



Structural Engineers Association of
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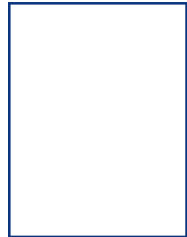
SEAOSC

Founded in 1928 Vol. 11 January, 2001

NEWS

President's Message

Maybe it is because everyone is so busy or maybe it because I'm getting old, but time seems to really fly. As I write this message the year is, as the pessimist would say, half gone. As an optimist, however, we have



a half-year left. There is much to be accomplished in this six-month period. At the State level, a long-range planning meeting will be held Feb. 23 and 24 in San Diego.

If you did not complete the questionnaire and would like to have your thoughts considered, make sure you inform the Board by e-mail, fax, or letter before that date.

Also in the initial planning stages is our attempt to put together an integrated seminar program that encompasses the field of structural engineering. These seminars could

be repeated at regular intervals for both instructional and continuing education purposes. These programs would be in addition to our normal ad hoc programs and could form the basis of a certification program at some point in the future.

This month's dinner meeting is "Student Night and Spouses Night." We will be hearing an interesting presentation from Trailer Martin regarding the Disney Theater in downtown Los Angeles. Being a Frank Gehry design, the project is a real structural engineering challenge. So invite your spouse and support a student either by direct invitation or by making a nominal \$10 donation to cover student costs. We will be making our annual scholarship awards to students nominated by their respective faculties.

See you there,
Jim Hill
President

Practical Design & Detailing Seminar Mar. 7

A SEAOSC Practical Design and Detailing Seminar is scheduled for Wednesday, Mar. 7 from 3:30 to 5:30 p.m. prior to the dinner meeting. Three topics will be covered: *Steel OBF's and OCBF's (Going, Going... Gone?)* by Brian and Michael Cochran, Brian L. Cochran Associates Inc.; *Design and Use of Ordinary Moment Steel Frames in Buildings* by Henry Huang, P.E. and Ifa Kashefi, S.E.; and *Material Welding and Inspection Issues Relating to Steel Moment Frames* by Daniel Luna, Welding Inspector and Peter Maranian, S.E., Brandow and Johnston Associates. (See ____ insert for details.)

L.A. Dinner Meeting

Wednesday, Feb. 7

Program: Disney Concert Center

Speaker: Farzad Naeim, S.E., and Trailer Martin, S.E., John A. Martin & Assoc.

Location: Luminarias Restaurant, Monterey Park

Menu: Tri-tip beef (Vegetarian meal available IF requested by Noon Feb. 5

Time: 5:30: Social hour

6:30 Dinner

8:00 Program

Cost: \$24

(Full-time, undergrad students: \$10)

(See blue insert for reservation form and details.)

Tri-Counties Dinner Mtg.

Wednesday, Feb. 14

Program: Design Criteria for Using Steel in Wood Frame Housing

Speaker: Michael Cochran, S.E.

Location: Alexanders Restaurant, FourPoints Sheraton Harbortown

Time: Social hour: 5:30 p.m.

Dinner: 6:30 p.m.

Program: 8 p.m.

Cost: \$24 (Full-time undergraduate students: \$10)

(See green insert for reservation form and details.)

January Calendar

3		February Newsletter Deadline	
8	3 p.m.	Testing Standards Committee	SEAOSC Offices, Whittier
10	3 p.m.	Board Meeting	Luminarias Restaurant, Monterey Park
	5:30 p.m.	L.A. Dinner Meeting	Luminarias Restaurant
16	2 p.m.	QAC Meeting	SEAOSC Offices
	4 p.m.	EBC Meeting	SEAOSC Offices
17	5:30 p.m.	Orange County Dinner Mtg.	Costa Mesa Country Club
20	9 a.m.	SEAOC Board Meeting	Oakland
31		March Newsletter Deadline	

New members



Carlos C. Baldenegro, *Associate*, City of L.A. Dept. of Building and Safety, Los Angeles

