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Supporting Organizations

Aerocon Engineering

Allcity Inspection Service, Inc.

American Indian Council

Architectural Staffing, Inc.
www.architecturalstaffing.com

A T E E M Electrical
www.ateem.com

Banziger Systems, Inc.
www.banzigersystems.com

Bert L. Howe & Associates, Inc.
www.berthowe.com

Bioresource Consultants
www.biorc.com

Canby Architecture
www.canbyarc.com

Cedars Engineering Co.
www.cedarengineering.com

Century Diversified, Inc.

Chec Management Systems
www.cmsicorp.com

Clearwater Group, Inc.
www.clearwatergroup.com

Condor Earth Technologies
www.condorearth.com

CRC Consulting Group, Inc.
www.crcconsult.com

Crop Care Associates, Inc.
www.croccareassociates.com

Dennis Dodds & Associates

Devine Tarbell & Associates
www.devinetarbell.com

DJA Inspection Services, Inc.
www.djainspection.com

DPB Engineers, Inc.
www.dpbengineers.com

ECT Environmental

Ellis Environmental Management, Inc.
www.ellisenvironmental.com

Enplan
www.enplan.com

Entech Consulting
www.entechnorthwest.com

Fidell Associates, Inc.

Foothill Associates
www.foothill.com

Garcia & Associates
www.garciaandassociates.com

Geopacifica, Inc.

Gettler-Ryan, Inc.

Hatch Brothers, Inc.
www.hatchdesign.com

Heschong Mahone Group
www.h-m-g.com

Impact Sciences, Inc.
www.impactsciences.com

IOA Insurance Service
www.ioapro.com

James D. Black Associates
www.jdba-arch.com

James R. Peters Construction
Management & Inspection

James Renfro, PE

JLS Engineering

Johnson-Frank & Associates, Inc.
www.johnson-frank.com

JRN Civil Engineers

Kevcamp, Inc.
www.kevcamp.com

Lail Design Group, Inc.
www.laildesign.com

Land Design Consultants, Inc.
www.ldcla.com

Langdon-Wilson Architecture Planning
www.langdonwilson.com

Lawrence & Associates
www.lwrnc.com

Live Oak Associates
www.loainc.com

M Ship Co., LLC
www.mshipco.com

MCA Architects
www.mcaarchitects.com

Multiple Use Managers

Natural Resources Management
www.nrmcorp.com

New World Technology
www.newworld.org

Omni Design Group, Inc.
www.omnidesigngroup.com

Pacific Southwest Biological Services
www.psbbs.com

Project and Cost Management
www.pcmla.com

Patrick Buscovich & Associates

REC Consultants

Redwood Computer
www.redwoodcomputer.com

Ricondo & Associates

R.J. Roberts, Inc.
www.robertscompanies.net

RL Wells & Associates, Inc.
www.rlwellsinc.com

Rossell Surveying & Mapping
www.rossellsurveying.com

RWR Art-Architecture

SCEC
www.airexperts.com

Smithco Surveying

Smithtech USA, Inc.

Space Exploration Technologies
Corporation
www.spacex.com

State Compensation Insurance Fund
www.scif.com

The Auger Group
www.clearwatergroup.com

The Pacific Forest Trust
www.pacificforest.org

The Source Group
www.thesourcegroup.net

Thomas Reid Associates
www.traenviro.com

Thomas R. Payne & Associates
www.northcoast.com/~trpa

Total Forestry, Inc.
www.totalforestry.net

Total Validation Services, Inc.
www.tvvinc.com

Van Meter Williams Pollack, LLP
www.vmwp.com

Van Pelt Construction Services
www.vpcsonline.com

Von Geldern Engineer

WHM, Inc.
www.whminc.com

wHY Architecture
www.why-architecture.com

CSPE would like to welcome its newest
Supporting Organization members:

- American Indian Council
- DPB Engineers, Inc.
- James Renfro, PE
- JLS Engineering
- Ricondo and Associates
- Von Geldern Engineer

Visit our Supporting Organization page
online at <http://www.cspe.com/FunctionalAreas/MemSvc/ms04.htm>

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Filling the Bucket

By Frank Fong, P.E.

I would like to share a story I recently heard on the radio. Dr. Michael Josephson gave this message as one of his daily broadcast.

A teacher asked a student to fill a bucket with big rocks. The teacher then asked the student "Is the bucket full?" The student replied, "Yes, I think so."

The teacher then asked the student to pour pebbles to the bucket. The teacher again asked the student "Is the bucket full?" The student replied, "Yes, I think so."

The teacher then asked the student to pour sand to the bucket. The teacher again asked the student "Is the bucket full?" The student replied, "Yes, I think so."

Finally the teacher asked the student to pour water into the bucket. The student then replied, "The bucket is now full."

The lesson of this story is that we will find time to do things when we set our priorities from largest to smallest – big rocks, pebbles, sand, water. The key is properly prioritizing our tasks by their strength or impact in helping us to reach our goals.

One of the highest priorities that we can have as professionals is to volunteer and contribute to our professional organizations, our local communities, and our social / religious groups. Giving back for the common good is the distinguishing mark of a true professional.

If you have given back in some generous way to your profession and/or community, please consider applying for the title of CSPE Distinguished Member. You are worthy of recognition for your selfless service. For further information, go to <http://www.cspe.com/FunctionalAreas/ImageMem/distmem/distinguishedmember.htm>.

NSPE/CSPE Social Networks

If you haven't already, check out NSPE on....

Twitter:
<http://twitter.com/NSPE>

Facebook:
<http://www.facebook.com/group.php?gid=2223613063>

Facebook Fan Page:
<http://www.facebook.com/pages/National-Society-of-Professional-Engineers-NSPE/114714470495>

Join CSPE on Facebook
Go to www.facebook.com and create an account if you don't already have one. Then, join the group: CSPE California Society of Professional Engineers. It's that simple!

