



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

FEBRUARY NEWSLETTER & MONTHLY NOTICE

FEBRUARY 7, 2008 (1ST THURSDAY)

**DAVID HAUBER
AFFORDABLE AUTOMATION FOR ENGINEERED
COMPOSITE STRUCTURES**

**Automated Dynamics
407 Front Street
Schenectady, NY 12305
Phone: 518-377-6471, X226
Fax: 518-377-5628
E-Mail: dhauber@automateddynamics.com**

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.

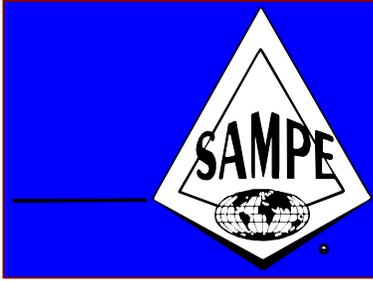
Directions to Bridgewater Manor: From I-287 north, take exit 22A (206 south). Go thru two lights, Bridgewater Manor is on right. From I-287 south, take exit 22. Make right at end of ramp. Make next left, a jughandle to cross 202/206 to go south on 202/206. Go thru three lights, Bridgewater Manor is on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



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2007 – 2008 MEETING SCHEDULE

September 7, 2007 – Toward ‘Advanced Composites Green’, Professor Anil N. Netravali, Cornell University
October 4, 2007 – Plant Tour – General Magnaplate, Linden, NJ
October 29 – November 1, 2007 – 38 th International SAMPE Technical Conference, Cincinnati, OH Sponsored by Midwest Chapter
November 8, 2007 – The use of Titanates and Zirconates in Thermoset Composites with an Emphasis on Nanotechnology, Sal Monte, Kenrich Petrochemicals, Bayonne, NJ
December 13, 2007 – (Meeting Cancelled due to Snow Storm)
February 7, 2008 – Affordable Automation for Engineered Composite Structures, David Hauber, Automated Dynamics, Schenectady, NY
March 6, 2008 – Russell Elkin, Alcan Baltek
April 3, 2008 – Microwave Technology and Composite, Jim Alford
May 1, 2008 – TBD
May 18 - 22, 2008 – 52 nd International SAMPE Symposium & Exhibition, Long Beach Convention Center, Long Beach, CA. Sponsored by Utah and Japan Chapters
June 5, 2008 – TBD
July 10, 2008 – 25 th Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ

THE NEW JERSEY CHAPTER HAS A STUDENT CHAPTER AT DREXEL UNIVERSITY

UPCOMING SAMPE EVENTS

2008 SAMPE International Symposium and Exhibition, Long Beach Convention Center, May 18 – 22, 2008

“MATERIAL AND PROCESS INNOVATIONS CHANGING OUR WORLD”

The Utah and Japan SAMPE Chapters are sponsoring the 2008 ISS&E

2008 International SAMPE Technical Conference, Memphis, Tennessee, September 8 – 11, 2008.

“MULTIFUNCTIONAL MATERIALS WORKING SMARTER TOGETHER: ”

The Michigan SAMPE Chapter is sponsoring the 2008 ISTC



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AFFORDABLE AUTOMATION FOR ENGINEERED COMPOSITE STRUCTURES

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E-Mail:

dhauber@automateddynamics.com

equipment for thermoset or thermoplastic composites “right sized” for your application at an affordable price. Welcome to Automated Dynamics. This presentation will help you to Build Smarter through the understanding of AFP, ATL & thermoplastic composite structures.

BIOGRAPHY:

David Hauber holds degrees in Math, Physics, and Business. Mr. Hauber has over 30 years experience in textile, composite, and robotics R&D. He helped to start Automated Dynamics in 1984 and is currently the Director of Technology.

ABSTRACT:Imagine a perfect world where you could build the optimum structure for a given application. You would use composite materials for their outstanding properties and orient the fibers along structural load paths to maximize these properties. Your computer would automatically generate these paths and download them to a robot that would “draw” the structure onto a mold surface. Seem far-fetched? Welcome to the world of Automated Fiber Placement (AFP) and Automated Tape Laying (ATL). Now imagine that the part was complete when the last strip was placed, without the need to bag or autoclave the structure. Welcome to the world of thermoplastic composite structures. Further, imagine that you could have AFP or ATL



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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 to 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. The chapter was recognized at SAMPE 2002 with an Exemplary Achievement Award and has been awarded the SAMPE Chapter Service Excellence Award for the Years of 2002, 2003, 2004, 2005, and 2006.

