grades range from a high of B- (Dams) to a low of D (Urban Run-off). Transit and Drinking Water grades have declined over the past 5 years. All other categories have not improved since the last LA County report card in 2005.

On behalf of the entire MLAB Board, thank you to all of the following chairpersonsand their colleagues who have contributed their time and effort to work on the 2009-2010 Los Angeles County Infrastructure Report Card:

Bridges	Niall Moynihan (Co-Chair) David Sharkey, P.E. (Co-Chair)
Dams	Keith Lilley, P.E. (Chair-person)
Drinking Water	David Pedersen, P.E. (Chair-person)
Ports	Carlo Luzzi (Co-Chair) Carlos C. Baldenegro, P.E. (Co-Chair)
Solid Waste	Bonnie Teaford, P.E. (Co-Chair) Michelle Leonard (Co-Chair)
Streets & Highways	Dean Lehman (Chair-person)
Transit	Joyce Rooney (Chair-person)
Waste Water System	Keith Lehto, P.E. (Chair-person)

Announcements

DISASTER TRAINING CLASS

Friday, June 25 in Ventura
Friday, July 16 in San Bernardino

If interested contact
Jack Rolston
818-345-9199
ascedisaster@earthlink.net

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MLAB Members that Serve on ASCE Region 9 National Committees

Committee Name	First Name	Last Name	Position
ASCE Board Committee			
ABET, Inc. (ABET)	Paul	Taylor	Member
CAP^3 BOK Educational Fulfillment Committee	Jean-Pierre	Bardet	Member
Charles Pankow Award Selection Committee	Benedict	Schwegler	Member
Charles Pankow Award Selection Committee	Robert	Tener	Chair
Committee on Professional Practice (CPP)	Shahnawaz	Ahmad	Member
Infrastructure and Research Policy Committee	Jean-Pierre	Bardet	Member
International Activities Committee (IAC)	Maria	Petrov	Corresp. Member
Past and Active Officers	Charles	Rendall	Vice President
Past and Active Officers	Irvan	Mendenhall	President
Past and Active Officers	Norman	Buehring	Vice President
Past and Active Officers	Paul	Taylor	Director
Presidents Emeritis Council (PEC)	Irvan	Mendenhall	Member
Coast, Oceans, Ports, and Rivers Institute			
Asset Management Task Committee	Ronald	Heffron	Member
Awards & Communications	Ronald	Heffron	Member
Coastal and River Modeling	Weixia	Jin	Member
COPRI Congress Organizing Committee	Douglas	Sereno	Member
COPRI Congress Organizing Committee	Martin	Eskijian	Member
Council of Committee Chairs	Martin	Eskijian	Member
Education	Martin	Eskijian	Chair
Marine Renewable Energy	Ronald	Heffron	Member
Marine Renewable Energy	Tonu	Mets	Member
Mooring Analysis	Martin	Eskijian	Secretary
Pavement Design Guidelines	David	Walsh	Member
Ports & Harbors	Douglas	Sereno	Member
Ports & Harbors	Martin	Eskijian	Member
Ports 2010 Conference Organizing Committee	Martin	Eskijian	Member
Seismic Design of Piers & Wharves Sta	Cheng	Lai	Member
Seismic Design of Piers & Wharves Sta	Eric	Nichol	Member
Seismic Design of Piers & Wharves Sta	Martin	Eskijian	Member
Seismic Design of Piers & Wharves Sta	Omar	Jaradat	Member
Seismic Design of Piers & Wharves Sta	Peter	Yin	Vice-Chair
Timber Protection	Ronald	Heffron	Member
Waterfront Asset Inspection Manual	Ronald	Heffron	Chair
Wetlands and Sediment Management	Weixia	Jin	Member
Committee on Geographic Units			
Committee on Geographic Units (CGU)	Don	Sepulveda	Member
Construction Institute			
Claims Avoidance and Resolution	George	Ossman	Member
Construction Research Council	Henry	Koffman	Member
Construction Research Council	John	Kuprenas	Member
Construction Research Council	Tang-Hung	Nguyen	Member
Council on Disaster Risk Management			
Editorial	Craig	Taylor	Associate Editor
Vulnerability and Risk	Craig	Taylor	Member

