

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

**FEBRUARY NEWSLETTER & MONTHLY NOTICE**

**FEBRUARY 5, 2009 (1<sup>ST</sup> THURSDAY)**

**ADVANCES IN ACOUSTIC EMISSION**

**TERRY TAMUTUS  
PHYSICAL ACOUSTICS CORPORATION  
195 CLARKSVILLE ROAD  
PRINCETON JUNCTION, NJ 08550  
PHONE: 609-716-400  
FAX: 609-717-0706  
CELL: 609-468-5737  
Email: Terry.Tamutus@mistrasgroup.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](mailto:sampejohn@yahoo.com)  
by noon the Wednesday before the meeting.

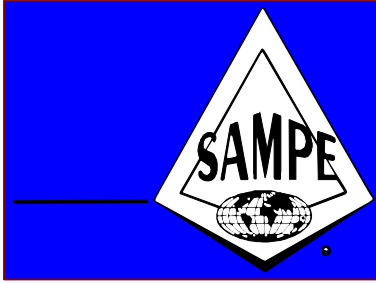
**Directions to Bridgewater Manor:** From I-287 north, take exit 22A (206 south). Go thru two lights, Bridgewater Manor is on right. From I-287 south, take exit 22. Make right at end of ramp. Make next left, a jughandle to cross 202/206 to go south on 202/206. Go thru three lights, Bridgewater Manor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



## NEW JERSEY CHAPTER SAMPE FEBRUARY NEWSLETTER

Page 2

### 2008 – 2009 MEETING SCHEDULE

September 8 – 11, 2008 – 40 <sup>th</sup> 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. Kliger, H. S. Kliger & 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 – TBD
April 2, 2009 – TBD
May 7, 2009 – Election of Officers – TBD
May 18 - 21, 2009 – 53 <sup>rd</sup> International SAMPE Symposium & Exhibition, Baltimore Convention Center, Baltimore, MD Sponsored by Baltimore/Washington, Midwest and Ohio Chapters
June 4, 2009 – TBD
July 9, 2009 – 26 <sup>th</sup> Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ

**THE NEW JERSEY CHAPTER HAS A  
STUDENT CHAPTER AT DREXEL  
UNIVERSITY**

### DECEMBER MEETING

The December meeting of the NJ Chapter, Ms. Lauren Castelli gave a presentation, The Role of Fragrances in Consumer products. Ms. Castelli described the uses of fragrances in consumer products and perfumery.

The New Jersey Chapter wishes to thank Ms. Lauren Castelli for the excellent presentation.

### UPCOMING SAMPE EVENTS

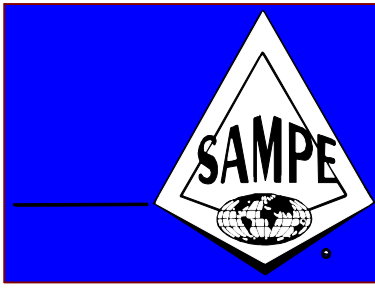
2009 SAMPE International Symposium and Exhibition, Baltimore Convention Center, May 18 – 21, 2009, Baltimore, MD

### “LEVERAGING M&P TECHNOLOGIES FOR A GREENER FUTURE”

The Baltimore/Washington, Midwest and Ohio SAMPE Chapters are sponsoring the 2009 ISS&E 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



**NEW JERSEY CHAPTER SAMPE  
FEBRUARY NEWSLETTER**

**Page 3**

**ADVANCES IN ACOUSTIC  
EMMISSION**

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**Email:**

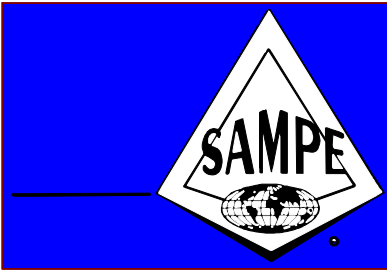
**[Terry.Tamutus@mistrasgroup.com](mailto:Terry.Tamutus@mistrasgroup.com)**

**ABSTRACT:**

Acoustic Emission, Ultrasonics, Acousto-Ultrasonics, Non-contact ultrasonics and thermal-line-scan imaging are non-destructive testing methods used for composites inspection and quality control. These methods can be used in the field or in manufacturing. This presentation will discuss these methods during specific applications from Boeing, NASA, FAA, SAAB, Universities, AirBus, DoD such as: SAPI (bullet proof vest plates), composite tank armor, metal matrix composites, Grippen composite fighter, bridge decks, composite aircraft panels, wind turbine blades, Structural Health Monitoring, petro-chem tanks, Aerial lifts. These are non-commercial presentations discussing successful applications.

