



# Northern California Chapter of SAMPE

Presents

## John Rule

President and CEO, Applied Aerospace Structures Corporation

## "Recent Spacecraft and Aircraft Programs at AASC"

Applied Aerospace Structures Corporation (AASC) manufactures lightweight composite and metallic structures for spacecraft and aircraft. Some of the more recent programs include the Airborne Laser (ABL) Composite Ball and Turret and Optical benches, the 24 ft diameter E2C Hawkeye composite radome, the Boeing Satellite Systems (BSS) 702 and 376 satellite assemblies and the next generation GPS 2F satellite assemblies in addition to ongoing commercial aircraft production for Boeing and Learjet.

John has been with AASC for ten years of his total 25 year career in composites. John's background is in composite structures design for space structures which began 25 years ago at General Dynamics in San Diego. Since then John has taken on numerous program management responsibilities, became the Director of Marketing for AASC in 1992 and President/CEO in 1999. AASC, formerly BP Chemicals, has grown from a \$19 million business in 1995 to \$39 million in 2002.

## October 9, 2002 Michaels at Shoreline

2960 Shoreline Blvd.  
Mountain View, CA

Registration: 5:30 PM  
Dinner: 6:00 PM  
Speaker: 7:00 PM

Food Selections: Steak or Salmon

Members: \$20.00  
Guests: \$20.00\*  
Non Members: \$25.00  
Students: \$10.00

Contact: Jack Jew 408-743-6775 [jack.jew@lmco.com](mailto:jack.jew@lmco.com)  
or Carroll Bergdahl 408-446-4680 [cbergdahl@aol.com](mailto:cbergdahl@aol.com)

Reservations requested by 4:00 pm on Monday,  
October 7<sup>th</sup>

\*Members may bring one prospective member as a guest at a reduced price.



## Northern California Chapter of SAMPE Coming Events

November 13, 2002: Tour of [SLAC](#) (Stanford Linear Accelerator Center) followed by dinner at Capriccio's

December 10, 2002: "V-22 Tiltrotor and Other Developments" presented by Dr. John Zuk and Dr. Leonard Haslim of NASA Ames Research Center (Michaels at Shoreline)

January 23, 2003: Annual Composites Workshop (Michaels at Shoreline)

February 12, 2003: Membrane Mirror Technology – TBD (Michaels at Shoreline)

March 12, 2003: Joint ASM Meeting – TBD

April 9, 2003: TBD

May 14, 2003: Tour of [4th State](#) and BBQ - TBD

## Northern California Chapter of SAMPE Monthly Meeting Speakers Needed.

We're always looking for speakers for our monthly meeting with new and exciting topics to share. Have you recently written a paper or given a presentation on some new work you're doing or know someone who has? If so, it may make a great presentation for our monthly meeting which will allow you to share your work and get feedback from peers. If you have a presentation you would like to make or simply have a suggestion for one you would like to see, please contact Carroll Bergdahl at 408-446-4680 [cbergdahl@aol.com](mailto:cbergdahl@aol.com) or Bill Mellberg at 408-743-1192 [bill.mellberg@lmco.com](mailto:bill.mellberg@lmco.com).

## SAMPE International Coming Events

November 4-7, 2002: 34th International SAMPE Technical Conference Baltimore, MD

April 1-3, 2003: SAMPE Europe Conference 2003, 24<sup>th</sup> International Conference and Forum, Paris Expo, Paris Port de Versailles, France

May 11-15, 2003: SAMPE 2003 (48th ISSE) Symposium /Exhibition, Long Beach, CA

September 28-October 2, 2003: 35th International SAMPE Technical Conference, Dayton, OH

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## Scientist/Engineer Advisor Volunteers Needed

Scientist/engineer volunteer advisor volunteers are needed by an organization called Science Buddies. The program is ideally suited for professionals in that it is email/web-based and thus very flexible. In essence, the volunteer serves as advisor to a science fair project team composed of a middle school student (who do the project) and a high school student mentor. Advisors spend 1-2 hours/week helping their teams during the science fair season (November through March). If you would like more information on Science Buddies, go to [www.sciencebuddies.org](http://www.sciencebuddies.org) or contact Paul DeCarli at [pdecarli@unix.sri.com](mailto:pdecarli@unix.sri.com).