MLAB Members that Serve on ASCE Region 9 National Committees (cont'd)

Committee Name	First Name	Last Name	Position
Educational Activities			
ASCE Representative on ABET Board of Directors (BOD)	Paul	Taylor	Member
Committee on Curricula & Accreditation (CC&A)	Paul	Taylor	Corresp. Member
Department Heads Council Executive Committee (DHCEC)	Jean-Pierre	Bardet	Member
Engineering Mechanics Institute			
Board of Governors	James	Beck	Member
Board of Governors	Roger	Ghanem	Member
Board of Governors	Wilfred	Iwan	President
Bylaws Committee	Wilfred	Iwan	Member
Dynamics Committee	Erik	Johnson	Member
Dynamics Committee	Ertugrul	Taciroglu	Member
Dynamics Committee	James	Beck	Member
Dynamics Committee	Jian	Zhang	Member
Dynamics Committee	Maria	Todorovska	Member
Dynamics Committee	Swaminathan	Krishnan	Member
Dynamics Committee	Wilfred	Iwan	Member
Experimental Analysis & Instrumentation Committee	Amy	Rechenmacher	Past-Chair
Membership Committee	James	Beck	Chair
Modeling Inelasticity & Multiscale Bahavior Committee	Ertugrul	Taciroglu	Member
Modeling Inelasticity & Multiscale Bahavior Committee	Shadi-Mohd	Saadeh	Member
New Initiatives Committee	Roger	Ghanem	Chair
Nominations Committee	James	Beck	Member
Probabilistic Methods Committee	Roger	Ghanem	Member
Program Committee	Roger	Ghanem	Member
Publications Division	Jiun-Shyan	Chen	Assoc. Editor
Structural Health Monitoring & Control Committee	Erik	Johnson	Member
Structural Health Monitoring & Control Committee	Hae-Bum	Yun	Member
Structural Health Monitoring & Control Committee	Wilfred	Iwan	Member
Environmental and Water Resources Institute			
Border International Water Quality Standards Committee	Michael	Stenstrom	Member
Climate Change Committee	David	Silverman	Member
Computational Hydraulics Technical Committee	Ying-Keung	Poon	Member
Environmental Council Awards Committee	Reza	Iranpour	Member
Green Highways and Streets Literature and Innovation Subcomm	Ken	Susilo	Member
Green Roofs Task Committee	William	De Poto	Member
Groundwater Hydrology Committee	Antonella	Sciortino	Member
Groundwater Management Technical Committee	Antonella	Sciortino	Member
Groundwater Quality Committee	Crist	Khachikian	Secretary
Groundwater Quality Committee	Emmanuel C	Liban	Member
Groundwater Quality Committee	Mark	Russell	Member
Groundwater Symposia and Continuing Education Committee	Crist	Khachikian	Member
Low Impact Development (LID) Committee	William	De Poto	Member
Managed Aquifer Recharge Standards Committee	Bennington	Willardson	Chair
Oxygen Transfer Standards Committee	Michael	Stenstrom	Chair
Standards Development Council	Bennington	Willardson	Member
Standards Development Council	Michael	Stenstrom	Member
Standards Development Council Awards Committee	Michael	Stenstrom	Member
Well Hydraulics Task Committee	Dennis	Williams	Member

MLAB Members that Serve on ASCE Region 9 National Committees (cont'd)

