



December 2023 Newsletter

***Next meeting @ Rutgers University, Piscataway, NJ
Panel Session on Careers in Material and Process Engineering***

December 7th, 5:30 pm EST

CAMX recap / Giants of NJ SAMPE

Sponsor of the Month

Novoset LLC



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<http://njsampe.org>

December In-person Meeting – Career Panel Session

Our third meeting of the 2023-2024 season will be a Career Panel Session with a focus on transitioning from academics to industry. Students in Engineering and the Sciences interested in careers in material & process engineering are welcome to participate in an open dialog with our panel of industry professionals from the NYC/NJ/PA area. Learn firsthand about their journeys, challenges and successes.

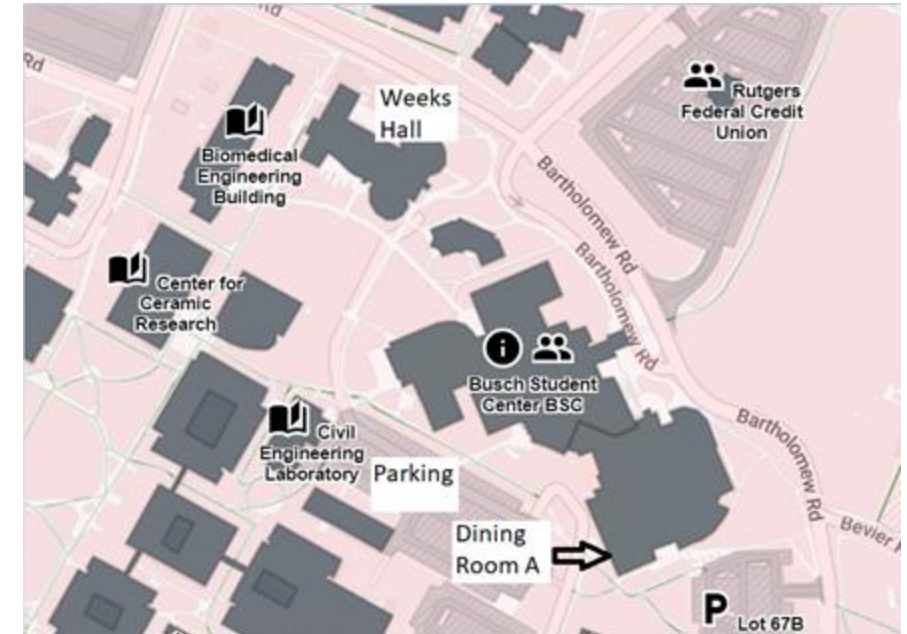
Have an internship opportunity at your company? Looking to fill an entry-level engineering role in 2024? Come out and network with these Rutgers students!

When: Thursday, December 7, 2023 5:30 - 8 PM Eastern Time

Where: Rutgers University, Busch Student Center, Room 174
604 Bartholomew Rd, Piscataway, NJ 08854

Contact megan@njsampe.org to RSVP.

Free admission for students, \$30 for professionals. Includes dinner.



NJ SAMPE Meeting Preview

Mark your calendar! Looking forward to seeing you!

We are pleased to preview our Fall 2023 – Spring 2024 schedule:

December 7 – Career Panel Session

Rutgers University, Piscataway, NJ

February

Rowan University, Glassboro, NJ

March – Banquet in honor of George Lubin Award Recipient Leonard Poveromo

Keep an eye out for details

April – Annual Student Night

Evonik Corporation, Piscataway, NJ

*Students looking to present their research or Student Chapter activities should contact Howard Kliger
(hskliger@comcast.net)*

June 2024 – 4th Annual Additive Manufacturing Symposium

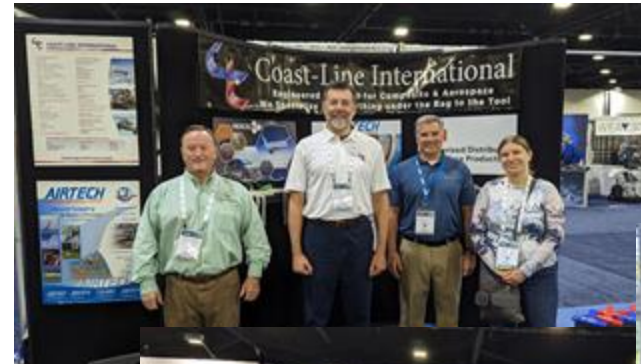
Location TBD

Interested in joining the planning committee for this event? Contact Joe Abrantes (joe@njsampe.org)

NJ SAMPE at CAMX!

NJ SAMPE Board Members Melissa Jaime and Amir Islam recently connected with many of our Chapter sponsors at CAMX - The Composites and Advanced Materials Expo 2023 in Atlanta. We also had the opportunity to dine with student members and young professionals.