NSPE Task Force Reports Recommendations on "State Only" Membership

Shortly after NSPE was founded the issue of State Only membership has been discussed. At issue is whether or not members should be required to join both the State and National level of membership. This issue has again come to the forefront in the last few years as states have begun to ignore the NSPE bylaws and started to allow State Only members.

The NSPE Task Force included a wide variety of backgrounds, opinions and viewpoints including members from large, medium and small states as well as member who held view points on each end of the question.

The Task Force is reporting the following recommendations:

- State Only membership should be an option that State Societies may select to utilize.
- No State is required to offer State Only membership; No change from the current status is necessary in State that so chose.
- States that chose to permit a State-Only option may do so subject to a threshold not to exceed 25% of that State-Society's total membership.
- National Only membership shall be permitted in those States that offer State Only membership and only in those states.
- State Only members shall be referred to as "Associate Members" unless an alternative name is agreed to by the State and National Society.
- National Only members shall be referred to as "At Large Members" unless NSPE selects an alternate name.
- Periodic reviews of State Only and National Only membership programs and other related topics shall be performed on a regularly scheduled basis at the commencement of a State Only program and not less frequently than on meeting in 3 years.

These recommendations will come before the full NSPE Board at their July meeting. CSPE Executive Committee Members will be present and voting at that meeting.

CSPE has not taken a formal position on this proposal yet, however, we will need to give our voting representatives some direction on the proposal. In the event the proposal is approved at the National level it will then need to be approved and adopted at the State level.

To offer an opinion on this matter we urge you to join our Facebook group and join in the dialogue. If you are not currently a CSPE Facebook member join today, please. We are waiting to hear what you have to say. Weigh in on this issue at <http://www.surveymonkey.com/s/R9658CL>.

NSPE Mentor of the Year Award Nominations Now Being Accepted

The NSPE Mentor of the Year Award is given annually to the one member of NSPE who best exemplifies the ideal image of a mentor. The award may be given to an individual who has established a record of consistent outreach to individuals in the engineering field, including engineering professionals and students, over a number of years. This award can also be received by an individual who has contributed to the support or development of mentoring programs within their company or in the engineering community.

The ideal candidate should have a record of achievement in offering guidance to and fostering development among engineering professionals. Individuals who have received *Honorable Mention Awards* in previous years may be nominated again.

BASIC CRITERIA

- Candidate should be a licensed professional engineer or engineering intern in good standing, and must be an NSPE member.
- Candidate's professional integrity shall be beyond question.
- Candidate's work history and mentoring commitments should be focused in the field of engineering.

PROCEDURE:

- An NSPE affiliated chapter, state society or state board of directors may nominate one candidate per year.
- Complete and submit the nomination materials/documentation for those areas appropriate for the candidates.
- The NSPE Mentoring Task Force will review each application and select one candidate who best meets the award criteria.
- The award will be prepared and presented to the winner at a venue selected by the State Society.
- The recipient of the award will be featured in *PE Magazine*.

If you would like to nominate someone for the NSPE Mentor of the Year Award, please contact Marti Kramer at m.kramer@cspe.com for additional information no later than March 25th.

Call For Book Editors/ Call For Books

Apple Academics Press is seeking book editors in the engineering field to compile academic reference books of selected articles on engineering topics, such as • Aerospace engineering • Chemical engineering • Agricultural and biological engineering • Food processing engineering • Sanitary and wastewater engineering • Environmental science technology • Green/clean technology and processes • Civil engineering • Fuels and alternative energy • Mining engineering • Electrical engineering • Materials engineering • Nanotechnology • Molecular engineering • Computer engineering Or propose a relevant topic in your expertise within the engineering field. These academic reference books will consist of 10–15 articles/chapters (to be compiled or solicited by the book editor) along with an introduction by the editor. Compensation includes a set fee plus several complimentary copies of the book and possible royalties. Apple Academics is also seeking undergraduate textbooks and introductory type books in the fields of engineering. For additional information and to submit your proposal along your professional vita or resume, please contact Sandra Jones Sickels at Sandy@AppleAcademicPress.com / 607-644-5360 Apple Academics Press Inc. 3333 Mistwell Crescent, Oakville, ON L6L 0A2 Canada www.AppleAcademicPress.com

Are You Interested in Providing Input to the Workers Compensation Insurance Rating Bureau?

We have been asked to help the Bureau with a quick question. All answers will be provided only to CSPE and sent to the Bureau in the form of a table that will not be designated by any company name.

If you can help, please visit <http://www.surveymonkey.com/s/R2QWTX5> and provide your input.

Safety Programs and Employer Compliance Materials

In an effort to assist our group insurance program participants with safety programs we encourage you to frequently visit the following link.

<http://www.scif.com/employers/Index.html>.

Some of the many benefits you will enjoy by being part of the CSPE State Fund Workers Compensation Program are

- updated forms to keep you in compliance with new legislative mandates
- local employee safety seminars
- employee safety manuals (free for downloading from the State Fund site)

A New Look at Limitations of Liability By Reno Caldwell & Audrey Camp

When it comes to contracts, the practice of limiting a design firm's liability to its fee or a static amount (e.g. \$50,000), whichever is greater, has been in a practical risk management tool for over two decades. Yet, not all design professionals have embraced the concept. However, this may be the time for those firms that have not made the commitment to incorporating limitation of liability language into their agreements to reconsider their reasoning.

The three reasons that most firms provide for not including the language are: (1) owners always remove the language; (2) the design professional should accept full responsibility for the damage caused by their negligent performance, and/or (3) the only beneficiaries of the language are those horrible insurance companies!

Let us consider each of these reasons.