Committee Name	First Name	Last Name	Position
Geotechnical Institute			
Design of Residential Structures on Expansive Soil Standards	David	Breiholz	Member
Earth Retaining Structures	Daniel	Pradel	Member
Earthquake Engineering and Soil Dynamics	Craig	Davis	Member
Earthquake Engineering and Soil Dynamics	Scott	Brandenberg	Member
Embankments, Dams, and Slopes	Daniel	Pradel	Member
Engineering Geology and Site Characterization	Jeffrey	Keaton	Member
Geo-Institute Technical Coordination Council	Jeffrey	Keaton	Member
Geo-Institute Technical Publications Committee	Jonathan	Stewart	Member
Geosynthetics	Horace	Moo-Young	Member
Geotechnics of Soil Erosion	Jeffrey	Keaton	Member
Journal of Geotechnical and Geoenvironmental Engineering Edi	Jonathan	Stewart	Member
Journal of Geotechnical and Geoenvironmental Engineering Edi	Jonathan	Stewart	Editor-in-Chief
Pavements	Shadi-Mohd	Saadeh	Member
Risk Assessment and Management	Amy	Rechenmacher	Member
Risk Assessment and Management	Jeffrey	Keaton	Member
Risk Assessment and Management	Jeffrey	Keaton	TCC Liaison
Rock Mechanics	Jeffrey	Keaton	TCC Liaison
Rock Mechanics	M Ronald	Yeung	Member
Soil Properties and Modeling	Amy	Rechenmacher	Member
Soil Properties and Modeling	Jeffrey	Keaton	TCC Liaison
Pipeline Division			
Pipeline Location and Installation	Henry	Bardakjian	Member
Professional Activities			
Committee on Employment of Civil Engineers	Shahnawaz	Ahmad	CPP Contact Member
Committee on Professional Practice	Shahnawaz	Ahmad	Member
Committee on Volunteer Community Service	Diego	Cadena	Corresp. Member
Committee on Volunteer Community Service	Jalal	Vahabnezhad	Corresp. Member
Committee on Volunteer Community Service	Julian	Garcia	Member
Journal of Management in Engineering Editorial Board	George	Ossman	Member
Structural Engineering Institute			
Air-Supported Structures Standards	Michael	Dillon	Member
Blast Protection of Buildings Standards	Juan Carlos	Esquivel	Member
Design Loads on Structures During Construction Standards	Jimmy	Allen	Member
Design of Steel Building Structures	Nabih	Youssef	Member
Design Reinforced Concrete Slabs (w/ ACI 421)	James	Lai	Member
Design Reinforced Concrete Slabs (w/ ACI 421)	Pinaki	Chakrabarti	Member
Emerging Analysis Methods in Earthquake Engineering	Jian	Zhang	Member
Emerging Analysis Methods in Earthquake Engineering	Methee	Chiewanichakorn	Member
Emerging Computing Technology	Arzhang	Alimoradi	Member
Fracture Mechanics of Concrete (W/ ACI 446)	Jiann-Wen	Ju	Member
Joint SEI -CASE Committee on BIM	Joseph	Ales	Vice-Chair
Joint SEI -CASE Committee on BIM	Marcello	Sgambelluri	Member
Joints and Connections In Monolithic Con St (w/ ACI 352)	John	Wallace	Member
Methods of Analysis	Methee	Chiewanichakorn	Member
Minimum Design Loads For Buildings and Other Structures Standards	Mark	Hershberg	Member
Optimal Structural Design	Arzhang	Alimoradi	Secretary
Performance-Based Design For Buildings	Jian	Zhang	Secretary
Precast Concrete Structures (w/ ACI 550)	Joseph	Sanders	Member

MLAB Members that Serve on ASCE Region 9 National Committees (cont'd)

