



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

MARCH NEWSLETTER & MONTHLY NOTICE

MARCH 6, 2008 (1ST THURSDAY)

**COMPOSITE APPLICATIONS IN INFRASTRUCTURE
FOR ALCAN BALTEK CORPORATION**

**DR. KURT FEICHTINGER
TECHNICAL SERVICE MANAGER
ALCAN BALTEK CORPORATION
108 FAIRWAY COURT
NORTHVALE, NJ 07647
Phone: 201-367-1145
Fax: 201-750-3309
Email: kurt.feichtinger@alcan.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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**THE NEW JERSEY CHAPTER HAS A
STUDENT CHAPTER AT DREXEL
UNIVERSITY**

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 – “Composite applications in Infrastructure” for Alcan Baltek Corporation, Dr. Kurt Freichtinger, Alcan Baltek, Northvale, NJ
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 – Fire Retardant Intumescent Polyamide 11 Nanocomposites, Dr. Louis A. Pilato, Pilato Consulting, Bound Brook, NJ
July 10, 2008 – 25 th Annual NJ SAMPE Golf Tournament, Picatinny Arsenal, NJ

FEBRUARY MEETING

At the February meeting, Mr. David Hauber gave a presentation entitled Affordable Automation for Engineered Composites Structures. The presentation addressed various type of processing methods and equipment for the world of Automated Fiber Placement (AFP) and Automated Tape Laying (ATL).

The New Jersey Chapter wishes to thank Mr. David Hauber for the excellent presentation.

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: ”**



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“COMPOSITE APPLICATIONS IN INFRASTRUCTURE” FOR ALCAN BALTEK CORPORATION

**DR. KURT FEICHTINGER
TECHNICAL SERVICE MANAGER
ALCAN BALTEK CORPORATION
108 FAIRWAY COURT
NORTHVALE, NJ 07647**

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ABSTRACT:

Featured will be a review of several key projects with the Louisiana Department of Transportation and Development, utilizing Alcan Baltek Corp.'s high-density, end-grain balsa core material, for novel structural sandwich constructions.

BIOGRAPHY:

Dr. Feichtinger received his BS in Chemical Engineering from Washington University (St. Louis) in 1974 and a PhD in Chemical Engineering from the University of Massachusetts

(Amherst) in 1979, majoring in polymer science and engineering. His 29 years of industrial experience includes positions as a scientist at Owens-Corning Fiberglas (Granville, OH, Technical Center), General Electric Plastics, Davis+Geck (division of Lederle Labs), Rubatex, Inc., and Sentinel Products Corp. From 1984 through 1991 he served as Manager of R&D at Baltek Corporation, building their R&D laboratory and staffing the department from scratch. From 1995 until present, he serves as Technical Service Manager with responsibilities for customer technical and test support, new product development, existing product improvement and customer process development. In his charge are two master level engineers and a technical assistant. His specialization includes polymer chemistry and plastics engineering, with strong academic training and industrial experience in thermosetting as well as thermoplastic resins and products. Dr. Feichtinger has authored a dozen papers and been awarded four U.S. patents.



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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 to receive the SAMPE Best Chapter Award for the years 1990 through 2001, and the SAMPE Chapter Service Excellence Award for the Years 2002 through 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 41th 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 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 John Osterndorf 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 CHAPTER DIRECTOR

At the February meeting, the NJ Chapter Board of Directors elected Benjamin Rasmussen, Chapter Chairman, to the additional position of National Director. This now positions the NJ Chapter with 3 National Directors, and is a result of the Chapter's increased membership, which now totals over 100.



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EXECUTIVE BOARD

CHAIRMAN:

Benjamin M. Rasmussen
BMR Associates
375 North Drive, Apt. C-8
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SECRETARY:

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Benjamin M. Rasmussen

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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

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

SENIOR HONORARY MEMBERS:



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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>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>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>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>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>Argosy International Inc. Paul Marks 14 Penn Plaza New York, NY 10001 (212) 268-0003, X101 pmarks@argosychemical.com www.argosychemical.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@gerbertechnology.com</p>
<p>A & P Technologies Andrew A. Head 4595 East Tech Drive Cincinnati, OH 45245 513-688-3200</p>	<p>Engineered Fibers Technology Robert E. Evans 25 Brook Street Shelton, CT 06484 203-922-1810, X335</p>	<p>GTD Consulting Gail DiSalvo 127 Rippling Brook Way Bernardsville, NJ 07924 908-953-0849</p>

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<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>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>Johnson & Johnson Dr. Anthony L. DiSalvo 199 Grandview Road Skillman, NJ 08558-9418 908-874-2548 Fax: 908-874-1688 adisalv@cpcus.inj.com www.inj.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</p>	<p>Mektech Composites Inc. Aram Mekjian 40 Strawberry Hill Road Hillsdale, NJ 07642</p>	<p>3M Aerospace Renee Rainboth 3M Center St. Paul, MN 55144-1000</p>

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