Owners always remove the language? Not true! Individual owners and/or the owners on smaller projects may well consider the logic behind limiting the design professional's liability. Although it is not likely that the "mega developer," city or school district will accept the language, let's not forget that, in order to survive in today's economic climate, many firms have expanded their client/project types. (How many new client/project types has your firm accepted in the past year to help keep the lights on?) Under these economic conditions, considering the possibility of lowered fees and the new owner/project types, limitation of liability language should not be merely considered, but strongly encouraged.

Many design professionals are not comfortable with the idea of accepting only limited financial responsibility for the consequence of their negligent professional services. This is a valid personal decision for each individual. However, do you have clients that are requiring you to accept a lower fee on current projects under threat of termination or non-payment? If so, it is important to make certain that the new, lower fee remains to be equitable to the amount of liability you've assumed on the project in question. It's probably not! Changing payment provisions on current projects is an excellent opportunity to add limitation of liability language to the relevant agreement.

Consider the following **true claim** scenario:

Your firm is hired by a new client for a fee of \$150,000. The project begins, and soon the accounts receivables owed to your firm by the new client hit \$75,000, but you have yet to receive a single payment. You stop work and the project is delayed. The client tries to negotiate a lower fee, but you decline, choosing instead to initiate fee dispute litigation/arbitration. The client then counter-sues (and they *always* do) for delay-related damages totaling \$300,000. An arbitrator awards the client \$150,000! Your fee has been lost, your insurance company pays the client \$150,000, and you continue to be exposed to any future claims resulting from the project! The worst part is that the \$150,000 indemnity payment (plus attorneys' fees) will be reflected on your loss report and will negatively affect your renewal premiums for the next five years.

If, rather than refusing to accept a fee renegotiation mid-project, you had leveraged the client's desire to keep the project moving forward by agreeing to the reduced fee in exchange for the insertion of limitation of liability language, the delay claim may have been avoided. At the same time, you would have emerged better protected for the remainder of the project.

Insurance companies do benefit from limitation of liability language, but so do you. Under these economic conditions, accepting the lower fee in exchange for limitation of liability language is likely the best way to manage your risk.

For more information on this case and how best to protect the financial interests of your firm, please contact Reno Caldwell of IOA Insurance Services. IOA is the exclusive broker of CSPE's endorsed professional liability insurance program.

Reno Caldwell
Reno.caldwell@ioausa.com
(925) 660-3513 Direct Line

Legislative Update on SB 275

As you know at the beginning of this legislative year SB 275, the bill that would have recognized the title acts as practice acts, was heard in the Senate B&P committee and opposed by PEGC and ACEC-CA.

The Chair of the B&P committee said that this summer she would be holding a meeting with the sponsors and supporters of SB 275 and PEGC to determine a compromise bill to get this issue settled. She admonished PEGC for their continued opposition with no tangible evidence of them offering amendments to the legislation.

An article appeared in the Sacramento Bee about the findings of the Legislative Analyst's Office (LAO) report of overstaffing at Cal Trans.

Part of the BPE&LS sunset recommendations from the legislature a few years back (2001-2002) was for BPE&LS to study and recommend changes to the PE act regarding the Title Acts. SB 275 (had it passed) would have in part taken care of that issue.

This LAO report on Cal Trans in addition to BPE&LS being up for sunset review by July 1, 2011 and not having accomplished the task of dealing with the Title Acts as required by the legislature in their previous sunset reviews gives greater importance to the Chair's intention of reforming the law. We will keep you updated as we hear more of any events leading up to this summer's meetings.

Diane Spencer, our CSPE VP of Governmental Affairs, attended the recent CLCPE meeting and is keeping tabs on this. You can contact Diane Spencer about this issue at govtaffairs@cspe.com.

Biodiesel Facility Review Per the RFS2

According to the new RFS2 legislation all biodiesel production facilities are required to have a third party engineering review conducted by a P.E. on their facilities before July 1st 2010.

Below are the requirements of the Professional Engineer who does the inspection and report. Also included is the work that has been done by our staff at Sun Power to make the job of the reviewing professional as easy as possible.

If you are interested in this work or know of a qualified professional who would like to perform this work please pass this information on to that individual. We are looking to receive and review quotes by March 31st 2010.

Contact: Robert Ruppel, Project Engineer
Sun Power Biodiesel, 1690 Elm Street, Cumberland, WI 54829
P: 715.822.2415 x131 F: 715.822.4180

Safety Programs and Employer Compliance Materials

In an effort to assist our group insurance program participants with safety programs we encourage you to frequently visit the following link.

<http://www.scif.com/employers/Index.html>.

Some of the many benefits you will enjoy by being part of the CSPE State Fund Workers Compensation Program are

- updated forms to keep you in compliance with new legislative mandates
- local employee safety seminars
- employee safety manuals (free for downloading from the State Fund site)

Workers Comp Insurance Discounts for Members Only

As a member of CSPE you and your firm have the opportunity to save significantly on your workers compensation insurance. This is a benefit that can't be beat going it on your own. If you are interested in saving some of your hard earned dollars, please check out www.cspe.com/FunctionalAreas/MemSvcs/statefund.htm on the CSPE website.

This program is FOR MEMBERS ONLY and most of the participants save more than their annual dues by receiving the group discount.



Speaker Perez Sworn In

Assembly Member John Perez was sworn in as the new speaker of the California Assembly. Perez, 40, a Democrat, represents the 46th Assembly District, which is in Los Angeles. He replaces Assemblywoman Karen Bass, another Democrat from Los Angeles who is running for Congress and will be termed out at the end of the year. Perez, who becomes the 68th Assembly speaker, is a freshman and will not be termed out of the Assembly until 2014. He also is the first openly gay speaker. He was selected in December by his Democratic colleagues to serve in the post.