**BIOGRAPHY:**

Terry Tamutus is the Director of Sales at Physical Acoustics Corp. He has been involved in Acoustic Emission and Ultrasonic applications for the past 20 years. Terry is a Corporate Level II at PAC. He has worked in R&D, applications, field testing, training and manufacturing/instrumentation design for the past 18 years. In addition to ASNT, he has made presentations at universities, US Government agencies such as DoD, FAA, NASA, FHWA and companies including Boeing, Seagate, Power Generation and Refineries. He has authored several papers on Acoustic Emission. This presentation will cover advances in Acoustic Emission.



## NEW JERSEY CHAPTER SAMPE FEBRUARY NEWSLETTER

### Page 4

### **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 hold monthly technical meetings. The New Jersey Chapter will be sponsoring the 2009 Fall Technical Conference with the Wichita Chapter in October 2009 in Wichita, KS. 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.

During the current fiscal year, the chapter has planned a variety of topics to be presented at our monthly meetings. These topics include: FRP Strengthening of the Concrete Pier at the Naval station Earle at Sandy Hook, A Plant Tour of Alacn Baltek and Prefumery and Consumer Products. Also, the Chapter will hold its 26<sup>TH</sup> Annual Golf Tournament on July 9, 2009 at the Picatinny Arsenal Golf Course in New Jersey.

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](mailto:sampejohn@yahoo.com).

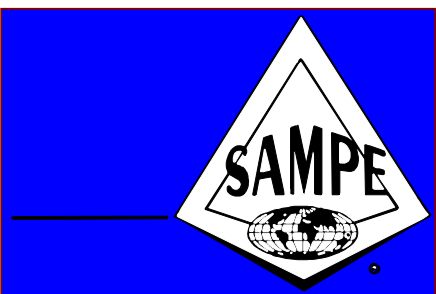
The New Jersey Chapter of SAMPE is currently in the process of developing a web site. The web site is being planned as a service to the members to provide additional information including all Chapter Newsletters, the Chapter's History and By-laws.

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.

Enclosed is an invoice for \$400 for continued sponsorship of the chapter for the 2008 – 2009 fiscal year.

If you have any questions, regarding your corporate sponsorship, please email me at [sampejohn@yahoo.com](mailto:sampejohn@yahoo.com).



## NEW JERSEY CHAPTER SAMPE DECEMBER NEWSLETTER

Page 5

### 41<sup>ST</sup> INTERNATIONAL SAMPE TECHNICAL CONFERENCE SAMPE 2009 – WICHITA

#### SAMPE Heads for Wichita “Air Capital of the World” EXHIBITS

SAMPE’s 2009 fall exhibition will be in Wichita, Kansas on October 20-21, 2009. Recognized for extraordinary strength in aircraft and aerospace manufacturing, Wichita also is a strong regional composites center.

SAMPE exhibitors in Wichita can expect unprecedented exposure to both aircraft and engineered materials. You will experience face-to-face encounters with Airbus, Boeing, Bombardier/Learjet, Cessna Aircraft, Hawker Beechcraft and Spirit Aerosystems, among many others. Limited exhibiting space is expected to result in an exhibit hall sell-out so early sign-up for exhibit space is strongly recommended.

#### Do Not Hesitate – Reserve Your Space Now!

Attendees and exhibitors agree that our technical trade show environment lends to conversations

that turn into new business. Select a 8’x10’ booth or 6ft. tabletop with prices starting at just \$850. Here’s what some prior fall tech exhibitors have to say:

“Quality traffic – no wasted time” “Pleased with the Technical Attendees” “High quality contacts” “Very productive” “Generated great leads” “Great exposure”

“Worth the investment” “Cost-effective venue” “Very productive”

#### Exhibit Set Up

Monday Oct. 19, 2009; 12:00 noon – 5:00 p.m.

#### Exhibit Hall Hours

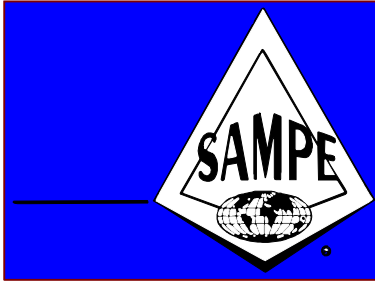
Tuesday & Wednesday Oct. 20-21, 2009  
10:00 a.m. – 4:00 p.m.

#### Move Out

Wednesday Oct. 21, 2009; 4:00 p.m. – 8:00 p.m.