During the current fiscal year, the chapter has planned a variety of topics to be presented at our monthly meetings. These topics include: Toward "Advanced Green Composite", A Plant Tour of General Magnaplate, The Use of Titanates and Zirconates in Thermoset Composites with an Emphasis on Nanotechnology. Also, the Chapter will hold its 25TH Annual Golf Tournament on July 10, 2008 at the Picatinny Arsenal Golf Course in New Jersey.

The Chapter is presently exploring the possibility of co-sponsoring the 40th International SAMPE

Technology Conference, scheduled to be held in Wichita, KS in the Fall of 2009.

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.

The New Jersey Chapter of SAMPE is currently in the process of developing a web site. The web site is being planned as a service to the members to provide additional information including all Chapter Newsletters, the Chapter's History and By-laws.

There will also be a page where the Chapter Sponsors can post expanded information concerning their company and product line. Additional information concerning this page will be available shortly.

If your company has any interesting topic or speaker for a future meeting, please notify me and the chapter will try to arrange the presentation in the near future.

If there are any questions, regarding corporate sponsorship, please contact me by email at sampejohn@yahoo.com.



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25TH ANNUAL NEW JERSEY SAMPE GOLF TOURNAMENT

On July 10, 2008 the New Jersey Chapter of SAMPE will conduct its 25th Annual Golf Tournament. Beginning in July 1984, the golf tournament has been held as a chapter event for its members and guests to spend a relaxing day of fun in the sun.

The first few tournaments were held at the Picatinny Arsenal Golf Course, before having to move to another location due to new requirement of having 100 golfers for the tournament to be conducted at Picatinny. The Chapter then went to the Farmstead Golf Course in Sussex County, NJ for several years before moving to the Warren Brook Golf Course in Warren County, NJ, which was centrally located for the Chapter members. In 2002, the Chapter was able to return to the Picatinny Golf Course and has been there for the past several years and again at Picatinny this coming year.

Picatinny Golf Course has a practice facility (chipping, putting, and driving into a net) at the Club House for golfers who arrive early. The course is well maintained and presents a good challenge for the golfer who plans to attend this tournament.

Please reserve July 10, 2008 to attend the Golf Tournament and help the Chapter celebrate the 25th Annual Tournament.

NEW MEMBERS

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

James Bobreski

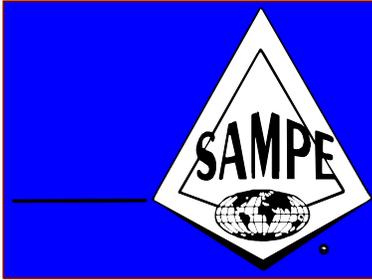
Synchronicity 1

David Hauber

Automated Dynamics

Rani Richardson

**Dassault System
America Corp.**



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EXECUTIVE BOARD

CHAIRMAN:

Benjamin M. Rasmussen
BMR Associates
375 North Drive, Apt. C-8
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bmrassociates@netcarrier.com

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sampejohn@yahoo.com

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Pilato-consulting@att.net

PAST CHAIRMAN:

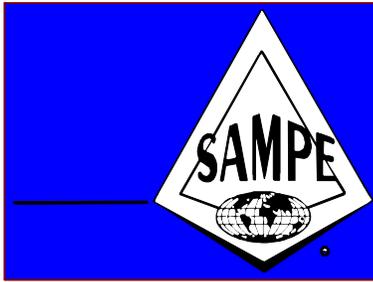
1977 – 1978 Raymond F. Wegman
1978 – 1979 William J. Russell
1979 – 1980 Michael Michno
1980 – 1981 Fred H. Ancker
1981 – 1982 Natalia Chujko
1982 – 1983 Robert J. Narsavage
1983 – 1984 Richard W. Reiter
1984 – 1985 Howard S. Kliger
1985 – 1986 John Burlage
1986 – 1987 John F. Osterndorf
1987 – 1988 Thomas J. Green
1988 – 1989 Harry S. Katz
1989 – 1990 Benjamin M. Rasmussen
1990 – 1991 Harry Tenney
1991 – 1993 Louis A. Pilato
1993 – 1994 John Burlage
1994 – 1995 Richard A. Walther
1995 – 1996 Frans van Anterpen
1996 – 1997 Kathleen A. Froelich
1997 – 1998 Gail D. DiSalvo
1998 – 1999 Ash Chopra
1999 – 2008 Benjamin M. Rasmussen

SAMPE FELLOWS:

