



Society for the  
Advancement of  
Material and Process  
Engineering

# SAMPE

## Los Angeles Chapter

### News and Information



April  
2018

**JOINT MEETING  
OF  
SAMPE – Los Angeles, Orange County and USC CHAPTERS  
MC GILL COMPOSITES CENTER  
April 23, 2018 (Monday) at 5:30 PM**



**ADDRESS:**

University of Southern California  
Grace Ford Salvatori Hall, Room 101 (GFS-101)  
900 W. 36th St.  
Los Angeles, CA 90089

**Parking:**

Enter Downey Way Entrance, park in structure labeled "Downey Way Parking Structure" (there is a nominal parking fee)

**TIME:**

5:30 PM --- Pizza Dinner (Free)  
6:00 PM --- Presentation  
7:00 PM --- Lab Walkthrough and Poster Session

**RESERVATIONS:**

Please [RSVP](#) by email to [eric.ehlers@canyoncomposites.com](mailto:eric.ehlers@canyoncomposites.com)  
Include name(s) of *all* attendees in the RSVP.

## **USC RESEARCH ACTIVITIES**

USC SAMPE and the MC Gill Composites Center invites composites industry professionals, students, researchers, and enthusiasts to the University of Southern California for the fifth annual joint meeting of the Los Angeles and USC SAMPE Chapters. The evening will begin with a pizza dinner and social time, where--back by popular demand--Joe's Pizza and soft drinks will be served, free of charge. The MC Gill Composites Center, directed by Professor Steven Nutt, has prepared a presentation of recent research developments in composites processing. Research Assistant Professor Timotei Centea will introduce the center, describing the background and qualifications of our professional, graduate, and undergraduate research staff, before several senior Ph.D. candidates will discuss new developments in prepreg design and processing. Finally, several additional projects will be briefly discussed to demonstrate the scope of research contributions at the M.C. Gill Composites Center and inspire discussion between students and industry professionals. After the presentation, guests will have the opportunity to join a walk-through of the lab space managed by the center. Research posters will be on display, and guests will be provided an opportunity to discuss results directly with the student researchers responsible for the data presented.

## **MC GILL COMPOSITES CENTER**

Established in 1995 and endowed with a generous gift from M.C. Gill in 2002, the mission of the MC Gill Composites Center is to address problems associated with the design, manufacture, and performance of composite materials and structures. The Center strives to train graduate and undergraduate students in the material selection, design, processing, and qualification of composite structures while simultaneously working to address practical challenges through industry-sponsored research and development activities. Personnel within the composites center make available a range of expertise, with specialized skills including, but not limited to, mechanics, polymer science, and manufacturing technology. Student researchers work closely with industry sponsors, and previous and ongoing collaborations have involved the likes of The Gill Corporation, Airbus, General Electric, Composite Technology Corporation, HRL Laboratories, Raytheon, NASA, Cytec Engineered Materials, L'Garde Corporation, Bell Helicopter, NewBasis, HyperTherm Composites, and Northrop-Grumman. More information about the center and current research activities can be found online at <http://composites.usc.edu>.



## **Spotlight: Eric Ehlers – SAMPE-Los Angeles Chapter Chairman**



***Eric Ehlers has over 45 years' experience working in the Composites and Aerospace industries. He is the Chairman of SAMPE-Los Angeles.***

### ***Getting to know Eric***

Eric Ehlers has over 45 years' experience working in the Composites and Aerospace industries working at such companies as Goldsworthy Engineering (on automated composite fabrication equipment), HITCO (on ablator rocket nozzles), Hughes Satellite (on satellites), Northrop (on the B-2 Bomber), Reinhold Industries (on composite seat backs) and Canyon Composites (on composite satellite components).

Also, Eric teaches Problem Solving Classes at local Colleges and other institutions. Eric makes presentations at SAMPE Meetings. Currently, Eric serves a Program Manager/Engineer over satellite component fabrication at Canyon Composites in Anaheim, CA. Plus, Eric is teamed up with Cerritos College to provide California State paid training courses to manufacturing companies.

Eric is our SAMPE-Los Angeles Chapter Chairman.

### **Eric Ehlers Bio:**

***Current: Program Manager/Engineer, Canyon Composites, Inc.***

***Education: CSU Long Beach, BS, Industrial Technology  
CSU Dominguez Hills, MBA***

## Irene Epstein Scholarship

The Irene Epstein Memorial Scholarship Awards were initiated in 1996 shortly after the death of Irene Epstein, to honor her volunteer efforts on behalf of the Society for the Advancement of Material and Process Engineering (SAMPE), and to recognize her strong desire to assist financially-needy, academically-deserving students at Fairfax High School (Los Angeles) to attend college to study engineering, science, mathematics, or medicine.

The Irene Epstein Memorial Scholarship Awards program was initially funded by contributions from The Aerospace Corporation and SAMPE. It is also supported by the Air Force Space Systems Manufacturing Problem Prevention Program (MP3).

The program is administered by Dr. Howard A. Katzman, Senior Scientist at The Aerospace Corporation, and Education Chairman of the Los Angeles Chapter of SAMPE.

Many individuals and companies have generously contributed to help the fund grow so the amount of the scholarship awards has increased five-fold since it started. In addition, a special Book Awards was introduced three years ago to help selected students in the purchase of their college textbooks. If you would like to make a donation or learn more about the scholarship, please contact Dr. Howard A. Katzman at 310-336-5860 or email him at

[Howard.A.Katzman@aero.org](mailto:Howard.A.Katzman@aero.org).

## Schedule of Upcoming Events

Event	Location	Date(s)
SAMPE Technical Conference	Long Beach, CA	May 21 - 24
SpaceTech Expo	Pasadena, CA	May 22 – 24
CAMX	Dallas, TX	October 5 – 8
Manufacturing Problem Prevention Program (MP3)	The Aerospace Corporation (El Segundo, CA)	November 6

## **SAMPE-Los Angeles Sponsors**

<u><b>Company</b></u>	<u><b>Contact</b></u>	<u><b>Phone</b></u>	<u><b>E-Mail</b></u>
Airtech International	Jeff Dahlgren	(714) 899 8100	jldahlgren@airtechintl.com
Aligned Vision	Scott Blake	(978) 244-1166	Sb@assemblyguide.com
Element Materials Technology	John Moylan	(818) 247 4106	John.Moylan@element.com
Fives Machining Systems, Inc.	Bridget Spears	(859) 534 4537	Bridget.Spears@FIVESGROUP.COM
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TA Instruments	Steve Hall	(302) 521 5778	SHall@tainstruments.com
TenCate Advanced Composites USA	Eric Howard Stacy Biel	(831) 607 3851 (707) 758 4368	E.Howard@TCAC-USA.com S.Biel@TCAC-USA.com
Thermal Wave Imaging	Steve Shepard Alan Nusbaum	(248) 414 3730 (248) 417 5882	Sshepard@thermalwave.com alannusbaum@thermalwave.com
Toray Composites (America), Inc.	Nate Monroe	(253) 320 8958	nmonroe@toraytca.com

Thank you all for your sponsorship and support of SAMPE-LA!!!

Our list of sponsors is growing!!! Sponsors get monthly exposure in our mailing to over 750 members and associates of the local chapters of SAMPE. Sponsors also get a link to their corporate webpage via the SAMPE Los Angeles Chapter website.

For information on being a sponsor, please contact:

Howard A. Katzman

(310) 336-5860

[Howard.A.Katzman@aero.org](mailto:Howard.A.Katzman@aero.org)