



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

JUNE NEWSLETTER & MONTHLY NOTICE

JUNE 4, 2009 (1ST THURSDAY)

**NANOTECHNOLOGY 2009
AN UPDATE**

**DR. LOUIS A. PILATO
PILATO - CONSULTING
598 WATCHUNG ROAD
BOUND BROOK, NJ 08805-1746
Phone: 732-469-4057
FAX: 732-764-9747
Email: Pilato-consulting@att.net**

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.

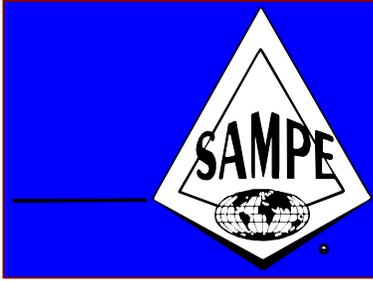
Directions to Bridgewater Manor: From I-287 north, take exit 22A (206 south). Go thru two lights, Bridgewater Manor is on right. From I-287 south, take exit 22. Make right at end of ramp. Make next left, a jughandle to cross 202/206 to go south on 202/206. Go thru three lights, Bridgewater Manor is on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

The May meeting of the NJ Chapter, Mr. Michael Duer of Sensor products gave a demonstration on Pressurex® - A Mylar Based Film. Mr. Duer demonstrated how the film is used as pressure indicating sensor film between any two surfaces that touch, mate or impact. Apply pressure, remove it and immediately the film reveals the pressure distribution profile that occurred between the two surfaces.

The New Jersey Chapter wishes to thank Mr. Michael Duer for the excellent presentation.

UPCOMING SAMPE EVENTS

2009 International SAMPE Technical Conference, Wichita, KS, October 19 – 22, 2009

“GLOBAL MATERIAL TECHNOLOGY SOARING TO NEW HORIZON”

The New Jersey and Wichita Chapters are co-sponsoring the 2009 ISTC

2010 SAMPE International Symposium and Exhibition, Washington State Convention Center, May 17 – 20, 2010, Seattle, WA.

The Seattle SAMPE Chapter is sponsoring the 2010 ISS&E

| 2008 – 2009 MEETING SCHEDULE |
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| September 8 – 11, 2008 – 40 th International SAMPE Technical Conference, Memphis, TN Sponsored by Great Lakes Chapter |
| October 2, 2008 – FRP Strengthening of the Concrete Pier at the Naval Station Earle at Sandy Hook NJ, Dr. Howard S. Klinger, H. S. Klinger & Associates |
| November 6, 2008 – Tour of Alcan/Baltek Facility, Northvale, NJ |
| December 4, 2008 – The Role of Fragrance in Consumer Products, Lauren Castelli, Givaudan Corporation |
| February 5, 2009 – Advances in Acoustic Emission, Terry Tamutus, Physical Acoustics Corporation, Princeton Junction, NJ |
| March 5, 2009 – Methacrylate Adhesives, Paul Allibone, Adhesive Systems, Inc, Frankfort, IL |
| April 2, 2009 – Steel/Composite Hybrid Ships Soon Hits the Water, Prof. Joachim L. Grenestedt, Lehigh University, Bethlehem, PA |
| May 7, 2009 – Election of Officers – TBD Demonstration of Pressurex® - A Mylar Based Film, Michael Duer, Sensor Products, Madison, NJ |
| May 18 - 21, 2009 – 53 rd International SAMPE Symposium & Exhibition, Baltimore Convention Center, Baltimore, MD Sponsored by Baltimore/Washington, Midwest and Ohio Chapters |
| June 4, 2009 – Nanotechnology 2009, An Update, Dr. Louis A. Pilato, Pilato Consulting, Bound Brook, NJ |
| July 9, 2009 – 26 th Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ |

THE NEW JERSEY CHAPTER HAS A
STUDENT CHAPTER AT DREXEL
UNIVERSITY



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NANOTECHNOLOGY 2009 AN UPDATE

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ABSTRACT:

Nanotechnology continues to maintain a high profile as new nanomaterials and commercial applications are reported. Different nanoclays, carbon nanotubes including the recent new carbon allotrope, graphene, will be discussed along with apparent differences of these nanomaterials as well as several commercial applications in automotive, sports, wind energy, barrier materials, coatings, cosmetics, even washing machines!