1985 Raymond F. Wegman
1987 Dr. Carl H. Zweben
1989 Robert Pickney
1990 Dr. Frank K. Ko
1992 Fred H. Ancker
1993 Leonard Poveromo
1999 Dr. Howard S. Kliger
2001 Dr. Louis A. Pilato
2001 Harry S. Katz

SENIOR HONORARY MEMBERS:

Richard G. Adams
Edward A. Gallagher
Charles N. Muldrow
William D. Timmons
Raymond F. Wegman



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<p>Advanced Chemistry & Tech. Kevin Merlini 325 Cherry Lane Glenside, PA 19038 215-884-3619 Fax: 215-327-3842 kevin.merlini@aerotech.com</p>	<p>A & P Technologies Andrew A. Head 4595 East Tech Drive Cincinnati, OH 45245 513-688-3200 Fax: 513-688-3201 ahead@braider.com www.braider.com</p>	<p>Engineered Fibers Technology Robert E. Evans 25 Brook Street Shelton, CT 06484 203-922-1810, X335 Fax: 203-922-1814 efiberstec@aol.com www.EFTfibers.com</p>
<p>Airtech International, Inc. Peter Grantham 5700 Skylab Road Huntington Beach, CA 95647 714-899-8100 Fax: 714-899-8179 pgrantham@airtechintl.com www.airtechintl.com</p>	<p>Alcan Baltek Corporation Marc A. Anderson 108 Fairway Court Northvale, NJ 07647 201-767-1400 Fax: 201-387-6631 marc.anderson@alcan.com www.alcanbaltek.com</p>	<p>Fabric Development Inc. Mary P. Shafer 1217 Mill Street Quakertown, PA 18951 215-536-1420 mshafer@fabricdevelopment.com www.fabricdevelopment.com</p>
<p>Argosy International Inc. Paul Marks 14 Penn Plaza New York, NY 10001 (212) 268-0003, X101 pmarks@argosychemical.com www.argosychemical.com</p>	<p>Bryte Technologies Chuck Chakrabarti 1235 Beacon Hill Crossing Alpharetta, GA 30005 (770) 475-7977 Fax: (770) 475-7477 cchakrabarti@brytotech.com www.brytotech.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>
<p>Armbruster Associates David C. Armbruster 43 Stockton Road Summit, NJ 07901-3320 908-277-1614 Fax: 277-1573 drdavearn@att.net www.armbrusterassociates.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>Gerber Technology Inc Dudley Fenn 24 W. Industrial Park Road Tolland, CT 06084 860-871-8082 Fax: 860-871-3730 dfenn@gerbertechology.com</p>



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<p>Gentex Corporation Robert Sallavanti PO Box 315 Carbondale, PA 18407 717-282-2814, X214 rsallavanti@gentexcorp.com www.gentex.com</p>	<p>Loctite Corporation Larry Nativi 1524 Valhalla Drive Denver, NC 28037 704-489-8737 Fax: 704-489-8738 larry.nativi@us.henkel.com www.loctite.com</p>	<p>Prince Sports Incorporated Steve Davis One Sportsystem Plaza Bordentown, NJ 08505-7620 609-291-5800 stevedavis@princesports.com www.princesports.com</p>
<p>JFC Technologies Chris Burger 100 W Main St., POB 669 Bound Brook, NJ 08840 732-469-7760 Fax: 732-469-3666 burgerc@jfctechnologies.com www.jfctechnologies.com</p>	<p>Lonza Group Sajal Das 90 Boroline Road Allendale, NJ 07401 201-316-9218 sajal.das@lonza.com www.lonza.com</p>	<p>Utility Development Harry Katz 112 Nylon Road Livingston, NJ 07039-1006 973-994-4334 Fax: 973-994-3341 Harrvskatz@aol.com www.udccorp.com www.radcure.com</p>
<p>Johnson & Johnson Dr. Anthony L. DiSalvo 199 Grandview Road Skillman, NJ 08558-9418 908-874-2548 Fax: 908-874-1688 adisalv@cpcus.jnj.com www.jnj.com</p>	<p>Mektech Composites Inc. Aram Mekjian 40 Strawberry Hill Road Hillsdale, NJ 07642 201-666-4880 Fax: 201-666-4303 mekmail@prodigy.net</p>	<p>3M Aerospace Renee Rainboth 3M Center St. Paul, MN 55144-1000 (856) 769-8565 Fax: (856) 769-8566 rarinboth@mmm.com www.3m.com</p>

