



**SOCIETY FOR THE ADVANCEMENT  
OF MATERIAL AND PROCESS  
ENGINEERING**

**NEW JERSEY CHAPTER**

**MARCH NEWSLETTER & MONTHLY NOTICE**

**MARCH 3, 2011 (1<sup>ST</sup> THURSDAY)**

**RESIN INFUSION – THE USE OF SPRAY ON BAGS**

**Joseph K. Domic**

*Technical Sales Manager*

Smooth-On Inc.

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E-mail: [jdomic@smooth-on.com](mailto:jdomic@smooth-on.com)

Youtube: [www.youtube.com/Smoothoninc](http://www.youtube.com/Smoothoninc)

**MEETING DETAILS**

Place: Bridgewater Manor, Bridgewater, NJ; (908) 658-3000

Time: 5:30 Cocktails (Cash Bar); 6:15 Dinner; 8:30 Adjourn

Cost: \$10.00 Advanced Registration; \$15.00 at Door; Students - Free

**This meeting is open to all SAMPE members, spouses, guests, and other interested parties**

Reservations please contact John Osterndorf at 973-248-5885 or by email at [sampejohn@yahoo.com](mailto:sampejohn@yahoo.com)

by noon the Wednesday before the meeting.

**Directions to Bridgewater Manor:** From I-287 north, take exit 22A (206 south). Go thru two lights, Bridgewater Manor is on right. From I-287 south, take exit 22. Make right at end of ramp. Make next left, a jughandle to cross 202/206 to go south on 202/206. Go thru three lights, Bridgewater Manor is on the right.

**SAMPE Best Chapter Award Winner:**

1990, 1991, 1992, 1993, 1995, 1996, 1997, 1998, 1999, 2000, 2001

**SAMPE Chapter Service Excellence Award Winner:**

2002, 2003, 2004, 2005, 2006 (award retired after 2006)

**SAMPE Chapter Sponsored Conferences:**

**ISSE** – 1990( Anaheim ), 1994( Anaheim ), 1996( Anaheim ), 1998( Anaheim ), 2002( Long Beach )

**ISTC** – 1981( Mt. Pocono ), 1989( Atlantic City ), 2006( Dallas ), 2009( Wichita )

**ISEC** – 1994( Parsippany )



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**2010 – 2011 MEETING SCHEDULE**

September 9, 2010 – Henkel’s Approach to Reduction to Hexavalent Chrome in Conversion Coatings, Matthew Clark, Henkel Corporation, Madison Heights, MI	March 3, 2011 – Resin Infusion - The Use of Spray on Bags. Joseph K. Domic, Smooth-On Inc., Easton, PA
October 7, 2010 – Improved Performance of Polyaryl Ether Amide Matrix Resins, Borys Schafran, Evonik Degussa Corporation, Parsippany, NJ	April 1, 2011 – Composite and Infrastructure, John Busel, ACMA, Arlington, VA
October 11 – 14, 2010 42 <sup>st</sup> International SAMPE Technical Conference, Salt Lake City, UT Sponsored by the Utah Chapter	May 5, 2011 – Metal Composite Hybrid Materials: Air, Land and Sea Products, James F. Stevenson, Honeywell Aerospace, Morristown, NJ, Election of Officers
November 4, 2010 – Non Destructive Inspection of Composite Structures Using Line Scanning Thermography, Obdulia Ley, Mistras Group, Princeton Junction, NJ	May 17 – 20, 2011 – 55 <sup>th</sup> International SAMPE Symposium & Exhibition, Long Beach Convention Center, Long Beach, WA Sponsored by Orange County Chapter
December 2, 2010 – Composites in Wind Energy, Peter Toohey, Evonik Degussa, Parsippany, NJ	June 2, 2011 – TBD
February 3, 2011 – A Composite Blade for a Large Scale Centripal Fan, Anthony Turchi and Russell Shaffer, Curtiss Wright EPD, Phillipsburg, NJ	July 7, 2011 – 28 <sup>th</sup> Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ

**Notes ....** The NJ Chapter sponsors a student chapter at Drexel University.

**FEBRUARY MEETING**

At the February meeting, Mr. Anthony Turchi and Mr. Russell Shaffer gave an excellent presentation entitled A Composite Blade for a Large Scale Centripal Fan. The New Jersey Chapter wishes to thank Mr. Anthony Turchi and Mr. Russell Shaffer for their excellent presentation.

