



Northern California Chapter of SAMPE and Santa Clara Valley Chapter of ASMI

Jointly Present



Scholarship Night with Student Poster Exhibits

and

Donald G. Polensky
Of Lockheed Martin Space Systems

"The Telecommunications Fiber Optic Revolution"

The telecommunications fiber optic revolution continues albeit at a significantly reduced financial and investment rate. The development of dense wave divisional multiplexing to cost effectively increase fiber optic bandwidth continues as well. The material and process engineering challenges, as they relate to some of the components for fiber optic systems, will be described and discussed. Included will be the basic principles of wavelength divisional multiplexing and how it will dominate the fiber optic systems for the next 10 years.

Donald Polensky is a staff engineer with Lockheed Martin Space Systems. Prior to his return to the defense sector he was with Optcom, a precision thin film filter deposition firm and with Ohara Corporation, a supplier of optical glass and components to the fiber optics industry. Mr. Polensky has a BS in Ceramic Engineering from Rutgers University and a MS from Rensselaer Polytechnic Institute.

April 10, 2002 **Michaels at Shoreline**

2960 Shoreline Blvd.
Mountain View, CA

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

Food Selections: Steak or Salmon

Members: \$17.00
Non Members \$22.00
Students \$10.00

Contact: Jack Jew 650-424-3011 jack.jew@lmco.com
or Carroll Bergdahl 408-446-4680 cbergdahl@aol.com



SAMPE/ ASM International Scholarship Winners 2002

Liz Hergatt of San Jose State University is the winner of one of the scholarships of \$2000.00 this year. She was selected by a faculty committee from San Jose State University chaired by Assistant Professor Dr. Stacy H. Gleixner. Liz will attend the April 10th joint meeting of ASM International and SAMPE and make a small presentation to our memberships.

Maxim Kelman, a PhD. candidate at Stanford University in the Department of Materials Science & Engineering, was also awarded a \$2,000 scholarship. He received his BS in Materials Science & Engineering from the University of California at Berkeley. He was an intern at Advanced Micro Devices (AMD) and is presently a research assistant at Lawrence Berkeley National Laboratory. Max will also make a short presentation at the joint meeting.

Isai Pizano, last year's winner of the Special SAMPE Scholarship recently received a Gates Millennium Scholarship (from the trust foundation of Bill Gates and his wife). Note: This was not the joint SAMPE/ ASMI Scholarship.

Northern California Chapter of SAMPE Coming Events

We are very excited to announce that our upcoming speaker for the May 8th meeting will be:

**Jean Hollands, M.S.
CEO and President, Growth and Leadership Center**



Jean Hollands is the Founder and CEO of Growth and Leadership Center, a 22-year-old corporate training center. She has been a spokesperson for Silicon Valley business trends that impact the community and the work force of this area.

Along the way, Hollands has written four major books and has been featured in most national publications and television media. Her company, GLC, was featured in Business Week (November, 1999) about tough love for techie souls and the rebooting of burned out and crashed executives. Her third book, Red Ink Behaviors: How to Manage the Surprising High Cost of Problem Employees, 1997, received national acclaim from business schools throughout the United States. Her other publications include The Silicon Syndrome: How to Survive a High Tech Relationship, Optimistic Organizations: How to Get, Grow and Keep Positive Power in Your Company. Her most recent book, Same Game, Different Rules, has prompted appearances on Good Morning America and the Today Show. Jean has been a national keynote speaker whose topics transcend the trends and dilemmas of America's workplace.

Business Woman of the year, 1986, 1996, 2000 and 2001, she is actively involved in the Silicon Valley Community and serves as a board member on many profit and public benefit organizations. She is embarking on the foundation of a second women's professional basketball league in the bay area.

The May meeting will be held on May 8th at Michaels at Shoreline. Look for more information in next month's newsletter.

