

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

**MAY NEWSLETTER & MONTHLY NOTICE**

**MAY 7, 2009 (1<sup>ST</sup> THURSDAY)**

**DEMONSTRATION OF PRESSUREX® -  
A MYLAR BASED FILM**

**MICHAEL DUER  
APPLICATION SPECIALIST  
SENSOR PRODUCTS INC. USA  
300 MADISON AVE, SUITE 100  
MADISON, NJ 07940  
PHONE: 973-884-1755 x5008  
FAX: 973-884-1699  
Email: [mduer@sensorprod.com](mailto:mduer@sensorprod.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.

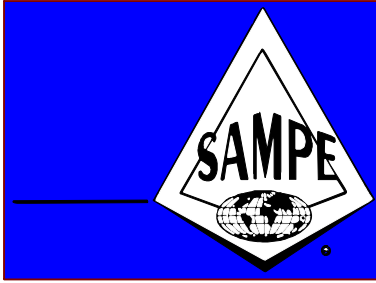
**Directions to Bridgewater Manor:** From I-287 north, take exit 22A (206 south). Go thru two lights, Bridgewater Manor is on right. From I-287 south, take exit 22. Make right at end of ramp. Make next left, a jughandle to cross 202/206 to go south on 202/206. Go thru three lights, Bridgewater Manor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



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### APRIL MEETING

The April meeting of the NJ Chapter, Prof. Joachim L. Grenestedt gave a presentation, *Steel/Composite Hybrid Ships Soon Hits the Water*. Prof. Grenestedt described the work the Office of Naval Research (ONR) has funded intensive research on combining steel and composites to create lightweight, high strength, and highly efficient Naval structures.

The New Jersey Chapter wishes to thank Prof. Joachim L. Grenestedt 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”

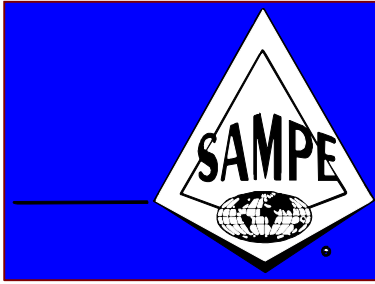
The Baltimore/Washington, Midwest and Ohio SAMPE Chapters are sponsoring the 2009 ISS&E 2009 International SAMPE Technical Conference, Wichita, KS, October 19 – 22, 2009

### GLOBAL MATERIAL TECHNOLOGY SOARING TO NEW HORIZONS

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

<b>2008 – 2009 MEETING SCHEDULE</b>
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. 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 – Demonstration of Pressurex® - A Mylar Based Film, Michael Duer, Sensor Products, Madison, NJ
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**



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### **DEMONSTRATION OF PRESSUREX® - A MYLAR BASED FILM**

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#### ABSTRACT:

Pressurex® is a mylar based film that contains a layer of tiny microcapsules. The application of force upon the film causes the microcapsules to rupture, producing an instantaneous and permanent high resolution “topographical” image of pressure variation across the contact area.

Simply place Pressurex® 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. Conceptually similar to Litmus paper, the color intensity of Pressurex® is directly related to the amount of pressure applied to it. The greater the pressure, the more intense the color will get

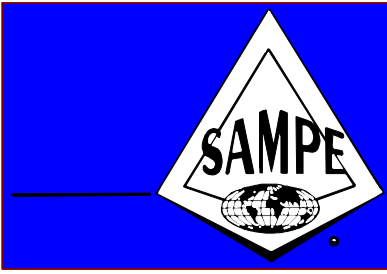
Sensor Products Inc. is a world leader in the niche field of tactile surface pressure and force sensors. Established in 1990 and based in Madison NJ, our

privately-held firm has over 25 talented professionals. Our sensors are thin film elements that reveal actual contact (interfacial) pressure and distribution between any two mating or impacting surfaces.

Our products are analytical tools used in the manufacturing and R&D processes by engineers and technicians. We offer customized and off-the-shelf systems which are installed within all of the Fortune 500 industrial companies as well as thousands of smaller manufacturing firms. We have representatives in 15 countries..