Prior to that, the presumed front-runner was Kevin de Leon, another Los Angeles Democrat. After days of wrangling and press leaks, Perez was chosen. He will lead the 80 member Assembly, 50 of whom are Democrats. Perez earned a political science degree at UC Berkeley, and then became a top official with several unions and the California Labor Federation. This is his first time holding elective office.

Chief Justice Reports on the State of the Judiciary

Chief Justice Ronald M. George reported on the state of the judiciary in an address to a joint session of the Legislature. The chief justice, who has been serving for 15 years, described how the state's economic downturn and fiscal crisis have affected the courts, for example, the fact courts were closed one day a month during this last year. George stated that should not happen in the future. He reported on cost – cutting measures, including a pledge to reduce his own salary, a voluntary salary reduction by judges, a hiring freeze in the Administrative Office of the Courts, and staff salary freezes. He also mentioned that the courts' case management system is outdated. The heart of his message is best explained by his closing paragraph: "One simple truth prevails. Courts are not a luxury to be funded in good times and ignored in bad times. Justice cannot be available only when it is convenient to pay for it."

Bill Provides Civil Liability Protection for Therapists Who Do Peer Review

CJAC supports AB 1730 (Emmerson), a bill that will provide civil immunity to marriage and family therapists who engage in the peer review process. The peer review process is one way that medical professionals self-police their profession. Educated professionals in a certain area of specialty meet when the conduct of one professional justifies consideration of disciplinary action or suspension of a license to practice. Other health professionals who participate in the peer review process already receive civil liability protection for doing so, this bill merely adds therapists to that list of health professionals. The bill is set for hearing next week in the Assembly Judiciary Committee.

Anti-Arbitration Bill Hearing Postponed Until Next Week

Assembly Bill 1680 (Saldaña, D-San Diego) is now set for hearing before the Assembly Judiciary Committee next week. It had been set for a hearing this week but the meeting was cancelled. The bill would prohibit the enforcement of an arbitration agreement for a civil lawsuit that is based on discriminatory behavior prohibited under the Ralph Civil Rights Act. In other words, it would prohibit enforcement of an arbitration agreement if someone is being sued for a hate crime. We fear that plaintiff's lawyers will start alleging hate crime violations in regular discrimination cases in order to pull the cases out of arbitration and into the courts. The use of predispute arbitration benefits California and is good public policy. CJAC has developed a coalition letter from organizations opposed to the bill and if your organization would like to be listed in opposition as well, please let me know via e-mail at kstone@cjac.org.

Banking Bill to Impose New Regulations and Allow Lawsuits to Halt Foreclosures

Senate Bill 1275, authored by Senator Leno (D-San Francisco) and Senate Pro Tem Steinberg (D-Sacramento), which CJAC opposes, is set for hearing April 7 before the Senate Banking, Finance and Insurance Committee. This bill would impose a host of detailed new requirements on lenders, creating new obligations for them to fulfill before they foreclose. Any violation, no matter how technical, is enforceable by a lawsuit to stop the foreclosure. Pushing nonjudicial foreclosures into court will only help lawyers and clog our already-overburdened courts. California's foreclosure process is already highly regulated. There is no need to insert lawyers and lawsuits into the process.

Accountability and Administrative Review Committee Holds Informational Hearing on Rescission Settlement Agreements

This week, the Assembly Committee on Accountability and Administrative Review held an informational hearing about the settlement agreements between the Department of Managed Health Care and the Department of Insurance and various health insurers regarding recent rescission settlement agreements. CJAC monitored the hearing because recent bills regarding rescission have included trial lawyer giveaways that would do more to help lawyers than to help patients. Last year's AB 2 and 2008's AB 1945 both included provisions to benefit lawyers rather than patients. Both bills passed, but were vetoed by the Governor.

Rescission is a way to void a contract that was made with a misrepresentation of important information. In the individual health plan arena, if an insurance company determines that an applicant for insurance lied or omitted information when applying for health insurance, the insurer can deny coverage. Usually these misrepresentations are discovered after the insured has accumulated substantial health care costs. Certain rescissions have resulted in individual lawsuits, and the practice of rescissions has led to fines by regulators against health insurance companies. Last year, the Department of Managed Health Care and five major health insurers reached agreements regarding rescission practices.

So far this legislative session, there is not a new bill similar to AB 2 and AB 1945. However, Assembly Member De La Torre (D-South Gate), who authored the previous bills and who is the chair of the Accountability and Administrative Review Committee, has a spot bill on rescission, AB 2345. A spot bill does not have specific language but is a placeholder bill so that language can be put in later.

Contact: Kim Stone kstone@cjac.org
1201 K Street, Suite 1850, Sacramento, CA 95814 - 916-443-4900 - Fax 916-443-4306

Chapter News

To find out more about local chapter events, please visit your chapter web page.



Golden Gate Chapter (01)- www.cspe.com/chapters/goldengate.htm

San Joaquin Valley Chapter (08) - www.cspe.com/chapters/sanjoaquin.htm

San Diego Chapter (13)- www.cspe.com/chapters/sandiego.htm

Monterey Bay Chapter (25)- www.cspe.com/chapters/monterey.htm

Southern Chapters Council (60)- www.cspe.com/chapters/scc.htm

Speakers Available!

Are you interested in speakers for your next chapter meeting? URS executives will share best practices for companies in navigating the unprecedented changes that currently face the industry. They will examine the importance of companies supporting customer relationships and helping clients to achieve business objectives, while dealing with budget shortfalls, risk management and talent management issues.

URS sees another equally industry challenge arising: Having a larger number of existing engineers obtain further certification. The future will require leaders who can take on assignments that will meet 21st century challenges. The executives issue a call to action for the PE industry to not only reach out to young people, but to also encourage its members to continue their own professional development.