Announcements

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 Wienhold at paul.wienhold@jhuapl.edu

Bridge Building Contest. Donations of supplier materials the kits. Last year kits contained, epoxy resin, adhesives, fabrics, tapes, prepregs, and braids, small spool of fibers, pultrusions, and various core materials. All materials are related to FRP fabrication. Target is for 60 entrants. Contact: Howard Klingner asklinger@voicenet.com

SAMPE International Coming Events

April 9 - 11, 2002 23rd International SAMPE Europe Conference and Tutorials/JEC, Paris, France

May 12 - 16, 2002 SAMPE 2002 Symposium /Exhibition, Long Beach, CA. www.sampe.org

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

SAMPE Fellows To Be Honored at the SAMPE 2002 Symposium

Steve Loud, Dr. Michael V. McCabe, Dr. Ching -Long Ong Dr. A. Brent Strong

Are there Fellow in Your Midst? Contact George Schmitt at george.schmitt@wpafb.af.mil

Fifth Annual Super Light Weight Composite Bridge Building Contest SAMPE 2002, May 12-16, 2002 Long Beach, CA

The objective is to design and build the most weight efficient bridge constructed of composite materials. The maximum bridge envelop will be 22.5 " diameter x 6" high and will be supported by 3 posts equally spaced on a 21" circle. The bridge will be center loaded, and the most weight efficient bridge will be judged winner. Rules and entry form are on P50 of the SAMPE Journal.

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.

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 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 2001-2002 Officers

<p>Chairman: Roger A. Stonier Space Systems/Loral Tel: (650) 852-4138 Fax: (650) 852-4267 E-mail: roger.stonier@ssd.loral.com</p>	<p>1st Vice Chairman: Dr. Stuart M. Lee Ford Aerospace (retired) Tel: (650) 493-3292 Fax: (650) 493-4085 E-mail: smlee20@aol.com</p>
<p>2nd Vice Chairman: Dr. Tracy B. Colwell Lockheed Martin Tel: (408) 742-9608 Fax: (408) 742-7511 E-mail: tracy.colwell@lmco.com</p>	<p>Treasurer: Andrew Zsolnay Lockheed Martin Tel: (408) 743-1712 E-mail: a.m.zsolnay@lmco.com</p>
<p>Secretary: Derek J. Edinger Space Systems/Loral Tel: (650) 852-6157 Fax: (650) 852-4666 E-mail: edinger.derek@ssd.loral.com</p>	<p>Director: Jack Jew Lockheed Martin Tel: (408) 743-6773 Fax: (408) 742-7511 E-mail: jack.jew@lmco.com</p>
<p>Director: Gary Holmquist Lockheed Martin Tel: (408) 756-6452 Fax: (408) 756-6550 E-mail: gary.holmquist@lmco.com</p>	<p>Workshop Chairman: Scott Poveromo Lockheed Martin Tel: (408) 743-0653 E-mail: scott.l.poveromo@lmco.com</p>
<p>Newsletter, Publicity, and Membership: Carroll A. Bergdahl Bergdahl Associates, Inc. Tel: (408) 446-4680 Fax: (408) 865-0623 E-mail: cbergdahl@aol.com</p>	<p>Arrangements: Bill Mellberg Lockheed Martin Tel: (408) 743-1192 E-mail: bill.mellberg@lmco.com</p>
<p>Sr. Advisor: Dr. Jerry Zakrzewski Lockheed Martin Tel: (408) 742-9453 Fax: (408) 756-4220 E-mail: jerry.zakrzewski@lmco.com</p>	<p>Historian: Bob Milligan Lockheed Martin Tel: (408) 742-4510 Fax: (408) 742-7511 E-mail: robert.milligan@lmco.com</p>