#### BIOGRAPHY:

Michael Duer is an Application Specialist in sales for Sensor Products. He has worked for Sensor products for a little over 2 years.



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

Panning for the Wichita ISTC by NJ and Wichita chapters is progressing well. Over 200 abstracts have been received. In addition 5 panel sessions and 3 featured lectures and 2 keynote speakers complete the technical program. The technical committee co-chairs are Louis Pilato, Howard Kliger, Brad Lucht, and Tim Chavez.

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.

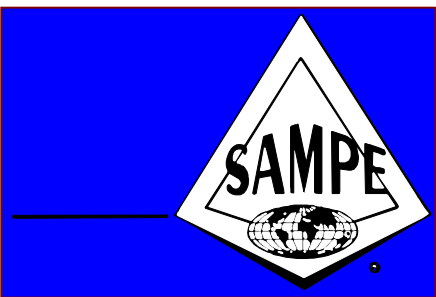
Overall, good progress and planning continues, and both chapters appear to be on schedule for all the nearing deadlines

### 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.

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



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### **26<sup>TH</sup> ANNUAL NEW JERSEY SAMPE GOLF TOURNAMENT**

On July 9, 2009 the New Jersey Chapter of SAMPE will conduct its 26<sup>th</sup> 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 9, 2008 to attend the Golf Tournament and help the Chapter celebrate the 26th Annual Tournament that turn into new business.

### **NEW MEMBERS**

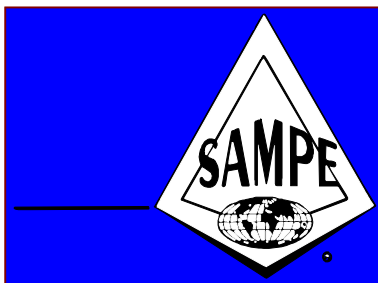
*Paul Cyleneica*      *Seal*  
  
*Daniel Haggerty*      *Virtual View, Inc*  
  
*Dr. Amir Islam*      *Bally Ribbons Film*  
  
*William Meiklejohn*      *Lancier Systems*  
  
*Malcolm Rosenow*      *AGY*

### **ELECTION OF OFFICERS**

#### **FOR 2009 – 2010 Fiscal Year**

At the April Board of Directors Meeting of the New Jersey Chapter of SAMPE, the following slate of candidates were proposed for the next Fiscal Year 2009–2010:

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



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### EXECUTIVE BOARD

#### **CHAIRMAN:**

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

#### **PAST CHAIRMAN:**

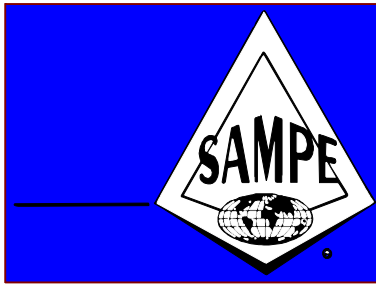
1977 – 1978 Raymond F. Wegman  
1978 – 1979 William J. Russell  
1979 – 1980 Michael Michno  
1980 – 1981 Fred H. Ancker  
1981 – 1982 Natalia Chujko  
1982 – 1983 Robert J. Narsavage  
1983 – 1984 Richard W. Reiter  
1984 – 1985 Howard S. Kliger  
1985 – 1986 John Burlage  
1986 – 1987 John F. Osterndorf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

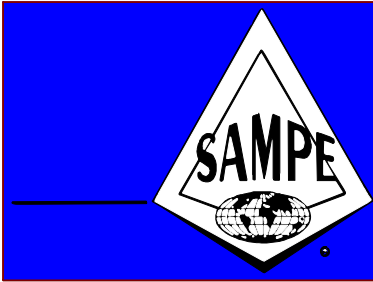
#### **SENIOR HONORARY MEMBERS:**

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



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<p><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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<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 Advantage Court 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>