The executives will discuss why corporations need to take a stronger leadership role in achieving sustainable development. As our cities continue to plan for growth, they must also plan to be sustainable. He will explain why sustainable growth is not just an environmental issue, but a business issue that corporate leaders must be engaged in.

Even as California faces unprecedented budget deficits, the state and municipalities have found ways to continue spending on critical infrastructure enhancements. URS will illustrate how this is being done in various municipalities. Executives can explain how URS is helping to execute these projects, while meeting all required reporting and compliance regulations.

Speakers

Tom Bishop

Vice President of Strategic Development
URS Corporation

As Vice President of Strategic Development for URS Corporation, Tom Bishop is the manager of URS' West and Construction Services, where he oversees projects and personnel related to engineering and consulting offerings in the western US, as well as the national program and construction management, materials testing, demolition, and construction.

Mr. Bishop concurrently holds the position of URS Corporation Vice President of Strategy, in which he is responsible for forecasting the company's long-range business environment; identifying options to respond to economic and competitive developments; plan strategic opportunities for growth; and coordinate potential acquisitions.

Previously he held the position of Director of Operations of the URS Construction Services Division.

Prior to joining URS in 1999, he was Director of Nuclear Reactor Safety and Projects for the US Nuclear Regulatory Commission, and held several engineering and management positions with the US Department of Defense.

Tom Bishop holds a bachelor of science degree in mechanical engineering from California State Polytechnic and a master of science degree in systems management from the University of Southern California.

Mr. Bishop currently sits on the boards of the Construction Management Association of American and the San Francisco Bay Area Economic Forum. He is also a member of the American Society for Quality; the American Nuclear Society; and the Society of American Military Engineers.

Dr. Gary Jandegian

President, Infrastructure and Environment
URS Corporation

URS Corporation, which has annual revenues of about \$4 billion, has been ranked by ENR as the largest engineering design firm in the United States for six consecutive years. Gary Jandegian is President of Infrastructure and Environment and is responsible for leading all domestic and international operations for the majority of the company's architectural, engineering and construction services.

Before joining URS in 1990, Dr. Jandegian spent 16 years with Ebasco Services Inc. providing engineering consulting and design services to the power sector.

Dr. Jandegian holds a J.D. in Law from Western State University, a doctorate in Environmental Engineering and Sciences from UCLA, and a Masters in Environmental Management from UCLA. He also holds a B.S. from the University of California, Riverside.

Thomas H. Zarges

President
Energy and Construction
URS Corporation

Tom Zarges is president of Energy and Construction for URS. Previously, Mr. Zarges served as senior executive vice president of operations for Washington Group International, a \$4 billion global engineering, construction, and management company acquired by URS Corporation in November 2007.

Mr. Zarges has nearly 40 years of experience in the global engineering and construction industry. His experience includes heavy civil construction, high-technology projects in the steel and process industries, industrial manufacturing and major nuclear- and fossil-power projects.

Mr. Zarges joined Washington Group International in 1991 and has served as president of multiple Washington Group business units including Power, Industrial/Manufacturing, Engineering/Construction and Industrial/Process.

In addition, Mr. Zarges served for 20 years with Washington Group International heritage company United Engineers & Constructors, where his positions included vice president of business development. Earlier, he served in supervisory and management roles in field construction, engineering and project management.

Mr. Zarges received a bachelor's degree in engineering from the Virginia Military Institute in Lexington, Virginia.

Please contact Amy Scarlino at 781-489-6124 with any questions, or to schedule a presentation.

Engineering Ethics Videos

From time to time, NSPE receives requests for suggestions on ethics videos, etc., that can be used by state societies and local chapters for educational programming at the state and local level.

Below is a list NSPE recently put together of six quality videos at the request of the NSPE Board of Ethical Review.

Although some of the videos are a bit old, the ethical principles involved in each are timeless and the videos can serve as valuable instructional material and also great food for discussion at state and chapter meetings.

"The Trueteel Affair" – 1983 (24 min.)

Fanlight Productions, c/o Icarus Films, 32 Court Street, Brooklyn, NY 11201
Toll-Free: (800) 876-1710 / Phone: (718) 488-8900 / Fax: (718) 488-8642
E-Mail: info@fanlight.com / Website: www.fanlight.com/catalog/subjects/ethics.php

Insight Media

2162 Broadway, P.O. Box 621, New York, NY 10024-0621
1-800-223-9910, Fax 212-799-5309 / www.insight-media.com

Based on an actual case, *The Trueteel Affair* video is aimed at triggering discussion on ethical responsibility in the workplace. It explores the dilemma of a young engineer whose loyalties to family, employer, and fellow workers come into conflict with his professional judgment [Insight Media]. Insight Media reports that *The Trueteel Affair* has generated positive feedback from buyers, with a low rate of returns. This video effectively depicts the consequences involved when an engineer chooses whether or not to "blow the whistle." The engineer in question is eventually disciplined by his professional society, after failing to act ethically and report the problem. Discussion topics may include how to deal with potential safety hazards when fixing them may cause bankruptcy for your company, or loss of your job. This video is a bit old, but it still contains very relevant issues to young engineers, especially those in construction related fields.

"Gilbane Gold: A Case Study in Engineering Ethics" - 1989 (23 min.)

National Institute for Engineering Ethics
Texas Tech University, Box 41023, Lubbock, TX 79409-1023
Phone: 806-742-3525 (3521) / Fax: 806-742-0444
www.niee.org or www.murdough.ttu.edu/pdq.cfm?pt=NIEE&doc=ProductsServices.htm

Gilbane Gold shows the dilemma of an engineer caught between doing what he feels is right, and remaining loyal to the company. When the engineer discovers that his company is polluting the environment despite compliance with regulations, he must convince his superiors that their deceptive water quality reporting policy isn't ethical. Eventually, he is forced to risk his career by making the deception public. This video also shows factors that motivate companies as they balance tradeoffs between safety and profits, and how cities make tradeoffs between tax revenues from companies and the strictness of pollution standards applied to those companies. This video is well acted and written, making it easy for students to identify with the engineer's crisis. A discussion guide is included.

