

Rowan University to Host February's Monthly Meeting

Our third meeting of the 2023-2024 season will be held at Rowan University, Glassboro, NJ on Thursday, February 8, 2024, featuring 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.



The Henry M. Rowan College of Engineering



Rowan University's South Jersey Technology Park

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

The meeting is scheduled to begin at 5:00 pm with a networking session over dinner, followed by the panel discussion. Panelists will be announced on www.njsampe.org and [LinkedIn](https://www.linkedin.com/company/njsampe). Contact megan@njsampe.org to register. Free admission for students, \$30 for professionals, including dinner.

Giants of NJ SAMPE: Louis Pilato

Meet Our Resident Pioneer in Phenolic Resin Technology

Dr. Louis Pilato is a SAMPE Fellow and a member of the American Chemical Society (ACS).

He actively collaborates in Polymer Nanocomposites (PNC) with Dr. Joseph Koo of University of Texas/Austin, a recognized expert in PNC.

These many PNC studies involve both thermoplastic and thermosetting resins containing a variety of nanomaterials such as carbon nanotubes, carbon nanofibers, graphene, nanoclay, nanosilica, polyhedral oligomeric silsesquioxanes (POSS), and n-SiC, and, in some instances, transformation into fiber resin reinforced composites for advanced composites systems for ablation, thermal management and other aerospace applications.

Louis has presented several tutorials on PNC as well as Resin Matrix Systems during SAMPE international conferences.

His other areas of technical research include Phenolic Resin Technology, Bio-based Materials, and Resin Matrix Systems for Composites.



Dr. Louis Pilato in 1992 (front row, second from right) and today (photo above), actively contributing to the success of our Chapter after 30+ years.



After receiving his PhD in Organic Chemistry, Louis joined Union Carbide Plastics Division in Bound Brook, NJ, spent a year with Xerox in Rochester, NY in 1965, and returned to UCC until 1978, when he entered private business. He continues to provide consulting services for many clients.

Louis is the author of numerous books published by Springer.

[Phenolic Resins: A Century of Progress, 2010](#)

[Phenolic Resins: Chemistry, Applications, Standardization, Safety and Ecology, 2000](#)

[Advanced Composite Materials, 1994](#)

[Phenolic Resins: Chemistry, Applications and Performance, Future Directions, 1985](#)

Sponsor of the Month

GENTEX CORPORATION is a leading provider of innovative solutions that enhance personal protection and situational awareness in high performance environments. Page 2

Upcoming Events

Preview our calendar of events for the second half of our 2023-2024 season. Page 2

Scholarship Program

NJ SAMPE is accepting applications for its scholarship program until March 15th. Awards will be presented at our annual Student Night meeting in April. Page 3

Sponsor of the Month: GENTEX Corporation

Leveraging a product development and manufacturing history that spans more than 100 years, Gentex Corporation is a leading provider of innovative solutions that enhance personal protection and situational awareness for global defense forces, emergency responders, and industrial personnel operating in high performance environments.

The company's product portfolio includes helmet system platforms and capability upgrades (respiratory and CBRN protection products, eye and face protection products, and hearing

protection and communications products) sold under the Gentex®, Ops-Core®, ALPHA®, Aegisound®, Cromwell®, and PureFlo® brands; Dual Mirror™ aluminized fabrics; and Filtron® light management technology.

The privately held company is headquartered in Carbondale, Pennsylvania and supports its global customers through a worldwide distributor network and five other facilities in the U.S. (Rancho Cucamonga, California; Manchester, New Hampshire; Boston, Massachusetts), and the U.K. (Letchworth Garden City and Stranraer).

