

## December Event: Joint SAMPE/ASM Meeting at the Rock Salt Steakhouse "What Do a Lamborghini and Boeing 787 Have in Common?"

### Silver Sponsors:

[Airtech International](#)  
[General Plastics Mfg. Co](#)  
[Owens Corning](#)  
[Henkel](#)  
[Torr Technologies](#)

### Corporate Sponsors

[AASC](#)  
[Altair Engineering, Inc.](#)  
[Assembly Guidance Systems](#)  
[Composites Solutions Corp.](#)  
[CompuDAS](#)  
[David H. Sutherland & Co., Inc.](#)  
[Delsen Testing Labs, Inc.](#)  
[DIAB, Inc.](#)  
[Double R. Group](#)  
[Heatcon Composite Systems](#)  
[Hexcel](#)  
[Integrated Technologies, Inc.](#)  
[Material Testing Tech, Inc.](#)  
[National Aerospace Supply Co.](#)  
[NSE Composites](#)  
[Quadrant Eng. Plastics Products.](#)  
[Richmond Aerovac](#)  
[Stiles Machinery](#)  
[Technology Marketing, Inc.](#)  
[Tencate Advanced Composites](#)  
[Toho Tenax America](#)  
[Victrex USA Inc.](#)

**Speaker: Dr. Paolo Feraboli,**  
**Research Associate Professor, University of Washington**

Out-of-autoclave technologies, such as advanced compression molding (ACM), have found several applications on the Boeing 787, including primary structural parts such as floor gussets, intercostals and window frames. Similarly, super sport car manufacturer Lamborghini has transitioned from the exclusive use of manual lay-up of prepreg and autoclave cure, to ACM to manufacture the one-piece inner tub of the monologue of the Sesto Elemento. The presentation will review the research being performed at the UW in the area of discontinuous material forms used in ACM. These materials pose unique challenges for design, analysis and certification of primary structures manufactured with them.

Dr. Feraboli is the Director of the Advanced Composite Structures Laboratory (ACSL) in University of Washington. Dr. Feraboli has received research funding from Boeing, FAA, AFOSR, Callaway Golf, Hexcel, Toray, and Automobili Lamborghini on various projects related to the development of analytical and experimental techniques for composite materials. He is particularly interested in composites aircraft safety and certification, including impact damage resistance and tolerance, lightning strike damage, and crashworthiness. Dr. Feraboli earned his Ph.D. at the University of California, Santa Barbara under the supervision of Dr. Keith Kedward. In 2007 he was actively involved with the methods development of the Boeing 787, and worked in the 787 Technology Integration group under Dr. Al Miller.

**When: Tuesday, Dec. 11, 2012**

5:30 – 6:30 PM Social Hour

6:30 – 7:30 PM Dinner

7:30 PM - Presentation

**Where: Rock Salt Steakhouse on Lake Union**

1232 Westlake Avenue Seattle, WA 98109

**RSVP (REQUIRED)** to: [Mary.Davis@crane-eg.com](mailto:Mary.Davis@crane-eg.com); or 425-743-8327 by Dec. 7<sup>th</sup> with your meal of choice (next page) and specify that you are with SAMPE

Price	Student/Retiree/life member/their spouses	SAMPE Member/ their spouses	Non-Member
RSVP	\$10	\$20	\$25

## Silver Sponsors:

[Airtech International](#)  
[General Plastics Mfg. Co](#)  
[Owens Corning](#)  
[Henkel](#)  
[Torr Technologies](#)

## Corporate Sponsors

[AASC](#)  
[Altair Engineering, Inc.](#)  
[Assembly Guidance Systems](#)  
[Composites Solutions Corp.](#)  
[CompuDAS](#)  
[David H. Sutherland & Co., Inc.](#)  
[Delsen Testing Labs, Inc.](#)  
[DIAB, Inc.](#)  
[Double R. Group](#)  
[Heatcon Composite Systems](#)  
[Hexcel](#)  
[Integrated Technologies, Inc.](#)  
[Material Testing Tech, Inc.](#)  
[National Aerospace Supply Co.](#)  
[NSE Composites](#)  
[Quadrant Eng. Plastics Products.](#)  
[Richmond Aerovac](#)  
[Stiles Machinery](#)  
[Technology Marketing, Inc.](#)  
[Tencate Advanced Composites](#)  
[Toho Tenax America](#)  
[Victrex USA Inc.](#)

(Continued from last page)