"Testing Water...And Ethics." – 1998 (28 min.)

Institute for Professional Practice
13 Lanning Road
Verona, NJ 07044-2511
Phone: 1-888-477-2723 / Fax: 973-857-5952

Helping engineers to think in terms of design problems, *Testing Water...and Ethics*, shows that some ethical issues don't have completely satisfying solutions. This video examines the case of a young engineer who must decide whether or not to report test information in a complete manner, despite the fact that not all of the information was required. After initially seeing the problem as a clear case of responsibility for public safety, the engineer later finds that there are equally important ethical responsibilities to consider. The engineer adopts a design approach to this complex problem, but finds in the end that even a good engineering solution may necessitate tradeoffs that are somewhat unsatisfying. This video effectively encourages viewers to use their engineering design skills, and the applicable codes of ethics when dealing with ethical issues. A workbook is included. (An applied ethics course has been developed as an adjunct to this video. Please refer to: <http://w3.arizona.edu/~civil/ipp.html>.)

"Incident at Morales" (NIEE) – 2003 (36 min.)

National Institute for Engineering Ethics
Texas Tech University, Box 41023, Lubbock, TX 79409-1023
Phone: 806-742-3525 (3521) / Fax: 806-742-0444
www.niee.org or www.murdough.ttu.edu/pdq.cfm?pt=NIEE&doc=ProductsServices.htm

Incident at Morales involves a variety of ethical issues faced by a company that wants to quickly build a plant in order to develop a new chemical product to gain a competitive edge over the competition. After the plant goes into full operation, an unfortunate accident occurs, resulting in serious consequences.

"Ethicana" - 2009 - (42 min.)

American Society of Civil Engineers
<https://secure.asce.org/ASCEWebSite/BOOKSTORE/BookDescription.aspx?ProdId=15892>

Ethicana is the centerpiece of the Global Anti-Corruption Education and Training Initiative and is a dramatic film that's a powerful exercise in how to not only keep from falling prey to corruption in the global construction and engineering industries, but how to have the ethical courage to expose it. This drama portrays how to avoid falling prey to corruption, as well as how to have the moral courage to expose it. The film is a drama, but it does reflect an unfortunate reality. The program calls on participants to promote greater ethical decision-making in those industries.

"Henry's Daughter" – 2010 (30 min.)

National Institute for Engineering Ethics
Texas Tech University, Box 41023, Lubbock, TX 79409-1023
Phone: 806-742-3525 (3521) / Fax: 806-742-0444 / www.niee.org

Henry and his two daughters are involved in a joint Academia/Industry/DOT (Department of Transportation) smart highway design project called SANSHANDS. The goal of the project is to develop specifications for smart highways and car control systems—so we won't drive anymore. The eldest daughter, Laura, works at the DOT. She will be the technical project manager on the SANSHANDS project. She is responsible for compiling and recommending the technical specifications for the computer control system that will be used to guide R&D. The youngest daughter, Julie is an intern with OUTOCAR, a local start-up company recently founded by engineers from the state university in partnership with University's Business Incubator. As the project evolves both sisters begin to see the potential for the corrupting influence that industry money can have on both government and academia. It falls to Laura and her team to do the cost benefit analysis between the GUIDEME and OUTOCAR systems. There are pressures within the DOT and other state departments indicating that GUIDEME is the preferred choice. OUTOCAR raises allegations that there was ethical misconduct and possible criminal violations during the project. Henry, Laura and Julie are all called to testify at a hearing conducted by the state senate ethics commission.

CSPE & The California Association of Safety Services Present *A Partnership For Safety Annual Conference*

April 8-9, 2010

Holiday Inn Sacramento

North East

5321 Date Avenue, Sacramento, CA 95841

916-338-5800

FREE For CSPE Members! RSVP to m.kramer@cspe.com today!

Agenda

Thursday, April 8th

8:00 AM -Registration, Continental Breakfast & Networking

9:00 AM -Introductions & Program

9:15 AM -10:15 AM - Cal/OSHA Consultation Program Update

Victoria Heza of Cal/OSHA will discuss services available to employers, a step by step chronology of an on-site consultation, tips on what constitutes an effective Injury and Illness Prevention Program and a discussion of recognition programs offered by the Cal/OSHA Consultation Service.

10:15 AM -10:30 AM - Break

10:30 AM -11:30 AM - Cal/OSHA Enforcement

Dick Monod de Froideville of Cal/OSHA will discuss the mind-set, protocols, and equipment needed for an Accident Investigation with special emphasis on regulatory compliance vs. organizational preparedness and controls.

11:45 AM –1:15 PM -Safety Center Awards Luncheon

1:30 PM - Breakouts

1:30 PM - 3:30 PM - Worker Occupational Safety & Health Training for Janitors & Construction Clean-Up

This program will help identify ways to prevent injuries, engage workers in your safety program, meet Cal/OSHA requirements and provide short interactive safety training activities tailored to janitorial and construction clean-up companies.

1:30 PM - 2:30 PM - Effective Safety Training

David Harrington with the Occupational Health Branch of the CA Department of Public Health will show participants what an effective safety training program looks like. Participants will receive a free DVD training video about lead and ladder safety.

2:30 PM—3:30 PM - IIPP 101

David Marsolais, General Manager of MarComm Consulting, specializing in Cal/OSHA compliance for the last 18 years, wants you to know that having an IIPP is the law. A violation of this standard is a common reason for Cal/OSHA to issue fines and citations. Mr. Marsolais will discuss how to comply with the law and put your IIPP fears to rest.