Committee Name	First Name	Last Name	Position
Progressive Collapse Standards and Guidance	Jesse	Karns	Member
Public Relations Committee	David	Cocke	Chair
Public Relations Committee	Particia	Harburg-Petrich	Member
Public Relations Committee	Ronald	Nelson	Member
Reinforced Concrete Columns (w/ ACI 441)	James	Lai	Member
Reinforced Concrete Columns (w/ ACI 441)	Omar	Jaradat	Member
Reinforced Concrete Columns (w/ ACI 441)	Yan	Xiao	Member
SEI Publications Committee	Ertugrul	Taciroglu	Assoc. Director
Seismic Effects	Arzhang	Alimoradi	Member
Seismic Effects	Ertugrul	Taciroglu	Member
Seismic Effects	Methee	Chiewanichakorn	Member
Seismic Isolation Systems Standards	Saif	Hussain	Member
Seismic Rehabilitation of Existing Buildings Standards	Abdulreza	Sadjadi	Member
Seismic Rehabilitation of Existing Buildings Standards	Daniel	Pradel	Member
Seismic Rehabilitation of Existing Buildings Standards	David	Breiholz	Member
Special Structures	Bruce	Danziger	Member
Special Structures	Michael	Ishler	Member
Sustainability Committee	Raquel	Deblauw	Member
Tensioned Fabric Structures Standards	Michael	Ishler	Member
Tensioned Fabric Structures Task Committee	Michael	Ishler	Vice-Chair
Technical Activities - Aerospace Division			
Advanced Materials and Structures	Firdaus	Udwadia	Member
Dynamics and Controls	Firdaus	Udwadia	Member
Editorial Board	Firdaus	Udwadia	Journal Editor & Chair
Editorial Board	Wilfred	Iwan	Member
Technical Council on Computer and Information Technology			
Database and Information Management	John	Kuprenas	Member
Technical Council on Forensic Engineering			
Forensic Practices	Behnam	Arya	Member
Practices to Reduce Failures	Peter	Maranian	Member
Technical Council on Lifeline Earthquake Engineering			
Electrical Power and Communications Lifelines	Dennis	Ostrom	Member
Gas and Liquid Fuel Lifelines	Ronald	Eguchi	Member
Gas and Liquid Fuel Lifelines	Scott	Davis	Member
Ports Lifelines	Cheng	Lai	Member
Ports Lifelines	Jaime	Santa Ana	Member
Ports Lifelines	Juan	Baez	Member
Ports Lifelines	Martin	Eskijian	Member
Ports Lifelines	Peter	Yin	Member
Seismic Risk	Craig	Davis	Member
Seismic Risk	Dennis	Ostrom	Member
Seismic Risk	Ronald	Eguchi	Member
Water and Wastewater Lifelines	Craig	Davis	Member
Water and Wastewater Lifelines	Craig	Taylor	Member
Water and Wastewater Lifelines	Desmond	Lew	Member
Water and Wastewater Lifelines	Ronald	Eguchi	Member

MLAB Members that Serve on ASCE Region 9 National Committees (cont'd)

Committee Name	First Name	Last Name	Position
Technical Region Board of Governors			
Technical Region Board of Governors	Wilfred	Iwan	Member
Transportation and Development Institute			
Airfield Pavement Committee	Katie	Chou	Member
Airfield Pavement Committee	Robert	Humer	Member
Aviation Planning and Operations Committee	Steven	Kau	Member
Highway Construction Committee	Desmond	Lew	Member

Engineering Funnies

To the optimist, the glass is half-full. To the pessimist, the glass is half-empty. To the engineer, the glass is twice as big as it needs to be.

What is the difference between mechanical, electrical and civil engineers? Mechanical engineers build weapons, electrical engineers build guidance systems and civil engineers build targets.

Three engineering students were debating what type of engineer God is because of the way he designed the human body. One said, "He is a mechanical engineer. Just look at all the joints." Another said, "No, he is an electrical engineer. The nervous system has many thousands of electrical connections." The last one said, "No, actually God has to be a civil engineer. Who else would run a toxic waste pipeline through a recreational area?"

This vehicle is now the new prototype to check roadway profile grade changes.

Obviuosly someone didn't check the updated construction schedule

When you're in a hole, stop digging.

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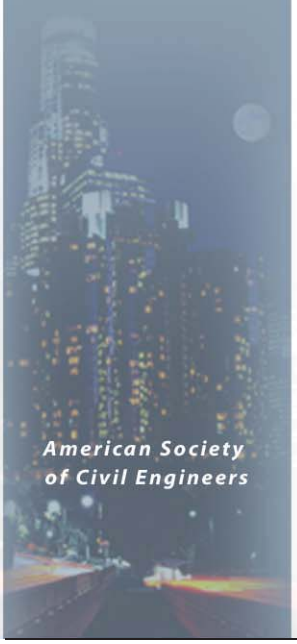

The Metropolitan Los Angeles Branch is looking for interested members to serve on the following Committees:

- ☐ Awards
- ☐ Membership
- ☐ Programs
- ☐ Student Activities
- ☐ Government Affairs
- ☐ Newsletter
- ☐ Public information
- ☐ Technical Groups
- ☐ Infrastructure Report Card