Margarito Castillo, *Associate*, Hillman Biddison & Loevenguth, Los Angeles

Erwin Grigorian, *Member*, J.D.O. & Associates, Westlake Village

Angel Lim, *Member SE*, Port of Los Angeles, San Pedro

Leopoldo Meza, *Associate*, Johnson & Nielsen Associates, Irvine

Richard Osnaya, *Member*, Martin & HBL, Los Angeles

Keith Porter, *Member*, California Institute of Technology, Pasadena

Don L. Price, *Member SE*, Consolidated CM, Oakland

Darren Raskin, *Member*, Raskin Engineering Inc., Rancho Cucamonga

IBC Seminar Feb. 27

ICBO and NCSEA, in cooperation with S.K. Ghosh Associates, Inc., will present a seminar on the structural provisions of the 2000 IBC on Feb. 27, 2001, at the Wyndham Garden Hotel in Commerce. This one-day seminar will focus on the following code provisions: seismic, wind and other design loads; quality assurance, special inspection and testing programs; soils and foundations; and concrete, masonry, steel and wood design requirements

This seminar is being presented by the following three speakers, who have been directly involved with the development of the 2000 IBC: Dr. S.K. Ghosh,

President, S.K. Ghosh Associates, Inc., speaker and author on seismic-related issues and concrete design; Gerald Neville, ICBO Seminar Services, seminar instructor on structural provisions of building codes since 1971; and Susan Dowty, S.E., S.K. Ghosh Associates, Inc., prior Structural Secretariat during the development of the 2000 IBC.

The registration fee is \$235 for SEAOC/ICBO members and \$285 for nonmembers. Registrations received 30 days before the scheduled seminar receive a \$25 discount. For more information or to register visit ICBO's website at www.icbo.org or call (800) 423-6587, x 3418.

Engineering Book's Second Edition Available

Dynamics of Structures: Theory and Applications to Earthquake Engineering Second Edition by SEAONC member Anil K. Chopra has been published by Prentice Hall. The first edition was published in 1995.

New features in the second edition include examples on dynamics of bridges and their earthquake response; fuller discussion relating the deformations of inelastic and elastic structures; applications of the inelastic design spectrum to structural design for allowable ductility, seismic evaluation of existing structures, and displacement-based structural design; energy dissipation devices to retrofit seismically vulnerable structures; ad-

ditional description of base isolation systems and their recent applications to retrofit existing buildings and design new buildings; earthquake provisions in the International, Canadian, Mexican and European building codes; frequency domain method of dynamic analysis; and many new end-of-chapter problems for a total of 357 problems.

Anil, holds the Johnson Chair in Engineering at the University of California, Berkeley.

For ordering information visit www.prenhall.com.



Soil Dynamics Course March 26-27

"Soil Dynamics in Engineering Practice", a two-day course hosted by the University of Missouri-Rolla, will be held Mar. 26., 27 at the Mission Valley Marriott in San Diego.

Topics include earthquake loading on geotechnical structures; experimental determination of system properties; soil properties at low and high strains; nonlinear soil behavior; wave propagation techniques; ground response to earthquakes; site amplification; liquefaction; computation modeling; retaining walls and their displacements during earthquakes; response spectra for force

excited systems; design approaches; eurocode and Uniform Building Codes; pile foundations under dynamic loads; models for analysis of single pile and pile group; design of piles; case histories of geotechnical structures under big earthquakes.

The speakers are Prof. Ahmed Elgamal, U.C. San Diego, and Shamsheer Prakash, U. of Missouri-Rolla.

The cost is \$565. For further information email Prof. Prakash: prakash@umr.edu. To register, visit their website: www.umr.edu/~conted/quake.html.

Delinquent Members

The dues of the following 174 members are past due as of Nov. 27, 2000. All membership benefits, including the monthly newsletter, have ceased as of the above date. If you see your name or that of a friend, please alert him or her. To reinstate or cancel a membership, call the SEAOSC Office at (562) 908-6131. Last year, SEAOSC had 154 delinquent members with 165 and 198 respectively for the prior two years.