3:30 PM - 3:45 PM - Break

3:45 PM - 4:45 PM - Personal Safety in the Workplace

Bruce Anderson, Safety Center Inc., presents this interactive, high-energy course specifically designed to empower participants with the necessary skills and techniques to help keep their employees and themselves safe, including how to identify potentially unsafe people and situations and how to plan for the unexpected.

5:00 PM - Vendor Fair, Cocktail Party & Networking

Friday, April 9th

8:00 AM - 8:45 AM - Continental Breakfast & Networking

9:00 AM -10:15 AM - Defensive Driving Awareness

Jerry Bach, Safety Center Inc., will discuss driver awareness covering the major factors involved with driving, what is defensive driving, pet peeves we all have, and risks and hazards. Learn how you can be a good role model.

10:15 AM -10:30 AM - Break

10:30 AM -11:45 AM - Disaster Preparedness

Petra Martinez of the City of Sacramento Office of Emergency Services wants everyone to be prepared when a disaster strikes. How, or if, each of us survives a disaster is directly related to how prepared we are before the disaster strikes. Ms. Martinez will help you develop an emergency plan, so you, your family and your employees will be prepared for all types of emergencies.

11:45 AM - Wrap Up

Speakers

Victoria Heza

Program Manager, Cal/OSHA Consultation Services

In 1981 Ms. Heza began her career in occupational safety and health as an Industrial Hygienist with the United Paperworkers International Union. In 1986, she joined the Division of Occupational Safety and Health in San Diego. She has spearheaded outreach and enforcement programs targeting the substantial non-English speaking work force in California, particularly in the residential construction and agricultural industries. In 2009, Ms. Heza accepted the position of Program Manager of the Cal/OSHA Consultation Service within the Division of Occupational Safety and Health.

Dick Monod de Froideville

Cal/OSHA Enforcement

Mr. Monod has 28 years with the California Division of Cal/OSHA. He joined the Division Enforcement Unit in 1980. During Division disengagement in the private sector enforcement, he moved to the Consultation Unit from 1987-1989. In 1990 he rejoined private/public sector enforcement.

David Harrington

Project Coordinator, Occupational Health Branch, California Department of Health Services

In addition to being Project Coordinator, Mr. Harrington is a health educator for statewide outreach, education, training and intervention activities. He has more than 25 years' experience working on occupational, environmental and other public health issues for government, unions, community-based organizations, law firms and universities.

David L. Marsolais

MarComm Consulting

Mr. Marsolais, MBA has been a Cal/OSHA compliance consultant for 18 years following "early retirement" from a long career with Pacific Bell. He spent one year as "Cal/OSHA Advisor" for the California Chamber of Commerce where he provided "helpline" services for hundreds of chamber members with Occupational Safety and Health related issues. Authoring custom IIPP's for many clients in numerous industries, and regularly conducting employee safety training, has provided him with subject matter knowledge and communication skills to help businesses avoid costly regulatory penalties and to reduce the potential for accidents and injuries in the workplace.

Bruce Anderson

Senior Staff Instructor, Safety Center, Inc.

Mr. Anderson specializes in a comprehensive and common sense approach to assessing and addressing security, emergency planning and personal safety needs. He is a former law enforcement officer, field trainer, and undercover narcotics officer with the CA Bureau of Narcotic Enforcement and has worked extensively on sexual assault, rape and missing child investigations. In 2006, Mr. Anderson joined the Occupational Health and Safety Training Department of Safety Center Incorporated as the Senior Staff Instructor and Curriculum Manager.

Jerry Bach, CSHM

VP of Safety & Health Services, Safety Center, Inc.

Mr. Bach is responsible for developing and marketing all occupational safety and health training programs conducted by Safety Center Incorporated. He assists organizations in developing on-going safety programs in such areas as Forklifts, Defensive Driving and Traffic Control. Mr. Bach is a member of the National Safety Council's Defensive Driving Courses International Advisory Committee, a member and past president of ASSE – Sacramento Chapter, and a member of AGC.

Petra Martinez

Administrative Technician, Sacramento Office of Emergency Services

Ms. Martinez is an Administrative Technician for the Sacramento Office of Emergency Services. After 17 years of outstanding service for the Sacramento Police Dept. she transferred to the Sacramento Fire Dept., Office of Emergency Services and Homeland Security in October, 2005. She now handles the administrative duties and the public education training for the Sacramento Region for the Sacramento Office of Emergency Services.

California MATHCOUNTS Team to Advance to Nationals in May

Teams of sixth through eighth grade student mathletes competed on Saturday, March 20th at UC Irvine and Stanford University in the State MATHCOUNTS Competition. Students were competing for a spot on the four person California team that will advance to the Raytheon MATHCOUNTS National Competition to be held May 6-9, 2010 in Orlando, FL.

The day's events began with individual competitions consisting of the Sprint and Target rounds. The morning session wrapped up with a Team round where groups of four students representing local middle and junior high schools competed amongst each other. The top sixteen individuals then competed in a head-to-head Countdown Round in the afternoon.

The California State Team includes:

Douglas Chen, John F. Kennedy Middle School in Cupertino
Eugene Chen, Harvest Park Middle School in Pleasanton
Lewis Chen & Aaron Lin, William Hopkins Junior High in Fremont
Coach: Donna Phair, William Hopkins Junior High School in Fremont

The four eighth graders were the top scorers among 325 participants from 107 California schools at the annual competition.

The top scoring team at the competition was William Hopkins Junior High School in Fremont, made up of team members Lewis Chen, Angela Gu, Aaron Lin and Jerry Wu.