Name: _____

Phone: _____ **Fax:** _____

E-Mail: _____

If you are interested in serving on a Metropolitan Los Angeles Branch commitee, please check the appropriate box, fill in necessary information below, and return to:

Serge Haddad, P.E., President, MLAB

Work: 213-367-8774 **E-mail:** serge.haddad@gmail.com

Calendar of Upcoming Events

June 2010

8	MLAB Board Meeting
9	Legislative City Hall Drive-In
15	MLAB Government Affairs Committee Meeting

Newsletter Information

Please send articles or advertising information to the editor

Patrick Nicholson
AECOM
300 S. Grand Ave., 2nd Floor
Los Angeles, CA 90071
Patrick.Nicholson@AECOM.com
(Phone) 213-330-7289

JOIN OUR E-MAIL LIST!

Keep up to date with all the current events and announcements. Join our e-mail list. Please contact our membership chair for details.

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www.ascemlab.org

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Hydrology and Hydraulics Technical Group	**John E. Shamma, P.E.** 213-217-6409 jshamma@mwdh2o.com	
Waterways, Harbors and Coastal Engineering	**Carlos Baldenegro, P.E.** 310-732-3053 cbaldenegro@portla.org	
Water Resource Committee	**Dave Pedersen, P.E.** 626-300-3302 dpedersen@dpw.lacounty.gov	
Infrastructure Report Card	**Andy Duong, P.E.** 562-264-1100 andy.duong@hdrinc.com	

Classified

CAREER OPPORTUNITIES AT GEODESIGN

Senior Geotechnical Engineer and Project Engineer

GeoDesign, Inc., a dynamic and emerging geotechnical and environmental consulting firm, is currently seeking to fill open positions for a **Senior Geotechnical Engineer** and a **Project Engineer** in our Anaheim, CA office.

These positions will support a long-term, multi-million dollar, public works contract. Successful candidates must have exceptional technical capabilities, particularly in geotechnical earthquake engineering.

Prerequisites include:

Senior Geotechnical Engineer	Project Engineer
• Minimum 10 years geotechnical project management experience • Bachelor's and Master's degrees in Civil and/or Geotechnical Engineering • Professional Engineer license *(Geotechnical Engineer license a plus)*	• Minimum 3 years geotechnical project management experience • Bachelor's degree in Civil and/or Geotechnical Engineering *(Master's a plus)*

Please submit your resume and references to: hrdept-ana@geodesigninc.com.
References must be provided and will be validated.

For more information about GeoDesign and to see our full ad, please visit www.geodesigninc.com

GeoDesign, Inc. is an equal opportunity employer

Geotechnical | Environmental | Geological | Hydrogeological | Pavement Design GEODESIGN INC

ALAMEDA CORRIDOR-EAST CONSTRUCTION AUTHORITY
POSITION DESCRIPTION

POSITION DESCRIPTION: Senior Project Manager

SALARY RANGE: $120,973 – 174,325

POSITION DESCRIPTION: Reports to the CEO; manages design, construction management, other professional services and construction contracts necessary for the implementation of the Alameda Corridor-East program; works with other agency staff and through staff support consultants to meet project objective, budgets and schedules for assigned projects.

Primary duties include:

- Participates in consultant selection processes; develops scopes of services and assists informing and serving on evaluation committees;
- Manages professional services and construction contractors on assigned projects;
- Coordinates project during design and construction with local jurisdictions, Union Pacific Railroad representatives and other key participants and stakeholders;
- Establishes and maintains project schedules and budgets; prepares status reports, updates and presentations;
- Ensure that project design and construction meet established objectives and agreed upon requirements of the local jurisdictions and the UPRR;
- Manages project management support consultants performing various aspects of project management services (design reviews, contract administration, project control and reporting systems, ROW acquisition, utility relocation coordination, construction safety, etc.)
- Ensures that safety plan is enforced through monitoring reporting procedures and spot checks in the field.
- Safety liaison for emergency responses.

QUALIFICATIONS: Bachelor's degree in civil or transportation engineering or related fields; minimum of eight years of progressively responsible experience in transportation design and/or construction; experience in civil design/construction, railroad construction or traffic signalization is particularly relevant.