**UPCOMING CONFERENCES**

**SAMPE 2011 – ISS&E – Long Beach CA. May 23 - 26, 2011  
Sponsored by SAMPE Orange County Chapter**

**SAMPE 2011 – ISTC – Fort Worth, TX – Oct. 17 -20, 2011  
Sponsored by SAMPE Dallas/Fort Worth Chapter**



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**ABSTRACT:**

The presentation will feature a video showing how to make a spray on bag, and a short slide show which should take no more than 45 minutes. The presenter will be also bring a racing car seat Resin Infusion Tool. The tool has a reusable silicone bag formed over an existing rigid tool. He will also bring a vacuum pump to show how the bag works and will have a short video clip that shows a car seat made using Resin Infusion.

**BIOGRAPHY:**

Joe Domic is a materials specialist and artist with over 15 years experience working and consulting on various large scale projects in the, construction, prototyping, film, and make-up effects industry. Joe is senior technical manager at Smooth-On , a leading manufacturer of liquid rubber and liquid plastic compounds. He has been instrumental in developing new techniques for the composites and F/X applications. Joe has also taught and lectured across North America, Europe, and Asia at leading design institutions.



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**2012 International SAMPE Technical Conference  
Charleston, SC**

At the SAMPE Board of Directors Meeting held in Salt Lake City on October 11, 2010, the New Jersey Chapter of SAMPE was awarded Major Sponsorship of the 2012 International SAMPE Technical Conference (ISTC) which will be held in Charleston, SC on October 22 to 25, 2012. A newly chartered Carolinas Chapter will join the New Jersey Chapter as the Minor Sponsor.

**The Theme of the Conference is:**

***“The New Composites: Innovative, Sustainable, Renewable”***

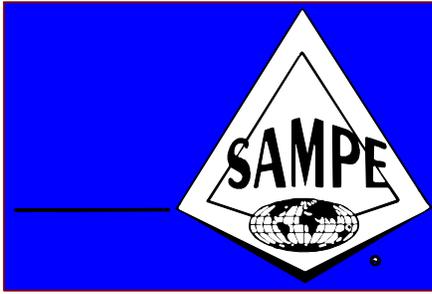
**Panels planned for the conference are:**

1. – Global Outlook for Carbon Fiber in Industrial Applications
2. – Innovative Thermoplastic Resin Composites for Primary Aircraft Structures
3. – Sustainable Production Methods, Fiber Placement and Consolidation Techniques to Reduce Costs
4. – Global Outlook for Composite Materials in Aircraft Interiors

**Featured (Invited) Lectures for the conference are:**

1. - Multifunctional/Smart Composites
2. - NASA High Temperature Composites
3. – The Age of Renewable Composites Materials

If you are interested in assisting the Chapter with the Conference or have potential speakers, or Session Chairman please contact either Ben Rasmussen, Louis Pilato, Howard Kliger or Borys Schafran. Their contact information is listed on page 6 of the Newsletter.



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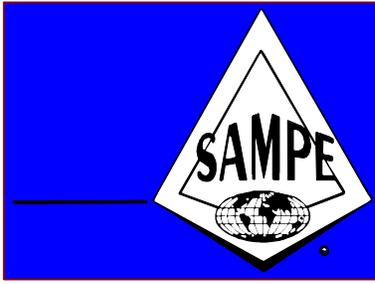
**NEW JERSEY SAMPE  
CORPORATE SPONSORSHIP**

The New Jersey Chapter is inviting you and your company to be a Corporate Sponsor of the Chapter. By being a corporate sponsor, you and your company enables the chapter to continue it's educational endeavors such as the Bridge Building Contest at the SAMPE Symposium and Exhibition and monthly technical meetings. In addition, your contribution enables the chapter to publish the monthly newsletter, conduct one day seminars and sponsor international conferences and exhibitions. These activities have helped the chapter become one of the best chapters in SAMPE.

In addition, the Chapter has revised it's newsletter to provide greater recognition of its sponsors. A sponsor's corner has been included for sponsors to highlight new product announcements, new business activities, processes and informative information concerning their company. Please submit any items for inclusion in the newsletter to [sampejohn@yahoo.com](mailto:sampejohn@yahoo.com).

**28Th ANNUAL NJ SAMPE GOLF TOURNAMENT**

- **DATE: JULY 8, 2010 - PICATINNY ARSENAL, NJ**
- **TEE TIME: 11:00 am / COST: Golf and Dinner = \$60.00**
- **Dinner: \$10.00 (Dinner at approximately 5:00 PM)**
- **For Reservations – Contact [sampejohn@yahoo.com](mailto:sampejohn@yahoo.com)**



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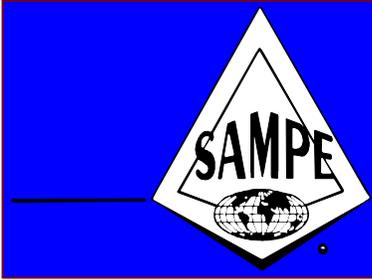
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