The CSPE Education Foundation would like to thank each and every volunteer and supporter of the MATHCOUNTS program in California. CSPE had many talented and dedicated volunteers help make the state meet a huge success. Thank you to each and every one of you – this could not be done without your help!

We would especially like to recognize the following sponsors and volunteers for their help and support of the 2010 State MATHCOUNTS Competition:

Ishii Engineering	Norman Hum, PE
Kramer Management Group	Jeff Ide, PE
Raytheon	Becky Ishii
Stanford University	Cliff Ishii, PE, DM, CSPE
Subway	Tim McCarthy, PE
University of California, Irvine	Prof. Sheri Sheppard, Stanford
Jillian Del Pozo, Stanford	George Toye, PE
Julia Gee, PE	Kathleen Wong
Prof. Sarah Heilshorn, Stanford	David Woo
Lanette Hum	

CSPEEF would not be able to present such a terrific and important program without the financial support of our generous sponsors and donors. If you would like to donate to the MATHCOUNTS program, please mail your donation to:

CSPEEF
777 Campus Commons Road, Suite 200
Sacramento, CA 95825

CSPEEF is a 501c(3) organization and your donations are tax deductible.

New Survey Finds American Girls Express Interest in Sciences But Aren't Sure How to Get There

Resources and Educational Opportunities Perceived as Lacking in Study Commissioned in Conjunction with Annual Global Marathon By, For and About Women in Engineering and Technology

Faced with increasing competition across the globe, politicians, pundits and the private sector have sounded the alarm that a reinvigorated focus must be urgently applied to American STEM education (science, technology, engineering and math). Lacking that effort, many have predicted that America's next generation will fall behind the economic and innovation curve, a scenario that could directly impact basic quality of life standards.

Now, a new study commissioned in conjunction with the annual Global Marathon By For and About Women in Engineering and Technology (<http://www.globalmarathon.net/>) sheds an important light on this vital issue by taking the question directly to one under-tapped resource – America's teen girls, ages 13-18. Sponsored by National Engineers Week Foundation, the Global Marathon is the world's premiere non-profit forum for connecting girls and young women with engineer mentors around the globe. A virtual event taking place March 10-11th, the Global Marathon featured 24 hours of continuous internet chats, telephone conversations and Webcasts from various points on six continents.

The survey, conducted by E-Poll Market Research, found that while 38% of girls plan to pursue a career in the sciences, an almost equal number (39%), feel they are not getting a proper STEM education. Significantly, 75% of girls think they will use math in a future job and 61% thought they would use science in a future job. Yet, many felt that school budget cuts and limited resources are inhibiting their ability to receive a well-rounded science education. Many also specifically called for educators to heighten interest in science by making it 'more hands on' and offer 'more experiments.' Only 18% of girls agreed strongly that they were being 'prepared to take on the challenges facing the nation,' when they compared themselves to their peers in other countries.

The perception of engineering among American teen girls fared worse. Only 8% of girls plan to pursue a career in engineering, largely because they don't know much about it or don't understand it. 42% of those surveyed felt it would be 'very difficult' to pursue a career in engineering. Many said they thought engineering was boring or too difficult, yet they also said they might consider an engineering career "if I knew more about it."

"The results of this survey could not be clearer," said Leslie Collins, executive director, National Engineers Week Foundation. "American girls understand implicitly the importance of STEM education but they are frustrated that they are not being properly prepared to take on the challenges they will face when competing on a global level. When you consider that math and science are simply the tools that engineers use, yet engineering scored much lower in terms of interest and aptitude, it becomes obvious that a lot of this comes down to how these girls perceive themselves and their abilities. It is imperative that we look at how we are educating our next generation of leaders, particularly girls, so that we can empower them and provide them with the tools to succeed."

The complete survey results are available upon request at <http://www.epoll.com/>. E-Poll Market Research sampled 877 respondents, yielding a margin of error of 3.3%. The survey was conducted online from March 4 – March 9, 2010.

The CSPE Safety Center



This service exists to assist CSPE Members who run California companies in providing a safe work place through training and education at every level of their business. Our goal, through our partnership with State Fund Workers Compensation Insurance (SCIF), is to provide CSPE Members with results driven superior safety products and services.

Safety, and on the job injury prevention, should be the major concern of every CA employer. The cost savings of this effort directly effects your bottom line. To assist you with this, CSPE has created a Safety Center where you may easily access articles, websites, compliance programs and experts to keep you informed and actively engaged in complying with current laws and regulations.

We encourage you to visit this site often and provide us with suggestions on how we may better serve you.

CSPE Safety Director: Marti Kramer, CAE

CSPE Safety Contact: Marti Kramer, CAE - 916-563-7179

CSPE Online Safety Resource: Marti Kramer, CAE: m.kramer@cspe.com

FAQ's about the State Fund Workers Compensation Insurance Program

— <http://www.cspe.com/FunctionalAreas/MemSvc/statefundfaqs.htm>

Safety Articles

— <http://www.cspe.com/SafetyCenter/safetyarticles.htm>

CAL/OSHA Compliance and Enforcement Issues

— <http://www.cspe.com/SafetyCenter/CalOshaCompliance.htm>

CAL/OSHA Consultation Unit

— <http://www.cspe.com/SafetyCenter/CalOshaConsultation.htm>

Safety Resources

— <http://www.cspe.com/SafetyCenter/SafetyResources.htm>

Safety Seminars

— <http://www.cspe.com/SafetyCenter/SafetySeminars.htm>

State Fund Programs

— <http://www.cspe.com/SafetyCenter/SFPrograms.htm>

Breaking News!!!!!!!

— <http://www.cspe.com/SafetyCenter/BreakingNews.htm>

How to Prevent Injuries and Lower Your Workers Comp Insurance Rates

— <http://www.cspe.com/SafetyCenter/Prevention.htm>