We are grateful for the continued support of Airtech International Inc., Bally Ribbon Mills, Broadview Technologies Inc, CABB Jayhawk, Coast-Line International, Kaneka North America, Siltech Corporation, and others, allowing us to continue our Chapter's important programs.



SAMPE Technical Committee Webinars

Mark your calendar! All are welcome to attend at no cost!

November 14 – Design of Coupons and Test Methodology for Orthotropic Characterization of FFF Processed Ultem 9085

Tommy Hyatt, Lockheed Martin, Organized by the Composites Factory of the Future Committee

[Register Here](#)

November 15 – Thermal Protection Systems State of the Industry

Stan Bouslog, NASA JSC, Organized by the Space Applications Technical Committee

[Register Here](#)

December 13 – Composites for Human Rated Exploration

Jeremy Jacobs, NASA JSC, Organized by the Space Applications Technical Committee

January 17, 2024 – Advances in Non-destructive Methods for Space Vehicles

Eric Burke, NASA LaRC, Organized by the Space Applications Technical Committee

February 14, 2024 – Certification of Additive Manufacturing for Fracture Critical Applications

Alison Park, NASA NESC, Organized by the Space Applications Technical Committee

[Register Here](#)

Giants of NJ SAMPE – Benjamin M. Rasmussen

With the influx of students and young professionals to NJ SAMPE, we decided to begin a series on past NJ SAMPE Senior Fellows and their significant contributions to the industries we serve.

Benjamin M. Rasmussen graduated from UC Berkley with a degree in Chemical Engineering. After working in both technical and management positions at Aerojet General, Hexcel and Exxon Graftek, he moved to NJ in the early 1980s for a marketing position at Celanese Celion Carbon Fibers. A few years later, he started BMR Associates, specializing in composite materials business strategies and organizational transformations.

Rasmussen conducted numerous tutorials and seminars, presented papers at major industry sponsored conferences, and contributed to numerous articles in a variety of technical publications. He developed and maintained a forecast for worldwide carbon fiber usage as well as honeycomb materials.

Ben was a member of SAMPE for almost 50 years. With the local NJ chapter, he served as chapter chairman in 1990 and then again from 1999 through 2013. At the national level, he served as International Secretary and then as General Chairman for International Symposia in 1998, 2002, 2006, 2009, and 2012, when NJ was the sponsoring chapter. He was also a member of the SAMPE Foundation Board of Directors.

Ben died in March 2018. Because of his dedication to the NJ chapter, the chairmanship of our chapter has been designated the “Benjamin M. Rasmussen Chair.”



Thank You to Our 2023-2024 Sponsors!

We are most pleased to acknowledge our New Jersey Chapter Corporate Sponsors for 2023-2024. These fine companies help us to continue our activities and programs.



2023-2024 Sponsor Directory



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Siltech Corp

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Sponsor of the Month – Novoset LLC



Novoset, LLC is a high-tech material company focusing on design and development of advanced materials for aerospace, defense and electronic industries. Their products are developed focusing on market need with various levels of value chain interactions - including OEM.

Novoset products are manufactured by ISO, GMP and CGMP certified partners. These unique manufacturing partnerships enable Novoset to provide faster product development and application development possibility for our customers.

Novoset also cooperates with complementary suppliers, leading government organizations and industry specialists with a goal to bridge the gap of limitation of current high temperature thermoset and thermoplastic materials for leading-edge application qualifications.

In 2013 Novoset opened its Technology Center to support the growing advanced material demand for the high speed telecommunication and semiconductor industries. In addition, the center develops advanced matrix systems based on cyanate ester, epoxy, hydrocarbon and polyimide chemistries for aerospace, space, automotive and defense industries.

Novoset has developed the next generation of 5G materials for advanced semiconductor industries. They also supplying 3D materials for leading OEM printing companies.

One of their newer products is NovoCure 200, a novel proprietary mixture of metal salts provided as a solution in a reactive diluent. The reactive diluent has been selected in a way that enhances the curing of high Tg thermosets such as cyanate esters or cyanate ester/BMI/epoxy blends.

For more information, contact:

Dr. Sajal Das

Novoset LLC

87 Main Street

Peapack, NJ 07977

908-470-4200

www.novoset.com



Board of Directors

The NJ SAMPE Board of Directors for 2023-2024 was elected this past June and includes some new members. Congratulations to all! Please reach out to anyone of us for Chapter inquiries.

BENJAMIN M. RASMUSSEN CHAIR

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New Jersey Chapter

2024

Support the NJ Chapter of SAMPE

***Celebrating our 47th year of service to the greater
NY/NJ/CT/PA area***

- Attend a meeting***
- Network with industry peers***
- Make a presentation***
- Become a Corporate Sponsor***
- Volunteer***



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