Laura C. Acocella	Sergio Ferrer	Donlong P. Lee	Rupa Purasinghe	Lionel W. Vincent
Ridwan Ahmed	Chris Ferrier	Jacky Lee	Lee Pursell	Karl D. Wagner
Robin D. Akers	Eric J. Freund	Dan Levernier	Robert W. Pyle	John W. Wallace
Shashikant P. Ambegaokar	Jose Fulginiti	Don Libby	Alfonso S. Quilala Jr.	Marshall Wang
Jeremy Andreasen	Larry D. Garrett	Doug Litchfield	Jose A. Quinones Jr.	James K. Watson
Peter Arencibia	Avik Ghosh	Lola P. Lo	Md Ayubur Rahman	Donald R. Weiss
Paul D. Armstrong	Susanta K. Ghosh	James J. Lu	Richard A. Ranous	Chris Willcox
Ruben Ayrapetyan	Gregory M. Gordon	Horace Lumpkin	Zoher Rasheed	Mark G. Wilson
Mark D. Baker	Rocky Gordon	David F. Luo	Elly D. Rejuso	Jim Wu
Jan Bear	Adam Greco	David MacDonald	Herman R. Reuter	Alvin Yang
Mary Bessette	Neno Grguric	Kris M. Markarian	Guadalupe Rivera	Benjamin L. Yee
Omer Bilge	Kelly J. Harbert	Robert Marks	Jeff A. Roberts	Jack C. Yeh
Kent Bingham	Arthur T. Henson IV	Gary R. Martin	John G. Rodgers	Ben Yousefi
Randall J. Bravo	Alberto Hernandez	John A. Massey Jr.	Marlou B. Rodriguez	Bosco Yu
Michael D. Brooks	Ricardo R. Hernandez	Rolf Mauerman	John D. Rose	Faisal M. Zahlout
Bo Burick	Richard E. Holguin	Gary A. McClanahan	Edward A. Salazar	Chad D. Zdenek
Aaron Burkhardt	W. Carter Hope	Dennis J. McCreary	Khroin Salmassian	George T. Zorapapel
Thomas I. Campbell	James H. Hui	Rory M. McGruer	Harold Schillinger	
Ron E. Campos	Jennifer Ingel	Benny L. McVicker	Ernest L. Schroeder	
Kent C. Carlson	Larry Jacobson	Jack W. Meadville	Bryan G. Seamer	
P.R. Chakrabarti	John S. James	Robert Mijares	Rocco Serrato	
Gary K. Chang	Steven C. Jensen	Richard S. Miyahira	Nava Shaaya-Shmool	
Michael Chegini	Limin Jin	Danya Mohr	Nour G. Sinayoko	
Thomas E. Chesley	Richard Jones	Paul J. Mouton	Benito A. Sinclair	
Keh-Shin Chi	Mohammad R. Karim	Leland Nakaoka	Jerome M. Slackman	
Kamlesh Citalia	Ifa Kashefi	Srinivasa V. Nathan	Kirk Snell	
Peter K.F. Chiu	Ritchie K. Kato	David Neou	Paul G. Somerville	
Sharon Chiu	Ardashes Kazarians	Gerald B. Neville	Mark A. Stan	
Robert Chou	David G. Keeton	Richard M. Okawa	David Stillman	
Stephen Y. Chung	Stephen W. Kent	Albert A. Okuma Jr.	Ernest A. Stumpf	
James B. Cook	Ray Y. Khan	Timothy J. Olsen	Vida Tarassoly	
Charley C. Curtis	Yacoub F. Kharraz	Gerard C. Pardoen	Steven Tayanipour	
Dawn Daniels	Kenji Kokabu	Natwerlal P. Patel	W. Gregory Thomas	
Alicia Danyeur	Kok L. Koo	Christopher M. Peck	Jeff W. Thompson	
Jason Davidson	Vaskin Koyoumejian	Osman Pekin	Charles H. Thornton	
James Deblois	Beth T. Kueter	Jeff Pengilly	Josef Thurner	
Eugene J. DiLuigi	Ergun Kunter	David W. Pickard III	Alex Tuan	
Emily Dodd	Lutz Kunze	David W. Pickard Jr.	Eugene H. Twarowski III	
Loretta H. Duvall	Gary E. Landingham	Mark R. Pierepickarz	Brian J. Unsderfer	
Byrne Eggenberger	Anna Lang	Ali Pouraghabagher	Bart Valdez	