**Exhibitor Packages Include:** one free conference registration, (a \$695 value), post conference attendee mailing list, free electronic exhibit hall passes, company description in Final Program plus unlimited exposure to highly qualified buyers.

**To reserve your exhibit space at the Century II Convention center in Wichita, complete the enclosed Contract for Exhibit Space and fax it to Karen at +1 626.966.4318.**



## NEW JERSEY CHAPTER SAMPE FEBRUARY NEWSLETTER

Page 6

### EXECUTIVE BOARD

#### **CHAIRMAN:**

**Benjamin M. Rasmussen**  
BMR Associates  
908-561-0796/fax: 908-753-7917  
[bmrassociates@netcarrier.com](mailto:bmrassociates@netcarrier.com)

#### **VICE CHAIRMAN:**

**Gail D. DiSalvo**  
GTD Consulting  
908-953-0849/fax: 908-766-6373  
[disalvogail@aol.com](mailto:disalvogail@aol.com)

#### **TREASURER:**

**John F. Osterndorf**  
973-248-5885 (cell)  
[sampejohn@yahoo.com](mailto:sampejohn@yahoo.com)

#### **SECRETARY:**

**Borys Schafran**  
Evonik Degussa Corporation  
Tel 973-541-8172/fax 973-541-8161  
[borys.schafran@evonik.com](mailto:borys.schafran@evonik.com)

#### **PROGRAMS:**

**Tony Constantino**  
Coast Line International  
516-532-3831  
[Tconstantino2@yahoo.com](mailto:Tconstantino2@yahoo.com)

#### **DIRECTORS:**

**Howard S. Kliger**  
H. S. Kliger & Associates, Inc.  
732-469-7646/fax: 732-469-6641  
[hskliger@comcast.net](mailto:hskliger@comcast.net)

**Louis A. Pilato**  
Pilato - Consulting  
732-469-4057/fax: 732-764-9747  
[Pilato-consulting@att.net](mailto:Pilato-consulting@att.net)

**Benjamin M. Rasmussen**  
BMR Associates  
908-561-0796/fax: 908-753-7917  
[bmrassociates@netcarrier.com](mailto:bmrassociates@netcarrier.com)

#### **PAST CHAIRMAN:**

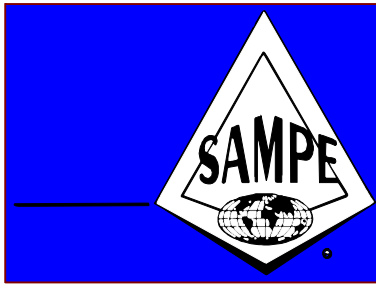
1977 – 1978 Raymond F. Wegman  
1978 – 1979 William J. Russell  
1979 – 1980 Michael Michno  
1980 – 1981 Fred H. Ancker  
1981 – 1982 Natalia Chujko  
1982 – 1983 Robert J. Narsavage  
1983 – 1984 Richard W. Reiter  
1984 – 1985 Howard S. Kliger  
1985 – 1986 John Burlage  
1986 – 1987 John F. Osterndorf  
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

