



We are Pleased to Present the Featured Guest Speaker for our December 1st Meeting:

Bio-based Polymers and Functional Systems, and Soft Composites for Biomedical Applications

Prof. Giuseppe
Palmese, Drexel
University

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ABSTRACT

The use of plant oils as building blocks for thermoset polymers will be presented with attention to their use as second-phase toughening agents for vinyl esters and epoxies. The ability to heal is a characteristic of living organisms. The durability of these systems could be enhanced if they were endowed with the ability to heal damage that develops during prolonged use. Also discussed will be the development of a fiber-reinforced hydrogel designed to mimic the anisotropic property of the knee meniscus and thus serve as a permanent replacement.

BIOGRAPHY

Giuseppe R. Palmese is Professor and Head of the Department of Chemical and Biological Engineering at Drexel University. His research focuses on processing-structure-property relationships of thermosetting systems. His research topics include: thermosetting polymers, multifunctional systems, interface science, polymers from renewable sources, and materials for biomedical applications. He has more than 100 publications and six patents.

MEETING DETAILS

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

Time: 6:15 – 8:30

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.





2011 – 2012 Meeting Schedule

September 8, 2011 – SGL and BMW joint venture for all carbon fiber frame vehicles, R. Paul, SGL Carbon

October 6, 2011 – Compression Molded Composites for Military Structures, Simon Chung, MSC Corp,

October 17 – 20, 2011 – 43rd International SAMPE Technical Conference. Ft Worth, TX. Sponsored by Dallas/Ft.Worth Chapter

November 3, 2011 –Silanes for MSP and STPUR Hybrid Adhesives, Ramon Sanchez-Morillo, Evonik Degussa Corp.

December 1, 2011 – Bio-based Polymers and Soft Composites for Biomedical Applications, Giuseppe Palmese, Drexel U.

February 2, 2012 – TBD

March 1, 2012 – TBD

April 5, 2012 – TBD

May 3, 2012 – TBD

May 21 – 24, 2012 – 56th International SAMPE Symposium & Exhibition, Baltimore Convention Center, Baltimore, MD
Sponsored by Baltimore/Washington Chapter

June 7, 2012 – TBD

July 12, 2012 – 29th Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ

Please Note:

The NJ Chapter sponsors a student chapter at Drexel University.

The NJ chapter is sponsor of the 44th International SAMPE Technical Conference, Charleston Convention Center, Charleston, SC. – October 22-25, 2012.

In celebration of our 35th Anniversary, NJ Chapter members will receive an appreciation gift at monthly meetings – so plan to attend.



NEWSLETTER

December, 2011

Society for the Advancement of Materials and Process Engineering New Jersey Chapter 35th Anniversary



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