Demonstrated skills in project management and working with consultants, local jurisdiction and railroads is important.

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PE (Mech.) -- Aug 4-Oct 20, 2010
Structural I -- Sep 10-Oct 1, 2010
Structural II, CA SE CR/CEU
SE Seismic -- Apr 22-June 10, 2010
SE Concrete -- Jun 17-Aug 5, 2010
SE Steel -- Aug 19-Oct 7, 2010
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MENTORING PROGRAM

LA-SECTION
PROTÉGÉ/MENTOR APPLICATION

PLEASE ATTACH YOUR RÉSUMÉ TO THIS FORM
(OPTIONAL)

NAME

First _____ Middle _____
Last _____

Education Level: ❑ BS/BCE ❑ MS/MCE ❑ Ph.D.
❑ M.B.A. ❑ Other _____
Professional Registration: ❑ P.E. ❑ F.E. /E.I.T. ❑ Neither
LA-Section Branch _____

EMPLOYER

Company Name _____
Street _____
City _____ State _____ Zip _____
E-mail _____
Phone _____ Fax _____

INTEREST

❑ I want to be a mentor.
❑ I want to be a protégé.
❑ I'd like to be both a mentor and protégé.

AVAILABILITY

Please indicate your availability for mentoring.

❑ Weekday ❑ Weekend

When do you prefer to have mentoring sessions?

❑ During work hours ❑ During lunch
❑ After work

Please check the ways you would prefer to communicate with your mentor or protégé.

❑ Phone ❑ E-mail
❑ In person ❑ Instant Messaging

WORK EXPERIENCE / TECHNICAL INTEREST

Technical Areas	**Mentors and Protégés,** *please check the technical area(s) in which you have experience.*	**Mentors,** *please check the technical area(s) in which feel comfortable mentoring.*	**Protégés,** *please check the technical area(s) that you wish to develop.*
Architectural Engineering	❑	❑	❑
Coasts, Oceans, Ports & Rivers	❑	❑	❑
Construction	❑	❑	❑
Environmental Engineering	❑	❑	❑
Water Resources	❑	❑	❑
Geotechnical Engineering & Geotechnology	❑	❑	❑
Structural Engineering	❑	❑	❑
Transportation Engineering	❑	❑	❑
Land Development	❑	❑	❑
Other Technical Area *(please specify):* _____	❑	❑	❑

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Mentoring Program Form (cont'd)

ORGANIZATION TYPE

	Mentors and Protégés, *please check the area(s) in which you have worked.*
Small Organization *(less than 50 employees)*	❑
Large Organization *(50 employees or greater)*	❑
Public Sector	❑
Private Sector	❑

PROFESSIONAL PRACTICE/ NON-TECHNICAL INTEREST

Mentors (M), *please check the area(s) in which you feel comfortable mentoring.* Protégés (P), *please check the area(s) that you wish to develop.*

M	P		M	P	
❑	❑	Adaptability	❑	❑	Listening
❑	❑	Business Planning / Entrepreneurship	❑	❑	Licensure / Certification
❑	❑	Career Planning	❑	❑	Media / PR
❑	❑	Communication Skills	❑	❑	Networking
❑	❑	Community Involvement	❑	❑	Project Management
❑	❑	Conflict Resolution	❑	❑	Political Involvement
❑	❑	Contract Negotiations	❑	❑	QA / QC
❑	❑	Customer Service / Client Interaction	❑	❑	ASCE Leadership Opportunities
❑	❑	Disaster Preparedness	❑	❑	Sales / Marketing
❑	❑	Dispute Resolution	❑	❑	Strategic Planning
❑	❑	Diversity	❑	❑	Stress Management
❑	❑	Ethics	❑	❑	Supervisory Skills
❑	❑	Leadership	❑	❑	Time Management
			❑	❑	Work-Life Balance

Please list any other topic areas, technical or non-technical, that you would like to mentor on/be mentored in?

_____

_____

_____

_____

_____

_____

Please check the areas in which you would like your mentor/protégé to provide insight.