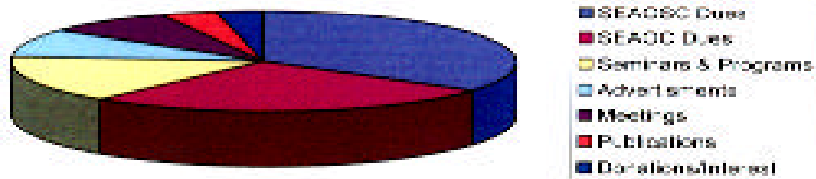
Dues

Member SE: \$195
Member: \$195
Associate: \$97.50
Affiliate: \$156
Industry: \$195
Student: \$27
Corresponding: \$195
Life: \$48.75

SEAOSC Financial Report

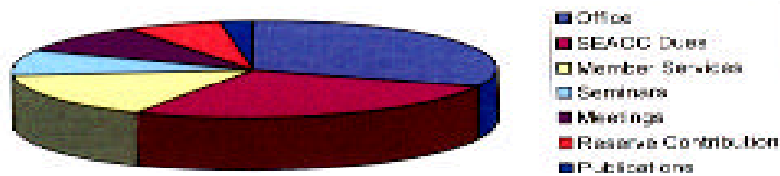
REVENUE

Revenue Category	Revenue	Percent
SEAOSC Dues	\$ 146,343	34%
SEACC Dues	\$ 116,800	27%
Seminars & Programs	\$ 66,239	15%
Advertisements	\$ 37,707	9%
Meetings	\$ 36,355	8%
Publications	\$ 15,444	4%
Donations/Interest	\$ 13,792	3%
Total Revenue =	\$ 434,580	100%



EXPENSE

Expense Category	Expense	Percent
Office	\$ 135,886	31%
SEACC Dues	\$ 116,600	27%
Member Services	\$ 68,758	16%
Seminars	\$ 35,706	8%
Meetings	\$ 40,606	9%
Reserve Contribution	\$ 27,701	6%
Publications	\$ 9,281	2%
Total Expenses =	\$ 434,580	100%



Interview with Jon Traw, President ICBO

Facts & Fallacies Regarding the International Codes



Q: A lot of discussion has been generated regarding National Fire Protection Association's (NFPA) decision to develop a competing building code. Why, after all the years of success in working in harmony with the three Model Code Organizations (MCO's), would NFPA decide to chart a new course?

A: According to their press releases it can be attributed to a difference in philosophy regarding how codes are developed. As you know, ICC and NFPA code development processes differ. However, it is somewhat odd that after 70 years working with one or more of the MCO's, all of a sudden this becomes such a divisive issue. It is interesting to note that the building codes promulgated by the three MCO's have worked hand in hand with many NFPA standards over the years and have done so quite successfully. The track record of U.S. building codes promulgated by the three code groups speaks for itself. These codes have been used as a benchmark for other nations to follow. The direct involvement from the Structural Engineering Associations has, and will continue to be, vital to the development of the International Codes. But getting back to your original question as to why after the nation finally has a single building code would NFPA jump in and muddy the waters, it appears to me to be driven by financial considerations.

Q: NFPA has claimed that ICC was the roadblock during the negotiations to cooperate to produce a family of codes. Do you agree with this criticism?

A: No, and I am sure NFPA does not believe this either. However it makes for a good sound bite for those who don't have the time to seek out all the facts. For the record, the three MCO's have invested on average more than \$500,000, annually, supporting the distribution of NFPA codes and standards, hardly a sign of lack of cooperation. In addition, the MCO's have each developed voluntary certification programs for testing electrical inspectors in an effort to enhance the professionalism of those individuals enforcing NFPA's *National*

Electrical Code (NEC). At the current time, ICBO distributes in excess of fifteen NFPA codes, standards or support products. Perusing NFPA's catalog and web site, I have yet to see any such reciprocal support by NFPA towards any of the MCO's or ICC.

As for the negotiations themselves, history speaks for itself. It was NFPA that walked away from the joint model code development process for the *International Fire Code*, after ICC had made many accommodations and concessions to develop this dual track process. Again, it was NFPA that declared a termination to further discussions with ICC regarding the development of a family of codes. NFPA never, in fact, negotiated. They laid down terms and conditions that ICC would be required to meet, nothing more, nothing less.

Q: Isn't it unusual that all the debate and discussion centers around the process and not the technical merits of the codes themselves?