Sponsors of the Northern California Chapter of SAMPE 2002

 <p>APPLIED AEROSPACE STRUCTURES CORP.</p> <p>Contact: John Regan 3437 South Airport Way P.O. Box 6189 Stockton, CA 95206 Tel: (209) 983-3230 Fax: (209) 983-3375 E-mail: jpregan@aascworld.com WWW: www.aascworld.com</p>	 <p>Contact: Carroll Bergdahl 6235 Rainbow Drive San Jose, CA 95129 Tel: (408) 446-4680 Fax: (408) 865-0623 E-mail: cbergdahl@aol.com WWW: www.bergdahl.com</p>	 <p>Contact: Kendall Oblak 18410 Butterfield Boulevard Morgan Hill, CA 95037 Tel: (408) 776-0700 Fax: (408) 776-0107 E-mail: kendall@brytotech.com WWW: www.brytotech.com/</p>
 <p>Contact: Terri Radebach 1440 N. Draemer 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>
 <p>Contact: Gary Pruet 1600 West 135th Street Gardena, CA 90249-2506 Tel: (310) 970-5564 Fax: (310) 970-5513 E-mail: pruett.gary@hitco.com WWW: www.hitco.com</p>	 <p>Contact: Jerry Zakrzewski 1111 Lockheed Martin Way Sunnyvale, CA 94089 Tel: (408) 742-9453 Fax: (408) 756-4220 E-mail: jerry.zakrzewski@lmco.com WWW: lmms.external.lmco.com</p>	 <p>Contact: Blake Confer 2850 Willow Pass Road P.O. Box 312 Bay Point, CA 94565-0031 Tel: (661) 224-1365 Fax: (661) 224-1346 E-mail: blake.confer@loctite.com WWW: www.dexteraero.com</p>
 <p>Contact: Robert Bowman 3211 East Chestnut Expressway, Springfield, MO 65802-2592 Tel: (417) 869-3501 x3111 E-mail: rmbowman@mmm.com WWW: www.mmm.com</p>	 <p>Contact: Michael Rainaldi 445 Indio Way Sunnyvale, CA 94085-4203 Tel: (408) 774-5703 Fax: (408) 774-0573 E-mail: mike_rainaldi@m-chem.com WWW: www.mitsubishichemical.com</p>	 <p>Nippon Graphite Fiber Corporation Contact: Thomas Wong 9604 Weybridge Court Cypress, CA 90630-2762 Tel: (714) 826-3235 Fax: (714) 826-3528 E-mail: tg_wong@compuserve.com WWW: plaza6.mbn.or.jp/~NGF/english</p>

Sponsors of the Northern California Chapter of SAMPE 2002

 <p>Contact: Gerald Sauer 3883 East Eagle Drive Anaheim, CA 92807 Tel: (714) 630-3003 ext 203 Fax: (714) 630-4443 E-mail: jsauer@ocmtestlabs.com WWW: www.ocmtestlabs.com</p>	 <p>Division of Pressure Systems Inc. Contact: Rick Byrens 250 Clug Circle Corona, CA 92880 Tel: (714) 701-7383 Fax: (714) 701-7373 E-mail: rickb@psi-pci.com WWW: www.psi-pci.com/pci</p>	 <p>Contact: Darrell Oakes 3665 WS Deschutes Street Corvallis, OR 97333 Tel: (541) 753-0607 Fax: (541) 753-0610 E-mail: darrelloakes@pmiclab.com WWW: www.pmiclab.com</p>
 <p>Contact: Scott Peck 3825 Fabian Way Palo Alto, CA 94303 Tel: (650) 852-5979 Fax: (650) 852-4267 E-mail: peck.scott@ssd.loral.com WWW: www.ssloral.com</p>	 <p>Contact: Wally Hansen 136 Wright Brothers Avenue Livermore, CA 94550 Tel: (925) 454-3010 Fax: (925) 454-3011 E-mail: whansen@ultracorinc.com WWW: www.ultracorinc.com</p>	 <p>Contact: Steve Hinkle 5121 San Fernando Road West Los Angeles, CA 90039 Tel: (661) 284-2356 Fax: (661) 284-2362 E-mail: steve.hinkle@vantico.com WWW: www.vantico.com</p>
 <p>YLA, Inc. Contact: Sean Johnson 2970 Bay Vista Court Benicia, CA 94501 Tel: (707) 747-2783 Fax: (707) 747-4944 E-mail: sjohnson@ylainc.com WWW: www.ylainc.com</p>		