❑ Interact with corporate representatives
❑ Balancing thought and action to respond appropriately *(i.e. "Thinking before you speak")*
❑ Coping with unforeseen events, disappointments and challenges
❑ Recognizing difference between important and minor issues
❑ Moving beyond comfort zone to take risks that lead to personal growth
❑ Balancing technical proficiency and interpersonal skills
❑ Understanding and handling job functions that can affect job performance
❑ Recognizing how your behaviors affect others and how to modify accordingly
❑ Gaining increased confidence in managing and leading others
❑ Learning how to accept and give feedback and coaching
❑ Thinking outside the box *(i.e. beyond short-term issues to see long-term)*
❑ Perspective from a younger generation

MENTORING BACKGROUND QUESTIONS

Have you been a mentor or protégé (informally or in a program) before?
❑ Yes ❑ No
If yes, please describe your experience.

_____

_____

_____

_____

_____

_____

Optional:
Do you have a preference for the gender of your mentor/protégé?
❑ Yes ❑ No

If yes, please check your preference.
❑ M ❑ F

Please list any other preferences you would like to be considered when your tentative match is made:

_____

_____

_____

_____

_____

_____

By completing this interest form, you agree to the following terms, conditions and standards of the mentoring program: ASCE encourages ar open exchange of information and ideas between members participating in the mentor program, however, ASCE cannot and does not review such communications and does not guaranty or endorse the accuracy of any information exchanged. You agree that you will participate in the mentor program in a manner consistent with any and all applicable laws and regulations and the ASCE Code of Ethics. You further agree to completely release ASCE, and its affiliates, organizational entities, directors, officers, members, employees and agents from any and all claims, judgments, demands, liabilities, and actions that you may have arising out of, or in any way relating to, your participation in the mentor program.

❑ I agree with the above terms, conditions and standards of the mentoring program.

_____
Signature Date

PLEASE EMAIL OR FAX COMPLETED FORM TO:

Your Contact Person at Your Branch

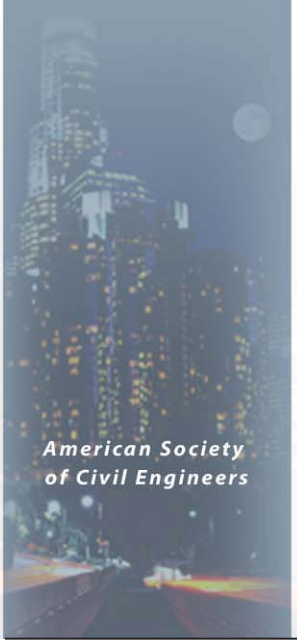
ASCE

Metropolitan

Los Angeles

Branch

MLAB



Membership Information

National Membership Rates (Please verify rates and grades at http://www.asce.org/membership).

Student:	Free
Associate Member:	$50 year of baccalaureate degree and first year after, then incremental increase to $180 over five years
Member:	$180 annually
Affiliate Member:	$180 annually
Fellow:	$215 annually
Section (Branch) Dues:	$45/year

(1) National ASCE Student Membership is FREE! Contact your Student Chapter leaders or Faculty Advisor for additional information.

(2) Online membership renewal available, go to www.asce.org/renewal. For non-members, dues for MLAB Newsletter only $45/year.

Please contact the Membership Chair for application forms, change of address and additional information. To update your information online, go to www.asce.org/myprofile.

For questions on national ASCE membership contact member@asce.org.

Advertising Rates

There are over 4,000 members of MLAB that read the bimonthly newsletter. Placing a business card in the news letter is a great way to support the ASCE local branch. Also placing your advertisement or job posting in the newsletter is the best way to reach the crème of the engineering crop. All advertising fees fund Branch Student Scholarships.

Business Card:

$175 for a full year (6 issues)

- Please send all business card ads to the News letter Editor.
- Scanned business cards may be e-mailed to the editor at: patrick.nicholson@AECOcom
- Cards are due by the 15th of each month.
- Please send all checks (made payable to "ASCE Metropolitan Los Angeles Branch") to the Branch Newsletter Editor.

Ads/Job Listing Per Month:

Please forward job listing to the editor through e-mail to: patrick.nicholson@AECOM.com

1/8 Page:$125
1/4 Page:$200
1/2 Page: $300
1 Page: $400