A: It's really not that odd when you think about it. Currently NFPA has no building code upon which to base a technical comparison. Their preoccupation with the process and procedures is all they have to discuss at this point. In essence, NFPA is using the argument surrounding the process as a delay tactic to buy them time in which to develop a competing product. While the process itself is indeed important, what's most important is providing the public the optimum level of safety. The 2000 *International Codes* accomplish this goal. The alternative offered by NFPA (wait until 2002 for a competing, untested option) does not.

Q: In their literature NFPA uses the term "True Consensus" to describe the process used in developing their building code. What is "True Consensus"?

A: I know of no such definition, according to the American National Standards Institute (ANSI) procedures. NFPA describes consensus as being achieved "when, in

(Continued on Page 7)

Interview with Jon Traw, President ICBO

(Continued From Page 6)

the judgement of the Standards Council of the National Fire Protection Association, substantial agreement has been reached by materially affected interest categories.” The Standards Council is comprised of thirteen non-elected individuals, hand picked by the NFPA Board of Directors. But getting back to the phrase “True Consensus,” it appears to be a product of NFPA’s marketing machine, not a generally accepted term. The more appropriate term for industry consensus standards recognized by ANSI would be “ANSI accredited standards.”

Q: Let’s talk a bit about the process. NFPA’s argument is that the ICC process is a closed process that allows input from only Building Officials. How do you respond to these charges?

A: First by correcting the use of the term “Building Official.” We use the more appropriate terminology of “code official” which is more reflective of the diverse regulatory members ICC serves, which include Building, Fire, Electrical, Mechanical and Plumbing Officials. That said, let me respond to NFPA’s argument. First, under the ICC process any citizen or organization can submit code changes and are provided with an open forum to state their case at public hearings. The final voting for code changes resides with the Code Official (Building, Fire, Electrical, Mechanical, & Plumbing) who have no proprietary interest in the process and whose only mandate is to protect and serve the public. These code officials, through an open process have worked hand in hand with industry, government, the design community, consumer groups and other affected parties to ensure that the codes accomplish what they were designed to do, which is to provide a necessary minimum level of protection to the public. Judging from the relatively low level of deaths and injuries reported in regions governed by the three model codes, which goes back to the publication of the first *Uniform Building Code* (UBC) in 1927, our citizenry has been well served.

I would also like to comment on another overlooked factor. The International Codes adopt standards that

are developed and maintained through nationally recognized consensus processes such as that of ASTM. The ICC process is really a hybrid system of two consensus processes, an ANSI or ASTM consensus process involving standards and an open, governmental consensus process involving codes. The governmental consensus process for the development of codes, combined with an ANSI or ASTM consensus process for development of standards referenced within the codes, provides an innovative, yet equitable system with adequate checks and balances.

Q: Why hasn’t ICC responded to NFPA’s excursion into the building code market by developing a competing electrical code?

A: It has not been ICC’s intent to develop a competing electrical code. Unlike NFPA, the three code groups, through ICC, seek a single set of harmonized codes that effectively protect the public while allowing for the use of alternative materials that meet or exceed the performance criteria set forth in these codes. The motives are driven by the constituents we serve. These constituents are made up of regulators, designers, industry, academia, consumers, and other interested parties. Our constituents have been telling us for years to provide a single and complete uniform set of building regulations that are fair and reasonable, protective of the public, and can be used nationally. The International Codes, along with the *National Electrical Code* accomplished this goal.

Q: Is ICC prepared to go back to the negotiating table with NFPA?

A: Yes, however, this is a question best left to NFPA, since they broke off the talks in the first place. In a recent letter to the *National Conference of Building Codes and Standards* (NCSBCS), NFPA clearly stated they had no desire to return to the negotiating table with the ICC. ICC’s position is that it will never fear to negotiate with all concerned parties, but it will also not negotiate out of fear or coercion.

Member News

Chuck Whiteaker, TradeARBED, Inc., Larkspur, CA, will retire Jan. 1 after 45 years in the steel business. He said, "I appreciate the friendships I have made and will miss working with you."

To contact ARBED for technical information, call Georges Axmann in their New York office: (212) 940-8043.