BIOGRAPHY:

Dr. Louis Pilato is Pilato Consulting and specializes in Nanotechnology, Resin Matrix Systems, and Phenolic Resin Technology. He also collaborates with Professor Joseph Koo of the University of Texas at Austin in many Nanotechnology areas requiring thermosetting and thermoplastic resins along with selective nanoparticles. Specific application areas include nanocomposites for high temperature ablative systems for rocket nozzles, nanomodified carbon carbon composites, and nanomodified polyamide resin systems for SLS.



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41ST INTERNATIONAL SAMPE TECHNICAL CONFERENCE SAMPE 2009 – WICHITA

The SAMPE Fall Technical Conference, scheduled for October 19 – 22, in Wichita, Kansas, that is being sponsored by the New Jersey and Wichita Chapters of SAMPE is moving along at a rapid pace.

The number of abstracts received now has exceeded the goal. Arrangements for the two Keynote Speakers and the five Panel Session Speakers have been finalized. The sale of exhibit space is ahead of schedule and already is above the budgeted amount. The positioning of sessions is now underway.

Credit needs to be given to all the committee members and advisors, including: Louis Pilato, Howard Kliger, Brad Lucht, Tim Chavez, Melanie Violette, Darrel Dugan, John Osterndorf, Peter Wu, Bill Washburn, John Tomblin, Len Poveromo, Tracee Friess, Borys Schafran, Tony Constantino, and Ben Rasmussen.

Other items in the planning stages include tours of Spirit Aerospace, Hawker Beechcraft and NIAR (National Institute for Aviation Research) at Wichita State Univ., speaker gifts, and identification of a speaker for the Thursday luncheon to **discuss** aviation history in Wichita. One good indication that this will be a successful conference is that reservations for exhibit space

for the event are almost filled, and a filled exhibit almost guarantees a financially successful conference.

If anyone is interested in reviewing technical papers that will be submitted for the Wichita meeting, please have them contact Dr. Howard Kliger or Dr. Louis Pilato. Their email addresses and phone numbers are on page 6 of the newsletter.

Overall, good progress and planning continues, and both chapters appear to be on schedule for all the nearing deadlines.

26TH ANNUAL NEW JERSEY SAMPE GOLF TOURNAMENT

On July 9, 2009 the New Jersey Chapter of SAMPE will conduct its 26th 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.

A dinner will be held after the golf tournament at the newly renovated Picatinny Golf Pub.

Please reserve July 9, 2008 to attend the Golf Tournament and help the Chapter celebrate the 26th Annual Tournament. Please contact John Osterndorf at sampejohn@yahoo.com or 973-248-5885 for reservations.



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YEARS OF SERVICE

The Executive Board would like to recognize the following members for their years of service:

5 YEARS

| | |
|--------------------|-------------------------|
| J B Allred | Allred & Associates |
| Andrew Littlefield | US Army RDECOM-ARDEC |
| Brian Rice | ITW Philadelphia Resins |

10 YEARS

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| Ed Aversenti | General Magnaplate |
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25 YEARS

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| Joseph Pantalone | Alcan Altek Corp |
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30 YEARS

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| John Osterndorf | US Army RDECOM-ARDEC |
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35 YEARS

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| Robert Golick | Henkel Aerospace |
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40 YEARS

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|-----------------|------------------------|
| Richard Saffadi | R Saffadi - Consultant |
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NEW MEMBERS

| | |
|---------------------|---------------------|
| <i>Tan-Hung Hou</i> | <i>NASA Langley</i> |
|---------------------|---------------------|

Cory Larsen

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| <i>Alfred Sagarese</i> | <i>Forrestal Consultants</i> |
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| <i>Charles Williams</i> | <i>Tlastomer Technologies</i> |
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| <i>David Young</i> | <i>Russell Plastics Tech</i> |
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ELECTION OF OFFICERS

