

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

NEW JERSEY CHAPTER

**SEPTEMBER NEWSLETTER & MONTHLY NOTICE
OCTOBER 7, 2010 (1ST THURSDAY)**

**IMPROVED PERFORMANCE OF POLYARYL
ETHER AMIDE MATRIX RESINS**

BORYS SCHAFRAN

Business Development Manager

Evonik Degussa Corporation

Parsippany, NJ

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Phone: 973-541-8172

Fax: 973-541-8161

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
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:

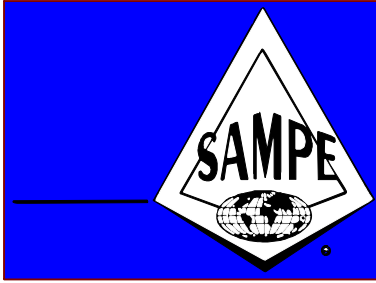
2002, 2003, 2004, 2005, 2006 (award retired after 2006)

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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2009 – 2010 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 – TBD
October 7, 2010 – Improved Performance of Polyaryl Ether Amide Matrix Resins, Borys Schafran, Evonik Degussa Corporation, Parsippany, NJ	April 1, 2011 – TBD
October 11 – 14, 2010 42 st 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
November 4, 2010 – TBD	May 17 – 20, 2011 – 55 th International SAMPE Symposium & Exhibition, Long Beach Convention Center, Long Beach, WA Sponsored by Orange County Chapter
December 2, 2010 – Peter Toohey, Evonik Degussa	June 2, 2011 – TBD
February 3, 2011 – TBD	July 7, 2011 – 28 th Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ

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

SEPTEMBER MEETING

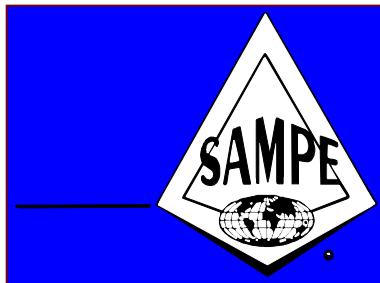
At the September meeting, Mr. Matthew Clark gave an excellent presentation entitled Henkel’s Approach to Reduction to Hexavalent Chrome in Conversion Coatings. The New Jersey Chapter wishes to thank Mr. Matthew Clark for the excellent presentation.

UPCOMING CONFERENCES

**SAMPE 2010 – ISTC – Fall Technical Conference, Salt Lake City, UT
October 11 – 14, 2010, Sponsored by SAMPE Utah Chapter**

JEC 2010 Asia Show – Singapore, October 11 -14, 2010

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



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**IMPROVED PERFORMANCE OF POLYARYL
ETHER AMIDE MATRIX RESINS**

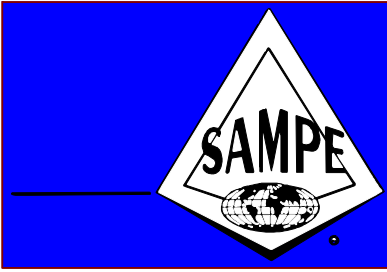
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ABSTRACT:

A new generation of single-component, room-temperature-stable polyaryl ether amide thermoset matrix resins was introduced to the aerospace and electronics industries within the past year. Promising mechanical properties were obtained with this technology. Recent developments led to the discovery of enhanced long-term stability, particularly for hot/wet conditions, while maintaining critical characteristics including glass transition (T_g) and flame-smoke-toxicity (FST) performance. In addition, ease of processing was addressed to lower curing temperatures. An update will be presented with relevance toward fiber-reinforced composite materials.

