

NEWSLETTER

October, 2011

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



Welcome to the new SAMPE New Jersey Chapter Newsletter.

We will be making improvements to our communications materials over the next few months.

Look for our new website before the end of the year – we'll keep you informed!





We are Pleased to Present the Featured Guest Speaker for our October 6 Meeting:

Compression Molded Composites for Military Structures

Dr. Simon Chung
Senior Engineer
Materials Sciences Corp.
Horsham PA

simon@materials-sciences.com

ABSTRACT

This presentation describes the development of a light weight composite material system to replace metallic structural components used in next generation tactical missile systems. MSC is using discontinuous fiber prepreg materials that can be compression molded and formed into complex structural shapes. Enhancements are derived from utilizing high performance fibers, and/or adding nano-particles to improve stiffness/strength and fracture toughness.

BIOGRAPHY

Simon Chung received a Ph.D. from Drexel in 2003, with an emphasis in structural analysis of composite materials. He joined MSC in 2003 and has been principal investigator and program manager for numerous SBIR programs dealing with compression molding, nanotechnology, non-destructive evaluation, and thermoplastic composites.

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, Robert Paul, SGL Carbon, Punta Gorda, FL

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

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

November 3, 2011 – TBD

December 1, 2011 – TBD

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.



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SAMPE Chapter Service Excellence Award Winner:

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after 2006)

SAMPE Chapter Sponsored Conferences:

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1996 (Anaheim), 1998 (Anaheim), 2002 (Long Beach)

ISTC – 1981 (Mt. Pocono), 1989 (Atlantic City),
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ISEC – 1994 (Parsippany)





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