FOR 2008 – 2009 Fiscal Year

At the May Meeting of the New Jersey Chapter of SAMPE, the following slate of candidates were elected for the next Fiscal Year 2008 – 2009:

| | |
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| Chairman: | Ben Rasmussen |
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| Vice Chairman: | Gail DiSalvo |
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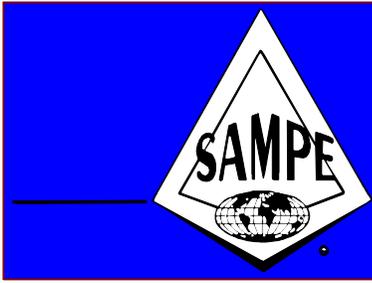
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| Treasurer: | John Osterndorf |
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| Secretary: | Borys Schafran |
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| Directors: | Howard Kliger |
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| | Louis Pilato |
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| | Ben Rasmussen |
|--|---------------|



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EXECUTIVE BOARD

CHAIRMAN:

Benjamin M. Rasmussen
BMR Associates
908-561-0796/fax: 908-753-7917
bmassociates@netcarrier.com

VICE CHAIRMAN:

Gail D. DiSalvo
GTD Consulting
908-953-0849/fax: 908-766-6373
disalvogail@aol.com

TREASURER:

John F. Osterndorf
973-248-5885 (cell)
sampejohn@yahoo.com

SECRETARY:

Borys Schafran
Evonik Degussa Corporation
Tel 973-541-8172/fax 973-541-8161
borys.schafran@evonik.com

PROGRAMS:

Tony Constantino
Coast Line International
516-532-3831
Tconstantino2@yahoo.com

DIRECTORS:

Howard S. Kliger
H. S. Kliger & Associates, Inc.
732-469-7646/fax: 732-469-6641
hskliger@comcast.net

Louis A. Pilato
Pilato - Consulting
732-469-4057/fax: 732-764-9747
Pilato-consulting@att.net

Benjamin M. Rasmussen
BMR Associates
908-561-0796/fax: 908-753-7917
bmassociates@netcarrier.com

PAST CHAIRMAN:

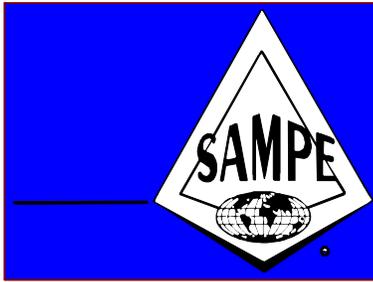
1977 – 1978 Raymond F. Wegman
1978 – 1979 William J. Russell
1979 – 1980 Michael Michno
1980 – 1981 Fred H. Ancker
1981 – 1982 Natalia Chujko
1982 – 1983 Robert J. Narsavage
1983 – 1984 Richard W. Reiter
1984 – 1985 Howard S. Kliger
1985 – 1986 John Burlage
1986 – 1987 John F. Osterndorf
1987 – 1988 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 – 2009 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>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>Evonik Degussa Corporation Borys Schafran 379 Interpace Parkway Parsippany, NJ 07054 973-541-8172 Fax: 973-541-8161 borys.schafran@evonik.com www.evonik.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@brytetechnology.com www.brytetechnology.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>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> |
| <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>Gerber Technology Inc Dudley Fenn 24 W. Industrial Park Road Tolland, CT 06084 860-871-8082 Fax: 860-871-3730 dfenn@gerbertechnology.com</p> |



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|--|---|---|
| <p>GTD Consulting Gail DiSalvo 127 Rippling Brook Way Bernardsville, NJ 07924 908-953-0849 Fax: 908-766-6373 gail.disalvo@att.net</p> | <p>Loctite Aerospace Robert Golick 16 Union Street Medford, NJ 08055-2438 609-654-1651 Fax: 609-654-1151 rgolick@loctite.com www.aerospace.henkel.com</p> | <p>Northern Fiber Glass Sales Richard Hewitt PO Box 2010 Hampton, NH 03843-2010 603-926-1910, ext. 16 Fax: 603-926-0598 rvh@nfgsales.com www.NFGSales.com</p> |
| <p>Gentex Corporation PO Box 315 Carbondale, PA 18407 717-282-2814, X214 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 Advantage Court Bordentown, NJ 08505-7620 609-291-5800 stevedavis@princesports.com www.princesports.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>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 Harryskatz@aol.com www.udccorp.com www.radcure.com</p> |
| <p>Kenrich Petrochemicals Mr. Salvatore J. Monte 140 East 22nd St., POB 32 Bayonne, NJ 07002 201-823-9000 Fax: 201-823-0691 sjmonte@4kenrich.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> |