BIOGRAPHY:

Borys Schafran presently serves as Director, Marketing & Business Development, Industrial Chemicals for Evonik Degussa Corporation, Parsippany, NJ. Schafran leads a team focused on value-added fine chemical intermediates and custom-manufacturing services for the agrochemical and industrial market spaces. He has over 25 years of chemical industry experience with Evonik and Akzo Nobel. Schafran holds a BS in Chemical Engineering and an MS in Polymer Science & Engineering, both from Polytechnic University, Brooklyn, NY



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NEW JERSEY IS NOW ON FACEBOOK

In addition to the Chapter's web page (<http://www.njsampe.org>), a new Facebook page has been launched at

<http://www.facebook.com/pages/NJ-SAMPE/120070431354474?filter=2>

With the popularity of social networking on the rise, NJ SAMPE is reaching out to students and young professionals with an interest in materials engineering. Facebook provides for 'virtual' participation in the activities of our Chapter, as well as a variety of discussions on newsworthy items affecting our industry. The Chapter has been active with monthly meetings and conference sponsorships since 1970, and we wish to expand our presence in the online community. Want to know more? Join the growing group of Facebook members that 'Like' our page and post your own thoughts. We welcome your participation and please, spread the word!

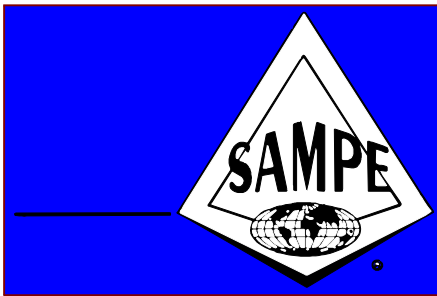
So visit our Facebook Page and get back to us with your recommendations and ideas and critiques. Please send them to Borys Schafran at borys.schafran@evonik.com.

NEW JERSEY SAMPE WEBSITE

Visit www.NJSAMPE.org

We now have a website and we need lots of input and recommendations from you to make it useful. All of our sponsors have links to their sites. If you are a sponsor, please make sure it's linked to the right site. If you are a consultant and want your resume on line, we have a place for that too. Also on the website you will find a history of our chapter and our Bylaws. There's also a history of the Bridge Building contest, going all the way back to when it was only a high school contest.

So visit the website and get back to us with your recommendations and ideas and critiques. Please send them to Howard Kliger at hskliger@comcast.net.



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2010 SAMPE Technical Conference and Exhibits

SAMPE is pleased to announce the co-location of the 2010 SAMPE Fall Technical Conference and Exhibits with the Tooling for Composites Conference 2010 in Salt Lake City, Utah from October 11-14, 2010.

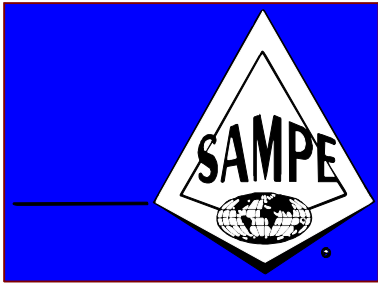
This SAMPE conference offers M&P professionals, engineers, and researchers new applications, materials, and processes developments. Additionally, over 100 companies exhibit to provide you with services and products you need to complete your projects more cost-effectively. With the inclusion of the Tooling for Composites Conference 2010, this fall event is one you can't afford to miss.

Visit the [2010 SAMPE Fall Technical Conference](#) webpage for conference program updates.

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 its educational endeavors such as the Bridge Building Contest at the SAMPE Symposium and Exhibition and hold 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 its 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 your company. Please submit any items for inclusion in the newsletter to me by email at sampejohn@yahoo.com.



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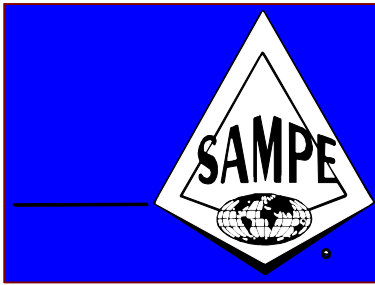
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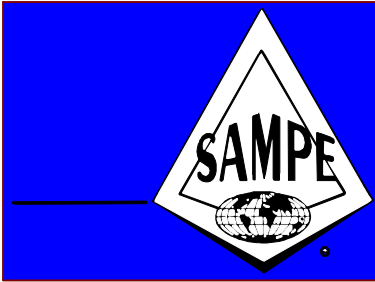
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