For more information, contact:
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Gentex Corporation
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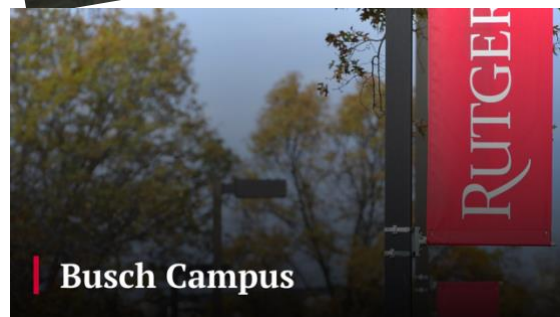
Successful Kickoff to Fall Monthly Meetings

NJ SAMPE held its first monthly meetings of the 2023-2024 season to great success.

Offering a new twist to the legacy dinner and technical speaker meetings, this year's events have focused on career development for members and friends of our SAMPE student chapters at NYU and Rutgers University.

NJ SAMPE also hosted a Virtual Student Networking Panel for SAMPE student members across North America, together with the SAMPE Student Chapter Development Committee.

Each event featured a panel of diverse industry/academic leaders from communities local to the events. From NYU Tandon in Brooklyn, NY, to Rutgers University in Piscataway, NJ, and soon onto Rowan University in Glassboro, NJ, we are striving to accommodate students and young professionals in their own backyards.



2024 Calendar

NJ SAMPE Events

March

Banquet in honor of George Lubin Award Recipient Leonard Poveromo

Excited to celebrate with us? Complete [this survey](#) to help us select a suitable venue.

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

4th Annual Additive Manufacturing Symposium, Location TBD

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

SAMPE North America Technical Committee Webinars

January 17

Advances in Non-destructive Methods for Space Vehicles

Eric Burke, NASA LaRC

February 14

Certification of Additive Manufacturing for Fracture Critical Applications

Alison Park, NASA NESC

For more information, visit [SAMPE365](#)

NJ SAMPE Scholarship Program Now Accepting Applications



NJ SAMPE's scholarship program supports students pursuing higher education in science, technology, engineering, or mathematics (STEM).

Scholarships are offered annually for full-time study at an accredited university or vocational school of the student's choice.

The Program is administered by the NJ SAMPE Board of Directors, and all awards are granted without prejudice.

For the 2024-25 academic year, awards will be granted up to the maximum amount of \$2000.

Applicants must either be members of one of our 3 local student chapters or relatives of NJ SAMPE Chapter members having a minimum of one year of membership with the Chapter as of the application deadline.

An eligible Chapter member may also serve as sponsor for a deserving candidate's application (ex: neighbor, intern, etc.).

Submit applications to joe@njsampe.org no later than March 15, 2024.

Winners will be notified before our April 15, 2024 monthly meeting, where the scholarship awards will be presented.

For complete information on eligibility, the application and awarding process, please visit our [website](#).

NJ SAMPE Returns to Instagram

In addition to our continuing commitment to [LinkedIn](#), NJ SAMPE announces its return to Instagram in January 2024.

We will be featuring interviews, video, and news from our Student Chapters.

If you have creative ideas, or have your own content that you wish to share with the greater NJ SAMPE community, we welcome your contributions.

Please contact mclaugh43@rowan.edu for more details.



Thank You to Our 2023-2024 Corporate Sponsors



We are the New Jersey Chapter of SAMPE

Chartered in 1977, NJ SAMPE is one of the oldest Chapters in the SAMPE network. We serve the greater NJ/NY/CT/PA area by focusing on our membership, as well as student and young professional outreach. NJ SAMPE includes 10 SAMPE Fellows, 13 Senior Honorary Members, one SAMPE George Lubin Award Winner, and one SAMPE Young Professionals Emerging Leadership Award Winner. NJ SAMPE was designated as SAMPE's first Center of Excellence for Additive Manufacturing in 2018.

We welcome you to participate and network, either for business opportunities, recruitment or keeping up with industry trends in the region. As the only technical society encompassing all fields of endeavor in materials and processes, SAMPE provides a valuable forum for scientists, engineers and academics. We especially invite students and young professionals to engage in dialog with industry members, explore career options, make presentations at monthly meetings, and join local student chapters.

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