

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', Professsor Anil N. Netravali, Cornell University

October 4, 2007 – Plant Tour – General Magnaplate, Linden, NJ

October 29 – November 1, 2007 – 38th
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, N.I.

April 3, 2008 – Microwave Technology and Composite, JimAlford

May 1, 2008 – TBD

May 18 - 22, 2008 – 52nd 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 – 25th 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

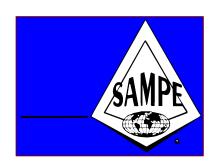
2008 SAMPE International Symposium and Exhibition, Long Beach Convention Center, May 18 – 22, 2008

"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: "





"COMPOSITE APPLICATIONS IN INFRASTRUCTURE" FOR ALCAN BALTEK CORPORATION

DR. KURT FEICHTINGER
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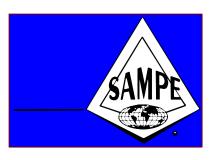
ABSTRACT:

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. 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 His specialization includes polymer assistant. 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.





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.

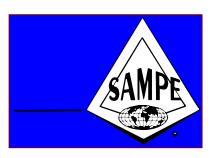
In addition, the Chapter has revised its newsletter to provide greater recognition of its sponsors. A sponsor's corner has been included for sponsors to highlight new product announcements, new business activities, processes and informative information concerning your company. Please submit any items 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.





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.

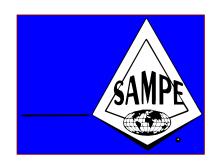
Picatinny Golf Course has a practice facility (chipping, putting, and driving into a net) at the Club House for golfers who arrive early. The course is well maintained and presents a good challenge for the golfer who plans to attend this tournament

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.





EXECUTIVE BOARD

CHAIRMAN:

Benjamin M. Rasmussen

BMR Associates 375 North Drive, Apt. C-8 North Plainfield, NJ 07060-3717 908-561-0796/fax: 908-753-7917 bmrassociates@netcarrier.com

TREASURER:

John F. Osterndorf

20 Memorial Court, Apt. 2C Denville, NJ 07834-1755 973-248-5885 (cell) sampejohn@yahoo.com

SECRETARY:

Gail D. DiSalvo

GTD Consulting 127 Rippling Brook Way Bernardsville, NJ 07924-2036 908-953-0849/fax: 908-766-0849 disalvogaild@aol.com

DIRECTORS:

Howard S. Kliger

H. S. Kliger & Associates, Inc. 20 Stryker Road Somerset NJ 08873 732-469-7646/fax: 732-469-6641 hskliger@patmedia.net

Louis A. Pilato

Pilato - Consulting 598 Watchung Road Bound Brook, NJ 08805-1746 732-469-4057/fax: 732-764-9747 Pilato-consulting@att.net

Benjamin M. Rasmussen

BMR Associates 375 North Drive, Suite C8 North Plainfield, NJ 07060 908-561-0796/fax: 908-753-7917 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 – 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. Kliger2001 Dr. Louis A. Pilato2001 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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| Advanced Chemistry & Tech. | Alcan Baltek Corporation | Fabric Development Inc. |
|-----------------------------------|-------------------------------------|-------------------------------|
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| Glenside, PA 19038 | Northvale, NJ 07647 | Quakertown, PA 18951 |
| 215-884-3619 | 201-767-1400 | 215-536-1420 |
| Fax: 215-327-3842 | Fax: 201-387-6631 | mshafer@fabricdevelopment.com |
| kevin.merlini@aerotech.com | marc.anderson@alcan.com | www.fabricdevelopment.com |
| | www.alcanbaltek.com | |
| Airtech International, Inc. | Bryte Technologies | General Magnaplate |
| Peter Grantham | Chuck Chakrabarti | Edmund Aversenti |
| 5700 Skylab Road | 1235 Beacon Hill Crossing | 1331 US Route 1 |
| Huntington Beach, CA 95647 | Alpharetta, GA 30005 | Linden, NJ 07036 |
| 714-899-8100 | (770) 475-7977 | 908-862-6200 |
| Fax: 714-899-8179 | Fax: (770) 475-7477 | Fax: 908-862-6110 |
| pgrantham@airtechintl.com | cchakrabarti@brytetech.com | eaversenti@magnaplate.com |
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| Paul Marks | Heather O'Rourke | Dudley Fenn |
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| pmarks@argosychemical.com | Fax: 631-226-5190 | Fax: 860-871-3730 |
| www.argosychemical.com | heathero@coast-lineintl.com | dfenn@gerbertechnology.com |
| | www.coast-lineintl.com | |
| A & P Technologies | Engineered Fibers Technology | GTD Consulting |
| Andrew A. Head | Robert E. Evans | Gail DiSalvo |
| 4595 East Tech Drive | 25 Brook Street | 127 Rippling Brook Way |
| Cincinnati, OH 45245 | Shelton, CT 06484 | Bernardsville, NJ 07924 |
| 513-688-3200 | 203-922-1810, X335 | 908-953-0849 |

Fax: 513-688-3201 Fax: 203-922-1814 Fax: 908-953-0328

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www.EFTfibers.com





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| Gentex Corporation | Loctite Aerospace | Northern Fiber Glass Sales |
|---------------------------------------|----------------------------|-----------------------------|
| Robert Sallavanti | Robert Golick | Richard Hewitt |
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| Carbondale, PA 18407 | Medford, NJ 08055-2438 | Hampton, NH 03843-2010 |
| 717-282-2814, X214 | 609-654-1651 | 603-926-1910, ext. 16 |
| rsallavanti@gentexcorp.com | Fax: 609-654-1151 | Fax: 603-926-0598 |
| www.gentex.com | rgolick@loctitite.com | rvh@nfgsales.com |
| | www.aerospace.henkel.com | www.NFGSales.com |
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| Chris Burger | Larry Nativi | Steve Davis |
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| Bound Brook, NJ 08840 | Denver, NC 28037 | Bordentown, NJ 08505-7620 |
| 732-469-7760 | 704-489-8737 | 609-291-5800 |
| Fax: 732-469-3666 | Fax: 704-489-8738 | stevedavis@princesports.com |
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| www.jfctechnologies.com | www.loctite.com | |
| Johnson & Johnson | Lonza Group | Utility Development |
| Dr. Anthony L. DiSalvo | Sajal Das | Harry Katz |
| 199 Grandview Road | 90 Boroline Road | 112 Nylon Road |
| Skillman, NJ 08558-9418 | Allendale, NJ 07401 | Livingston, NJ 07039-1006 |
| 908-874-2548 | 201-316-9218 | 973-994-4334 |
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| www.jnj.com | | www.udccorp.com |
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| Kenrich Petrochemicals | Mektech Composites Inc. | 3M Aerospace |
| Mr. Salvatore J. Monte | Aram Mekjian | Renee Rainboth |
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