Advertisements

Teter Consultants, LLP (www.tetercon.com), is seeking an experienced Senior Structural Engineer interested in competitive compensation & benefits, ongoing career development, interesting projects, and a unique firm culture to join its growing and dynamic organization. Registered PE minimum, SE preferred. Send resume to 1025 N. Demaree, Visalia, CA 93291. Fax: 559/625/5282.

K.B. Leung and Associates, Alta Loma, seeks a progressive structural design engineer with experience in wood, masonry, steel, concrete, design and detailing, familiar with 1998 CBC requirements. P.E. preferred. Communication skills required. Fax resume to (909) 944-7983 or mail to 9320 Baseline Rd., Ste. D, Alta Loma, CA 91701.

Grossman & Speer Associates Inc., Glendale, is looking for new college graduates and structural engineers at all levels. We offer a modern office environment, flexible working hours and an opportunity for advancement. Send your resume. Fax (818) 507-1556. Email: loyd@grossmanspeer.com.

Li & Associates, Thousand Oaks, has positions open for senior engineer, designer and drafter. Applicant must have three years design experience in steel, concrete, wood and masonry. Industrial, commercial and school experience required. Firm provides excellent compensation and opportunity to grow. Call Joe: (805) 495-33432 or fax resume to (805) 4495-4083.

Howard F. Stup & Associates Inc. seeks motivated P.E. or E.I.T. seeking P.E. registration, with minimum of two years experience in design and/or structural investigation of wood-framed structures; good verbal and written communication skills; and motivation. Modern office; excellent benefits. Fax resume to (805) 642-0090. Phone: (805) 642-0500, attention Rita.

Advertisements, announcements and inserts are for the information of readers and are not intended as endorsements by SEAOSC.

KPFF Ad

Hart Ad

Howard F. Stup & Associates Inc.

Seeking
manager of design staff

Requirements:

California professional engineer registration, S.E. license preferred; minimum five years experience in design of concrete, steel and wood structures. Good verbal and written skills, motivation, and ability to work effectively with clients. Hospital, seismic upgrade experience a plus. Modern office; excellent benefits.

Fax resume to (805) 642-0090.
Phone: (805) 642-0500, attention Rita.

Kitson Ad

CPEE Ad (full page)

Stay 'In the Know' -- Communicate Electronically!

E-MAIL LISTSERVERS

Want to communicate your thoughts to the Board of Directors or to a specific committee? Here's your vehicle! SEAOSC members (and non-SEA members) may send e-mail messages to any of the list servers shown here.

Each member of a particular list server receives any e-mail message sent to that list server. This saves sending separate e-mails to individuals one at a time. But remember, if you send an e-mail message to John Doe, who happens to be a Board Director, and you send it to board@seaint.org, ALL Board members will receive it. If you want only John Doe to see it, e-mail your message to his personal e-mail address, which might be something like johndoe@aol.com.

Those sending messages should remember that sending a message does not make the sender a *member* of that list server. Some lists are open to committee members/board directors only. This means that while a certain list may receive your message, you may not receive any responses unless the list member(s) e-mail you personally. In fact, list members may respond on the list server and continue discussing your topic, yet you may not see any of these posts unless the members of the list e-mail you personally.

To subscribe to any of these list servers, send an e-mail message addressed to

admin@seaint.org

In the *body* of the message type the words:

Join [*list server name*]

Example: "Join [seacmembers](mailto:seacmembers@seaint.org)" or "Join [seaint](mailto:seaint@seaint.org)". (Do not use quote marks or a period after seaint.)

Questions? Send e-mail to

Seaint-ad@seaint.org

All e-mail sent to seaint@seaint.org is released to the public and may be reposted without permission.

seaint@seaint.org (Main list server open to engineers worldwide. Technical questions, general engineering subjects. 15,000 subscribers)

board@seaint.org (SEAOSC Board of Directors)

seacboard@seaint.org (SEAOC Board of Directors)

seac-bylaws@seaint.org (SEAOC Bylaws Committee)

seacChair@seaint.org (SEAOC Committee Chairs)

seac-code@seaint.org (SEAOC Building Code Committee)

seac-convention@seaint.org ('99 SEAOC Convention Planning Committee)

seacmembers@seaint.org (Open list for topics relating to SEAOC)

seac-pub@seaint.org (SEAOC Publications Committee)

seismo-@seaint.org (Open forum relating to SEAOC Seismology Committee)

seac-ebc@seaint.org (SEAOC Existing Buildings Committee)

ncsea-board@seaint.org (National Council of SEAs [NCSEA] Board of Directors)

ncsea-cac@seaint.org (NCSEA Computer Applications Committee)

ncseaDelegates@seaint.org (Delegates to NCSEA)



