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## Recent Developments in Braiding Technology for Aerospace and Commercial Markets

**Speaker:** David Kehrl, A&P Technologies

A&P Technology is the world's largest braider of advanced textiles. All of their braiding machinery and post braid processing machinery are designed and manufactured in house. The presentation will highlight recent developments in braiding technology for aerospace and commercial markets. Advantages of braided structures when compared to traditional prepreg tape and filament wound structures will be highlighted. Developmental testing that led to GE using a braided fan containment case for the GEnx 787 and 747-8 will be discussed. The University of Maine in conjunction with A&P Technology developed a highway bridge system that utilizes braided carbon fiber arches. The braided tubes are the form for the concrete pumped on site and act as the arch exoskeleton eliminating the need for rebar which limits bridge life. Development that led to this innovative system will be discussed.

**When:** Tuesday, September 28, 2011

Social Hour: 5:00PM

Dinner: 6:00PM

Speaker: After Dinner

**Where:** Galliano's Cucina

16435 Military Rd S, Seatac, WA 98188 (near SeaTac Airport) Free Parking

**Directions:** From WA-99 just south of Hwy. 518, turn East on S 160th which turns into Military Rd. Galliano's is on the right, just beyond Safeway. Note: there is another Galliano's in Tukwila on Interurban Ave so don't go there.

**Price:** \$10 members/students/retirees with RSVP

\$25 non-member with RSVP.

Please RSVP by noon on the Friday before the event. Non-RSVP attendees will be charged an extra \$5 at the door.

## Announcements

**Website Address:** Check us out and keep up to date at [www.sampeseattle.org](http://www.sampeseattle.org).

**Email Us:** You can email the Board at [seattlesampe@hotmail.com](mailto:seattlesampe@hotmail.com)

### Board Business E-mail Distribution List:

If you would like to be on the "Board & Others" distribution that is used to inform people of Board meetings and conduct other board business, please send an email with subject "SAMPE Board Distribution" to Arlene Brown.

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## Publication & Sponsorship Information:

Please send any comments, questions or concerns about the newsletter to Joel Payne.

## Job Postings:

If you have a job posting, please send it to Bob Yancey for posting on the website.

## Boeing Museum of Flight:

Three space shuttles are soon to be distributed to locations across the US. The Museum of Flight next to Boeing Field is a possible location where one of three space shuttles could be displayed. If you would like to help make this happen, please visit the new website:

[www.washingtonshuttleboosters.org](http://www.washingtonshuttleboosters.org). On this website you can sign the petition, make a donation or learn about the Museum's space Gallery plans.

## MIT's Women's Initiative Program (MIT WIP):

The deadline is fast approaching to apply for a school district of your choice to benefit from the 2011 MIT Women's Initiative Program, sponsored by SAMPE for the January, 2011 period. This January, the MIT WIP program will send out female MIT students to school districts around the nation to make presentations to female students (ranging from 6th to 12th grade) about education and careers in engineering, math and science. Please visit <http://web.mit.edu/wi/schools/> if you are interested in a school district of your choice participating in this program. The deadline is October 15, 2010.

## Mark Your Calendars

28 September, 2010 Chapter Meeting at Galliano's Cucina