



**SOCIETY FOR THE ADVANCEMENT
OF MATERIAL AND PROCESS
ENGINEERING
NEW JERSEY CHAPTER**

**APRIL NEWSLETTER & MONTHLY NOTICE
APRIL 1, 2010 (1ST THURSDAY)**

**RUTGER'S CONCRETE CANOE CONSTRUCTION
USING CARBON AND GLASS REINFORCED GRIDS**

PRESENTED BY THE RUTGERS CANOE TEAM

**Daniel Grek
James McCarten
Robert Kudenchak
Johanna Doukakis**

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 10, 2009 – NDE of Multilayered Composites, Nicholas Gianaris, General Dynamics Land Systems, Sterling Heights, MI	March 4, 2010 – Growing Demand for Carbon Fiber Nanotechnology Composite Products and Applications, Dr. Louis A. Pilato, Pilato Consulting, Bound Brook, NJ
October 1, 2009 – Development and Testing of Prestressed Carbon Fiber Composite Overwrapped Gun Tubes, A. G. Littlefield, Benet Laboratories, Watervliet, NY	April 1, 2010 – Rutgers’s Concrete Canoe Construction Using Carbon and Glass Reinforced Grids, Presented by the Rutgers Canoe Team
October 19 – 22, 2009 41 st International SAMPE Technical Conference, Wichita, KS, Sponsored by the New Jersey and Wichita Chapters	May 6, 2010 – TBD
November 5, 2009 – UV Curing Technology Overview and Applications in Composite Structures, Jim Wittig- President- ACTEGA Radcure, Inc	May 17 – 20, 2010 – 54 th International SAMPE Symposium & Exhibition, Washington State Convention Center, Seattle, WA Sponsored by Seattle Chapter
December 3, 2009 – Immiscible Polymer Processing to Produce Structural Materials from Plastic Waste, Tom Nosker- Research Professor – Rutgers University	June 3, 2010 – Nanotechnology 2010, An Update, Dr. Louis A. Pilato, Pilato Consulting, Bound Brook, NJ
February 4, 2010 – High Performance Thermoplastics, Larry Stanislow- Sales Manager- Westlake Plastics	July 8, 2010 – 27 th Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ

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

MARCH MEETING

At the March meeting, Dr. Louis Pilato gave an excellent presentation entitled Growing Demand for Carbon Fiber Nanotechnology Composite Products and Applications. The New Jersey Chapter wishes to thank Dr. Pilato for the excellent presentation.

UPCOMING CONFERENCES

**SAMPE 2010 Europe – Paris, France, April 12 – 14, 2010
Sponsored by SAMPE European Chapter**

2010 JEC – Composite Show, Paris, April 13 – 15, 2010

**SAMPE 2010 – ISS&E – Seattle, WA. May 17 – 20, 2010
Sponsored by SAMPE Seattle Chapter**

**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



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PRESENTED BY THE RUTGERS CANOE TEAM

**Daniel Grek
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ABSTRACT: The 2010 Rutgers ASCE Concrete Canoe team continues a challenge of constructing and presenting a fully functional canoe primarily made of concrete. The team utilizes both commercially produced and handmade composite meshes as flexural support and structural framework for casting. Team captains Daniel Grek and James McCarten, PR Manager Robert Kudenchak and Structural Specialist Johanna Doukakis are the core of the team and will jointly make the presentation, detailing some of the design and construction aspects of the project. The canoe should be fully cured and floatable by the time of this presentation.



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NEW NJ SAMPE WEBSITE

Visit www.NJSAMPE.org

We now have a website. It still needs lots of improvement, but it's a start. 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 even our Bylaws. There's also a history of the Bridge Building contest, going all the way back to when it was only a NJ high school contest.

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

NEW MEMBERS

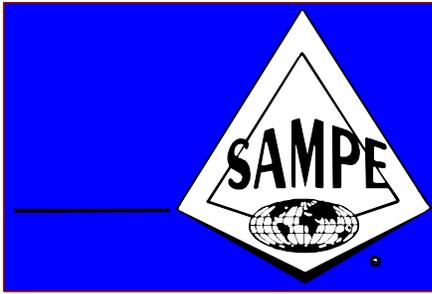
The New Jersey Chapter would like to welcome the following new chapter members:

Jane Arlauskas

Evonik Degussa Corporation

Richard Martin

Robert C Byrd Institute



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SAMPE 2010 – ISS&E – Seattle, WA. May 17 – 20, 2010

2010... a new decade. A fresh start. SAMPE 2010 takes your education and networking experiences to a new level. Capitalize on the possibilities.

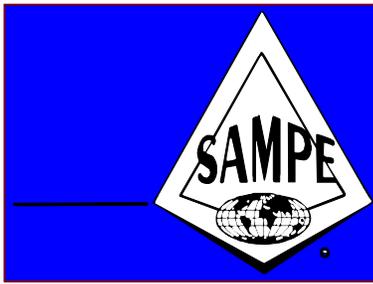
Learn Our exceptional technical program is unrivaled in the field of materials and processes. Prominent speakers, innovators, and leaders bring their experience and expertise to every one of our conference programs. Don't miss this great opportunity.

Sessions Fifty-eight sessions are being offered at SAMPE 2010. Sessions are a collection of technical presentations based on a paper published in our conference proceedings.

Tutorials We're offering eight tutorials, half-day training courses, on a variety of subjects designed for all levels of composites professionals. • Damage Tolerance and Assessment • NanoTechnology ♦♦ Overview and Assessment Nano Technology • Out-of-Autoclave Processing • Dimensional Control and Process Modeling Dimensional Control and Process Modeling Control and Process Modeling • Test Methods for Composites • Composite Repair Technology Test Methods for Composites Composite Repair Technology • Manufacturing Technology • Composite Tooling Composite

Panels Our panels consist of industry leaders and influencers who present and debate on the issues, technology, goals and objectives impacting today's M&P professionals, companies, and educators. • Commercialization of Nanotechnology • Out-of-Autoclave Composite Processing-Challenges and Opportunities Composite Processing - Challenges and Opportunities • Frontiers in Materials and Process Technology in Materials and Process • Advanced Composite Structural Repair Systems for the Future Composite Structural Systems for the Future • Tooling for Composites ♦♦ New Materials and Recent Trends Tooling for Composites Materials and Recent Trends • Benchmarking of Composites Benchmarking of Composites

Please visit the SAMPE Web Site <http://SAMPE2010.sampe.org> for detailed information concerning registration, hotels and the preliminary program.



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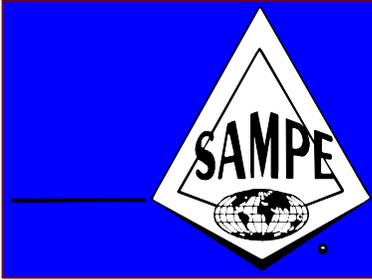
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<p>Automated Dynamics David Hauber 407 Front Street Schenectady, NY 12305 518-377-6471, X226 Fax: 518-377-5628 dhauber@automateddynamics.com www.automateddynamics.com</p>	<p>Coast-Line Int'l Heather O'Rourke 274 Bangor Street Lindenhurst, NY 11757 631-226-0500 X25 Fax: 631-226-5190 heathero@coast-lineintl.com www.coast-lineintl.com</p>	<p>General Magnaplate Edmund Aversenti 1331 US Route 1 Linden, NJ 07036 908-862-6200 Fax: 908-862-6110 eaversenti@magnaplate.com www.magnaplate.com</p>



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