## About the Newsletter

**Very shortly this newsletter will be distributed by e-mail only and “snail mailings” will be discontinued!** The e-mailing is done through a group e-mail address called “[norcal-sampe@yahoogroups.com](mailto:norcal-sampe@yahoogroups.com)” If you are not on our list or got this newsletter forwarded to you, we would like to get you on our list! You can automatically subscribe yourself to our list by sending an e-mail to [norcal-sampe-subscribe@yahoogroups.com](mailto:norcal-sampe-subscribe@yahoogroups.com). If you have any difficulty, please contact Derek Edinger at [edinger.derek@ssd.loral.com](mailto:edinger.derek@ssd.loral.com).

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## Managers Take Note

Attention Managers! Preparing ahead is an important part of your job. You may have hired some young exciting engineers over the past few years and the SAMPE Technical Conference in Baltimore on November 4-7, at the Renaissance Harborplace Hotel is where you want to send those young people. SAMPE was created years ago, before exhibitors and vendors were involved, to establish a place to share information and ideas pure and simple. The cost of the conference is kept low because most all presenters are volunteers and peers presenting their papers with a passion for their projects. This is a place of learning, networking, and sharing styles of researching projects. Your young engineers couldn't go to a better place to get current information on M & P "Ideas to Reality". The entire program is planned by SAMPE Baltimore/Washington Chapter committees and they have worked as a team to put on a conference that they feel meets the needs of the materials and process industry.

In recent years the local chapters and the International Business Office of SAMPE have changed to smaller cities which want technical conferences. Baltimore has some of the best rates for flying from the West Coast and we encourage you to look for those deals so costs are minimized. There are two evening events where the food costs are free and these activities will allow these attendees to network with the speakers and the other engineers in attendance. There are many that attend conferences just for these opportunities, as the exchange of ideas is an important part out the outcome. You don't need a car because this is a great location with no need to leave the area for the best that Baltimore has to offer.

The program offers six great tutorials, offering technology from the basics to advanced technology. There are over 100 papers and panel presentations to offer the latest technical information. The keynote speaker, Charles Saff of the Boeing Phantom Works, will be presenting the challenging concept of uninhabited combat aircraft. After his address the local chapter committee has planned a Plenary Panel with key program leads from a number of military programs.

You should get these young people registered early as the tutorials need at least 12 registrants two weeks before the conference. A reception is planned in the display area so that no one will miss the sessions and still be able to talk to vendors who plan to introduce you to their newest and best products. On Wednesday evening the attendees will have dinner at the Baltimore Museum of Industry. The local chapter committee wants to make sure every part of the conference includes learning and the exchange of ideas. In addition there will be a Career Center. Resumes and Job Postings/Opportunities will be available during the conference. The local chapter has done a terrific job trying to think of all your needs during this conference. The test will be when your engineers return to their jobs inspired and encouraged by a truly educational experience.

Check the SAMPE web page for the latest information and updates about this conference and the registration and hotel forms. [www.sampe.org](http://www.sampe.org)

## Northern California Chapter of SAMPE Board Meeting

The board meets once a month, usually on the first Wednesday of the month, to plan technical meetings, organize the Composite Workshop, and take care of organizational activities such as the newsletter, new officers, scholarships, etc. The meetings are held during the dinner hour and we eat and meet. They start at 5:30 and are usually finished by 7:30.

New officers are often old timers who seem to be able to volunteer their time to their profession in some way. We really try not to put too many demands on anyone and often you can do a lot of your SAMPE work during lunch hours. Our membership has dropped below 200 members when just a few years ago we were at 750. Mailing the newsletter was really a big job then! We need to have you help by attending meetings, making suggestions for technical speakers, or volunteering yourself to deliver a paper. Our board noticed there are not too many papers on space applications in the 2002 Symposium in Long Beach. Well, the New Jersey Chapter probably would have loved to have five to ten papers on that subject. Someone needs to make the suggestions to the right people at the right time. If you have suggestions or would like to participate as an officer or just talk with the board, call Carroll Bergdahl at 408-446-4680 or email: [cbergdahl@aol.com](mailto:cbergdahl@aol.com).

### Northern California Chapter of SAMPE 2002-2003 Officers

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