Make reservations online via the SEAOSC web page at the [seaint.org](http://www.seaint.org) website. Members are encouraged to utilize this method to expedite the reservation process.

Change your roster information yourself, check out the job forum and the salary survey and obtain referral information -- all at the SEAOSC web page at the [seaint.org](http://www.seaint.org) website.

SEAINT website address: <http://www.seaint.org>

SEAOSC e-mail address: seaosc@seaint.org

2000 - 2001 SEAOSC Officers and Committee Chairs

Get involved! Members and interested parties are invited to join a SEAOSC committee. Contact the chairperson for information on current projects and meeting times, dates and locations.

SEAOSC Officers & Board Members	Name	Phone	Fax	Email
President	James Hill*	562-426-4447	562-426-0979	calse@aol.com
President-Elect	Jack Bruce	213-897-3995	213-897-3159	jack.bruce@dgs.ca.gov
Vice President	Dan Novak	626-683-0066	626-683-0060	dnovak@aslce.com
Treasurer	Richard Hess	714-828-1365	714-236-4034	rlhess@hesseng.com
Secretary	Shirin Ader	562-695-2890	562-695-2890	projectconsults@aol.com
Immediate Past President	Brian Cochran*	310-207-6638	310-207-6188	blcochran@aol.com
Directors				
(* Delegate to SEAOC)	George Battey III	909-824-7210	909-824-7209	
	Dirk Bondy	949-595-8182	949-595-8184	dirkbondy@compuserve.com
	Albert Chen	213-312-3313	213-313-3399	chent@bv.com
	Saiful Islam	626-304-2616	626-304-2676	saiful@sbise.com
	Martin Johnson	714-734-4242	714-734-4272	mwj@eqe.com
	Michael Mehraïn	213-683-1560	213-996-2375	michael_mehraïn@urscorp.com
	Fred Schott	805-544-1216	805-544-2004	fredschott@yahoo.com
	Melvyn Green*	310-792-9252	310-792-8092	mgreenassoc@earthlink.net
Committee	Chairperson	Phone	Fax	Email
Board Advisory	James Lai	818-790-0278	818-790-0279	jslaicse@earthlink.net
Building Code	Warren Minner	661-324-9724	661-324-3416	minner@igalaxy.net
Business Forum	Ike Ikeda	213-744-1414	213-744-1515	n/a
Computer Applications	Shafat Qazi	310-530-3050	310-530-0184	shafat@bqe.com
Disaster Emergency Services	Sandy Pringle	310-353-2244	310-353-2248	sandyp@sic-inc.com
House	David Corman	714-505-2751	714-505-1689	dcorman@ttengineers.com
Legislative	David Weiss	818-224-3973	818-224-3922	n/a
Membership	Juan Carlos Esquivel	213-483-2282	213-483-3084	jceqese@aol.com
Professional Practice	Les Tso	626-441-1211	626-411-1011	n/a
Program	Dilip Khatri	626-792-7906	626-792-2643	dkhatri@aol.com
	David Pomerleau	949-474-0502	949-474-1801	dpomerleau@fwcse.com
	Fred Schott	805-544-1216	805-544-2004	fredschott@yahoo.com
Public Relations	Cecil Teoh	310-646-2268	310-646-8107	cteoh@airports.ci.la.ca.us
Quality Assurance	David Breiholz	310-530-3050	310-530-0184	dave@bqe.com
Research	Farzad Naeim	213-483-6490	213-483-3084	farzad@johnmartin.com
Seminar/Professional Dev.	Jack Bruce	213-897-3995	213-897-3159	Jack.bruce@dgs.ca.gov
Seismology	Saiful Islam	626-304-2616	626-304-2676	saiful@sbise.com
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