

Northern California Chapter of SAMPE

Presents

Past Chapter Chairperson Night

and

Richard Brand, Ph.D.

President, Advanced Materials Associates

"Composites in Astronomy"

Composites have been used in many applications involved with astronomy. Telescopes (such as the Hubble Space Telescope, the Large Millimeter Telescope, the Atacama Large Millimeter Array and the Next Generation Space Telescope to name a few), optical benches and even mirrors have been constructed from composites. Composites play an important role in reducing the system weight and by providing dimensional stability. Amateur astronomers now can benefit from the design advantages and options composites offer. This presentation deals with an overview of where composites are used in astronomical applications and their advantages. CCD images of nebulas, globular clusters, and galaxies will be presented which were obtained from composite-based telescopes and observatories.

Dr. Brand received his Ph.D. degree from the University of Arizona. He has been employed over 25 years in the aerospace industry at General Dynamics-Convair Division, Composite Optics, Los Alamos National Laboratory and Applied Aerospace Structures Corp. He is the President of Advanced Materials Associates, a technology consulting company (www.advmats.com) specializing in composites, bonding, radomes, radar absorbing and ballistic materials. One of his hobbies is, surprisingly enough, astronomy.

September 11, 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: \$17.00
Non Members \$22.00
Students \$10.00

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

Reservations requested by 4:00 pm on Monday,
September 9th.



SAMPE International Coming Events

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

April 1-3, 2003: SAMPE Europe Conference 2003, 24th 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

“Space Technology” Technical Papers Needed

The 34th International SAMPE Technical Conference needs papers!! We especially would like to see more submittals in the area of “Space Technology.” To submit an abstract, go to the SAMPE web site www.sampe.org or contact session chairman Paul Weinhold at paul.wienhold@jhuapl.edu

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 or contact Paul DeCarli at 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” 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. If you have any difficulty, please contact Derek Edinger at edinger.derek@ssd.loral.com.

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

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.

Northern California Chapter of SAMPE 2002-2003 Officers

Chairperson: Carroll A. Bergdahl Bergdahl Associates, Inc. Tel: (408) 446-4680 Fax: (408) 865-0623 E-mail: cbergdahl@aol.com	1st Vice Chairperson: William J. Mellberg Lockheed Martin Tel: (408) 743-1192 Fax: (408) 756-1656 E-mail: bill.mellberg@lmco.com
2nd Vice Chairperson: Derek J. Edinger Space Systems/Loral Tel: (650) 852-6157 Fax: (650) 852-4666 E-mail: edinger.derek@ssd.loral.com	Treasurer: Jack Jew Lockheed Martin Tel: (408) 743-6775 Fax: (408) 742-9991 E-mail: jack.jew@lmco.com
Secretary: Scott Poveromo Lockheed Martin Tel: (408) 743-0653 Fax: (408) 742-9991 E-mail: scott.l.poveromo@lmco.com	Director: Jack Jew Lockheed Martin Tel: (408) 743-6775 Fax: (408) 742-9991 E-mail: jack.jew@lmco.com
Director: Roger A. Stonier Space Systems/Loral Tel: (650) 852-4138 Fax: (650) 852-4267 E-mail: roger.stonier@ssd.loral.com	Workshop Chairman: Stanley T. Peters Process Research Tel: (650) 968-1624 Fax: (650) 903-0959 E-mail: stpeters@earthlink.net
Membership Chairperson: Robert J. Milligan Lockheed Martin Tel: (408) 742-2661 Fax: (408) 742-2901 E-mail: robert.milligan@lmco.com	Arrangements: Gary Jensen Lockheed Martin Tel: (408) 742-9788 E-mail: gary.jensen@lmco.com
Sr. Advisor: Dr. Jerry Zakrzewski Lockheed Martin Tel: (408) 742-9453 Fax: (408) 756-4220 E-mail: jerry.zakrzewski@lmco.com	Sr. Advisor: Gary Holmquist Lockheed Martin Tel: (408) 756-6452 Fax: (408) 756-6550 E-mail: gary.holmquist@lmco.com
Sr. Advisor: Dr. Frank W. Crossman Lockheed Martin (retired) Tel: (650) 493-9182 Fax: (650) 493-2458 E-mail: crossmanf@earthlink.net	

Northern California Chapter of SAMPE Past Chairpersons

Year	Chairperson	Year	Chairperson
1961-1962	Al Johnson	1982-1983	Stan Peters
1962-1963	Fred Turner	1983-1984	Bill Mellberg
1963-1964	Chuck Butler	1984-1985	Jerry Zakrzewski
1964-1965	Milt Williams	1985-1986	Bob Milligan
1965-1966	James Church	1986-1987	Bob Kromrey
1966-1967	Sam Jacobs	1987-1988	Kevin Marshall
1967-1968	Chuck Mercer	1988-1989	Dan Chafey
1968-1969	Dean Clark	1989-1990	Brian Boggs
1969-1970	Walt Osaka	1990-1991	Lauri Crowe
1970-1971	Stan Peters	1991-1992	Carroll Bergdahl
1971-1972	Jerry Gott	1992-1993	Paul Yamaguchi
1972-1973	Larry Diebler	1993-1994	Carl Steigerwald
1973-1974	Ray Fenn, Jr	1994-1995	Mitch Mehlman
1974-1975	Tom Dougherty	1995-1996	Curt Vass
1975-1976	Norm Kordsmeier	1996-1997	Kendall Oblak
1976-1977	Clayton May	1997-1998	Paul Flowers
1977-1978	Jack Patock	1998-1999	Carl Steigerwald
1978-1979	Don Mazenko	1999-2000	Gary Holmquist
1979-1980	Joe Camahort	2000-2001	Jack Jew
1980-1981	Ken Rice	2001-2002	Roger Stonier
1981-1982	Jim Bumgarner	2002-2003	Carroll Bergdahl

Northern California Chapter of SAMPE Fellows

Ray Fenn, Jr.	Clayton May
Norm Kordsmeier	Don Mazenko
Stuart Lee	Stan Peters
Andy Marshall	George Springer
Roger Stonier	

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 <p>Contact: Terri Radebach 1440 N. Kraemer Boulevard Anaheim, CA 93806 Tel: (714) 666-4340 Fax: (714) 666-4351 WWW: www.cytec.com</p>	 <p>Contact: Cindy Bowman 2975 Cohansey Drive San Jose, CA 95132 Tel: (408) 259-0703 Fax: (408) 259-9878 E-mail: cindys100@aol.com WWW: www.evrobotics.com</p>	 <p>Contact: John Moore 16310 NE 80th Street, Suite 102 Redmond, WA 98052 Tel: (425) 558-4400 Fax: (425) 861-5847 E-mail: john.moore@hexcel.com WWW: www.hexcelcomposites.com</p>
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