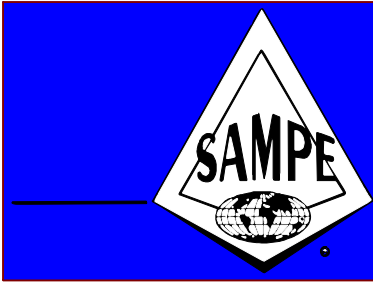
#### **SENIOR HONORARY MEMBERS:**

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



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Page 7**

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<p><b>Argosy International Inc.</b> Paul Marks 14 Penn Plaza New York, NY 10001 (212) 268-0003, X101 <a href="mailto:pmarks@argosychemical.com">pmarks@argosychemical.com</a> <a href="http://www.argosychemical.com">www.argosychemical.com</a></p>	<p><b>Bryte Technologies</b> Chuck Chakrabarti 1235 Beacon Hill Crossing Alpharetta, GA 30005 (770) 475-7977 Fax: (770) 475-7477 <a href="mailto:cchakrabarti@brytetechnology.com">cchakrabarti@brytetechnology.com</a> <a href="http://www.brytetechnology.com">www.brytetechnology.com</a></p>	<p><b>Fabric Development Inc.</b> Mary P. Shafer 1217 Mill Street Quakertown, PA 18951 215-536-1420 <a href="mailto:mshafer@fabricdevelopment.com">mshafer@fabricdevelopment.com</a> <a href="http://www.fabricdevelopment.com">www.fabricdevelopment.com</a></p>
<p><b>Automated Dynamics</b> David Hauber 407 Front Street Schenectady, NY 12305 518-377-6471, X226 Fax: 518-377-5628 <a href="mailto:dhauber@automateddynamics.com">dhauber@automateddynamics.com</a> <a href="http://www.automateddynamics.com">www.automateddynamics.com</a></p>	<p><b>Coast-Line Int'l</b> Heather O'Rourke 274 Bangor Street Lindenhurst, NY 11757 631-226-0500 X25 Fax: 631-226-5190 <a href="mailto:heathero@coast-lineintl.com">heathero@coast-lineintl.com</a> <a href="http://www.coast-lineintl.com">www.coast-lineintl.com</a></p>	<p><b>General Magnaplate</b> Edmund Aversenti 1331 US Route 1 Linden, NJ 07036 908-862-6200 Fax: 908-862-6110 <a href="mailto:eaversenti@magnaplate.com">eaversenti@magnaplate.com</a> <a href="http://www.magnaplate.com">www.magnaplate.com</a></p>
<p><b>A &amp; P Technologies</b> Andrew A. Head 4595 East Tech Drive Cincinnati, OH 45245 513-688-3200 Fax: 513-688-3201 <a href="mailto:ahead@braider.com">ahead@braider.com</a> <a href="http://www.braider.com">www.braider.com</a></p>	<p><b>Engineered Fibers Technology</b> Robert E. Evans 25 Brook Street Shelton, CT 06484 203-922-1810, X335 Fax: 203-922-1814 <a href="mailto:efiberstec@aol.com">efiberstec@aol.com</a> <a href="http://www.EFTfibers.com">www.EFTfibers.com</a></p>	<p><b>Gerber Technology Inc</b> Dudley Fenn 24 W. Industrial Park Road Tolland, CT 06084 860-871-8082 Fax: 860-871-3730 <a href="mailto:dfenn@gerbertechnology.com">dfenn@gerbertechnology.com</a></p>



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Page 8

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<p><b>Gentex Corporation</b> PO Box 315 Carbondale, PA 18407 717-282-2814, X214 <a href="http://www.gentex.com">www.gentex.com</a></p>	<p><b>Loctite Corporation</b> Larry Nativi 1524 Valhalla Drive Denver, NC 28037 704-489-8737 Fax: 704-489-8738 <a href="mailto:larry.nativi@us.henkel.com">larry.nativi@us.henkel.com</a> <a href="http://www.loctite.com">www.loctite.com</a></p>	<p><b>Prince Sports Incorporated</b> Steve Davis One Sportsystem Plaza Bordentown, NJ 08505-7620 609-291-5800 <a href="mailto:stevedavis@princesports.com">stevedavis@princesports.com</a> <a href="http://www.princesports.com">www.princesports.com</a></p>
<p><b>Johnson &amp; Johnson</b> Dr. Anthony L. DiSalvo 199 Grandview Road Skillman, NJ 08558-9418 908-874-2548 Fax: 908-874-1688 <a href="mailto:adisalv@cpcus.jnj.com">adisalv@cpcus.jnj.com</a> <a href="http://www.jnj.com">www.jnj.com</a></p>	<p><b>Lonza Group</b> Sajal Das 90 Boroline Road Allendale, NJ 07401 201-316-9218 <a href="mailto:sajal.das@lonza.com">sajal.das@lonza.com</a> <a href="http://www.lonza.com">www.lonza.com</a></p>	<p><b>Utility Development</b> Harry Katz 112 Nylon Road Livingston, NJ 07039-1006 973-994-4334 Fax: 973-994-3341 <a href="mailto:Harrvskatz@aol.com">Harrvskatz@aol.com</a> <a href="http://www.udccorp.com">www.udccorp.com</a> <a href="http://www.radcure.com">www.radcure.com</a></p>
<p><b>Kenrich Petrochemicals</b> Mr. Salvatore J. Monte 140 East 22<sup>nd</sup> St., POB 32 Bayonne, NJ 07002 201-823-9000 Fax: 201-823-0691 <a href="mailto:sjmonte@4kenrich.com">sjmonte@4kenrich.com</a></p>	<p><b>Mektech Composites Inc.</b> Aram Mekjian 40 Strawberry Hill Road Hillsdale, NJ 07642 201-666-4880 Fax: 201-666-4303 <a href="mailto:mekmail@prodigy.net">mekmail@prodigy.net</a></p>	<p><b>3M Aerospace</b> Renee Rainboth 3M Center St. Paul, MN 55144-1000 (856) 769-8565 Fax: (856) 769-8566 <a href="mailto:rarainboth@mmm.com">rarainboth@mmm.com</a> <a href="http://www.3m.com">www.3m.com</a></p>