### **Dinner Choices at the Rock Salt Steakhouse:**

\*Rock Salt Prime Rib - Slow Roasted Prime Rib served with Au jus and Horseradish  
\*Salmon Al Limon - Pan Seared Wild Sockeye, Topped with Lemon Butter Sauce  
\*Vegetarian: Pasta Primavera - Garden Fresh Vegetables Sautéed in Olive Oil, Garlic, Fresh Basil and Plum Tomatoes topped with Fresh Garlic Parmesan

### **Puget Sound Materials Expo (PSME) 2013:**

The annual Puget Sound Materials Expo (PSME) will be on Feb. 26 2013 at the Museum of Flight near Boeing Field in south Seattle. Most Seattle SAMPE Chapter Sponsorship levels offer the benefit of having a display/table-top booth at the PSME (in addition to other benefits). The sponsorship forms for 2013 ([www.sampeseattle.org](http://www.sampeseattle.org)) have now been emailed out. If you think your company did not receive the sponsorship letter/form, please contact Erinann Corrigan at [e.corrigan@tencate.com](mailto:e.corrigan@tencate.com); also please look at our website: [http://www.sampeseattle.org/docs/SAMPE\\_SeattleSponsorForm2013.pdf](http://www.sampeseattle.org/docs/SAMPE_SeattleSponsorForm2013.pdf)

### **PSEC "2013 Engineer-of-the-Year" Awards Nomination**

Puget Sound Engineering Council (PSEC) is accepting nomination for the PSEC outstanding engineers awards from the Puget Sound area member societies (including SAMPE, <http://pseconline.org/Societies/>). The six awards are Academic Engineer-of-the-Year, Industry Engineer-of-the-Year, Government Engineer-of-the-Year, Engineering Educator-of-the-Year, Young Engineer-of-the-Year, Professional Engineer-of-the-Year. If you would like to nominate someone as deserving members of our SAMPE chapter, please contact [Arlene Brown](#) for the Award Nomination Instructions and Award Nomination Forms. Deadline to submit nominations to the Awards Committee is 5 p.m. on Friday, January 4, 2013. Awards will be presented at the February 16, 2013 PSEC Awards Banquet.

If you have any questions, please contact:  
John Schaufelberger  
Interim Dean, College of Built Environments  
206-616-2441  
Chair, Department of Construction Management  
206-685-4440  
University of Washington  
Email: [jesbcon@uw.edu](mailto:jesbcon@uw.edu);

## Silver Sponsors:

[Airtech International](#)  
[General Plastics Mfg. Co](#)  
[Owens Corning](#)  
[Henkel](#)  
[Torr Technologies](#)

## Corporate Sponsors

[AASC](#)  
[Altair Engineering, Inc.](#)  
[Assembly Guidance Systems](#)  
[Composites Solutions Corp.](#)  
[CompuDAS](#)  
[David H. Sutherland & Co., Inc.](#)  
[Delsen Testing Labs, Inc.](#)  
[DIAB, Inc.](#)  
[Double R. Group](#)  
[Heatcon Composite Systems](#)  
[Hexcel](#)  
[Integrated Technologies, Inc.](#)  
[Material Testing Tech, Inc.](#)  
[National Aerospace Supply Co.](#)  
[NSE Composites](#)  
[Quadrant Eng. Plastics Products.](#)  
[Richmond Aerovac](#)  
[Stiles Machinery](#)  
[Technology Marketing, Inc.](#)  
[Tencate Advanced Composites](#)  
[Toho Tenax America](#)  
[Victrex USA Inc.](#)

## More News:

- Congratulations our SAMPE Seattle chapter members Drs. Shanying Zeng (Boeing) and Bill Avery (Boeing) to be elected new SAMPE Fellows!
- Washington State University has just been granted a SAMPE Student Chapter. They join UW and WWU as our active student chapters
- SAMPE hold a "SAMPE Chapter Relations Meeting" on Oct 17, 2012 to discuss effort to increase communication between different chapters and gain best practices

## 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](mailto:Arlene.Brown).

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

## About Newsletter:

Please send any comments, questions or concerns about the newsletter to [newsletters@sampeseattle.org](mailto:newsletters@sampeseattle.org)

## Website Address:

Check us out and keep up to date at [www.sampeseattle.org](http://www.sampeseattle.org).  
Questions about the website? - Please contact [webmaster@sampeseattle.org](mailto:webmaster@sampeseattle.org).

## Sponsorship and Job Postings:

If you would like to become chapter sponsor to promote your company or have a job posting, please contact to [Bob Yancey](mailto:Bob.Yancey)

## Mark Your Calendars

- **Feb. 26, 2013** Annual Puget Sound Materials Expo 2013 reserved at Museum of Flight

*Have a Great Holiday Season!*