



**SOCIETY FOR THE ADVANCEMENT
OF MATERIAL AND PROCESS
ENGINEERING**

NEW JERSEY CHAPTER

JUNE NEWSLETTER & MONTHLY NOTICE

JUNE 3, 2010 (1ST THURSDAY)

**DIGITAL IMAGE CORRELATION – FULL FIELD OPTICAL 3D
DEFORMATION AND STRAIN MEASUREMENT, FROM TEST LAB TO FIELD**

**Eric Schwartz
Applications Engineer
Trilion Quality Systems
500 Davis Drive, Suite 200
Plymouth Meeting, PA 19462
Schwartz@Trilion.com
Phone: 215-710-3000
Fax: 215-710-3001**

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 – Process Considerations that Enhance the Commercial Viability of Radiation Cured Fiber Reinforced Composites, Anthony Berejka. Ionicorp
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 – Digital image Correlation – Full-field Optical 3D Deformation and Strain Measurement, from the Test Lab to the Field, Eric Schwartz, Trillion Quality Systems
February 4, 2010 – High Performance Thermoplastics, Larry Stanislaw- 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.

MAY MEETING

At the May meeting, Mr. Anthony Berejka gave an excellent presentation entitled Process Considerations that Enhance the Commercial Viability of Radiation Cured Fiber Reinforced Composite. The New Jersey Chapter wishes to thank the Mr. Anthony Berejka for the excellent presentation.

UPCOMING CONFERENCES

**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

**SAMPE 2011 – ISS&E – Long Beach CA. May 23 - 26, 2011
Sponsored by SAMPE Orange County Chapter**



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**DIGITAL IMAGE CORRELATION – FULL FIELD OPTICAL 3D
DEFORMATION AND STRAIN MEASUREMENT, FROM TEST LAB TO FIELD**

**Eric Schwartz
Applications Engineer
Trilion Quality Systems
Schwartz@Trilion.com
Phone: 215-710-3000
Fax: 215-710-3001**

Trilion Quality Systems is pleased to present to the SAMPE local NJ chapter “Digital image Correlation – Full-field Optical 3D Deformation and Strain Measurement, from the Test Lab to the Field”. Profiling full field optical techniques and their applications; some traditional and some not so traditional. The speaker representing Trilion is Eric Schwartz, an up and coming young Mechanical Engineer from Drexel University.

Eric will give a presentation on the technology followed by a demonstration of this cutting edge measurement method. It's full-field capability makes it ideal for computer model validation, and is used in industries as diverse as aerospace composites, automotive welding, microelectronic thermal warpage and biomechanics.

Trilion Quality Systems was started in 1998 by John Tyson, PE, a leader in optical inspection technology, to support industry with optical strain measurement and nondestructive testing systems and services. Our team has more than 35 years experience solving complex testing applications and delivering cutting edge quality products.

We specialize in technical and market development of innovative optical inspection systems, providing our customers with application and test method development, inspector training and certification, advanced technology inspection services, supporting our customers with the 3D Image Correlation, Photogrammetry, ESPI (holography) and Laser Shearography NDT technologies.



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NEW NJ SAMPE WEBSITE

Visit www.NJSAMPE.org

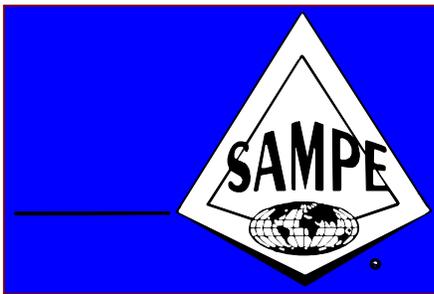
We now have a website. We need lots of input and recommendations from you to make it useful. All of our sponsors have links to their sites. If you are a sponsor, please make sure it's linked to the right site. If you are a consultant and want your resume on line, we have a place for that too. Also on 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.

ELECTION OF OFFICERS FOR 2010 – 2011 Fiscal Year

At the May Meeting of the New Jersey Chapter of SAMPE, the following slate of candidates was elected for the next Fiscal Year 2010 – 2011:

Chairman:	<i>Ben Rasmussen</i>
Vice Chairman:	<i>Gail DiSalvo</i>
Treasurer:	<i>John Osterndorf</i>
Secretary:	<i>Borys Schafran</i>
Directors:	<i>Howard Kliger</i>
	<i>Louis Pilato</i>
	<i>Ben Rasmussen</i>
Programs:	<i>Tony Constantino</i>



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YEARS OF SERVICE

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

5 YEARS

<i>Frank Ko</i>	<i>University of British Columbia</i>
<i>Wenguang Ma</i>	<i>Crane Composites</i>
<i>Gary Schuerfeld</i>	<i>Materials Science Corp</i>
<i>Rony Slim</i>	<i>Miki Sangyo (USA) Inc</i>

10 YEARS

<i>Curt Wilkinson</i>	<i>Bally Ribbons Mills</i>
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15 YEARS

<i>Kurt Feichtinger</i>	<i>Alcan Baltek Corp</i>
<i>Mary Shafer</i>	<i>Fabric Development Inc</i>

20 YEARS

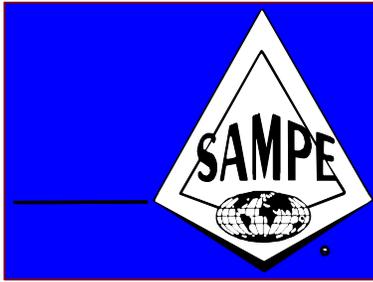
<i>Radha Agarwal</i>	<i>Utility Development Inc</i>
<i>Kenneth Annitti</i>	<i>Annitti Enterprises</i>
<i>James Wittig</i>	<i>Actega Radcure Inc</i>
<i>John Wyckoff</i>	<i>New Jersey National Gas</i>
<i>Carl Zweben</i>	<i>Comp Consultant</i>

25 YEARS

<i>Renee Bernstein</i>	<i>Cotronics Corp</i>
<i>Louis Pilato</i>	<i>Pilato Consulting</i>

40 YEARS

<i>Leonard Poveromo</i>	<i>Northrop Grumman</i>
<i>Piyush Shah</i>	<i>Fabric Development Inc</i>



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EXECUTIVE BOARD

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PAST CHAIRMAN:

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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 – 2010 Benjamin M. Rasmussen

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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:

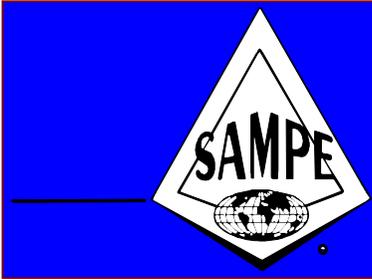
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<p>Airtech International, Inc. Peter Grantham 5700 Skylab Road Huntington Beach, CA 95647 714-899-8100 Fax: 714-899-8179 pgrantham@airtechintl.com www.airtechintl.com</p>	<p>Alcan Baltek Corporation Marc A. Anderson 108 Fairway Court Northvale, NJ 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@argosyinternational.com www.argosyinternational.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>Fabric Development Inc. Mary P. Shafer 1217 Mill Street Quakertown, PA 18951 215-536-1420 mshafer@fabricdevelopment.com www.fabricdevelopment.com</p>



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<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>	<p>Loctite Corporation George Newton 1001 Trout Brook Crossing Rock Hill, CT06067 315-492-7571 george.newton@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>GTD Consulting Gail DiSalvo 127 Rippling Brook Way Bernardsville, NJ 07924 908-953-0849 Fax: 908-766-6373 gail.disalvo@att.net</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>
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