

Evonik Kicks Off Fall Program

NJ SAMPE welcomes members and friends to our first monthly meeting of the 2024-2025 season, to be held at Evonik Corporation, Piscataway, NJ on Thursday, September 5 at 5:30 pm. Dr. Gregory Treich, Technical Marketing Manager – Adhesives, Coatings & Industrial Americas for Evonik, will present “Sizing of Glass Fibers for High Temperature PEEK Composites.”



Greg’s work at Evonik focuses on silanes for composites, plastics, fillers, fibers, and other industrial applications. Previously, he worked at Syensqo (then Cytec), developing and validating thermal and UV stabilizers for a variety of thermoplastic polymers.

Greg holds a PhD in Polymer Chemistry from the University of Connecticut and a BS in Chemistry from Rensselaer Polytechnic Institute.

He is a member of the American Chemical Society, SAMPE, and a Board Member/Councilor for the Society of Plastics Engineers Palisades - MidAtlantic Section.

September’s meeting will include networking, dinner, and the presentation. To register in advance, click [here](#) or scan the QR code. Students are always free to attend.



41st Annual NJ SAMPE Golf Outing

Register today for the best golf ticket in town



Image courtesy of Picatinny Golf Club

John Ostendorf, NJ SAMPE Senior Honorary Member, welcomes you to this year’s Annual Golf Outing on Monday, September 16, 2024 at Picatinny Arsenal Golf Club, Picatinny, NJ.

Established in 1921 as a four-hole course for military officers, the property expanded over the decades to 18 holes, club house, pro shop and banquet hall. Today’s club offers a championship course, multiple sets of tees, a top-notch short game facility, a fully stocked pro shop, and the Sam Adams Pub at the 19th hole.

2024 marks the 41st year of our golf outing, known as the best deal in town for 18 holes and a buffet dinner at the clubhouse.

The event is open to all Members and Friends of NJ SAMPE.

Enjoy a great day and make the occasional awesome drive, chip or putt!

All profits go towards the support of NJ SAMPE's monthly meetings and our student outreach programs. Learn more [here](#).

Package includes:

- Greens fee & golf cart
- NJ SAMPE gifts
- Short game practice facility
- Access to locker rooms, showers
- Cash bar at 19th hole
- Banquet dinner



John Ostendorf and his brother-in-law with game faces on at last year’s event

Fees:

- \$175 each or \$600 for a foursome. NJ SAMPE Corporate Sponsors receive a \$30 discount for their first golfer.
- Dinner only: \$45 each

Tee time:

- 11:30 am EST
- Shotgun start

Contact Megan Casey at 610-427-3534 or megan@njsampe.org to sign up.

**RESERVATIONS + PAYMENT
MUST BE RECEIVED BY
SEPTEMBER 1, 2024**



Symposium is Ready!

Final update on our Regional Additive Manufacturing Symposium. Page 2

Upcoming Events

Preview our calendar of events for the 2024 - 2025 season. Page 2

Sponsor of the Month

Kenrich Petrochemicals Inc.
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2024 Regional Additive Manufacturing Symposium Almost Here

As we go to press for this issue of the newsletter, final plans are being made for the 2024 Regional Additive Manufacturing Symposium on August 21, 2024 at Rowan University.

The Symposium provides a forum for local researchers, educators, and end-users to discuss advancements and challenges in the field of additive manufacturing.

The technical program includes speakers from universities across New Jersey, New York, Maryland, and Delaware, as well as industry representation from VRC Metal Systems and Eaton. Four featured speakers will also participate in an expert panel to share their views on “New Trends in Additive Manufacturing.”



Additionally, the Symposium Committee has reprised our Student Poster Contest. This is the generation that will see the adaptation of additive manufacturing as a core manufacturing technology, rather than simply a hobby or prototyping exercise.

NJ SAMPE is grateful for the support of our co-hosts, the Henry M. Rowan College of Engineering and Rowan University Advanced Materials & Manufacturing Institute (AMMI). We also appreciate our generous corporate sponsors and exhibitors - Chemglass, Eaton, Hauschild, Kaneka, Shimadzu, TA Instruments, and VRC Metal Systems.

Registration will remain open until the morning of the Symposium. Click [here](#) for details.

See you at CAMX

This year’s Composites and Advanced Materials Expo (CAMX) will be held on September 9-12, 2024 at the San Diego Conference Center.

CAMX is the largest, most comprehensive composites and advanced materials event in North America. With a robust education program and an expansive exhibit hall with hundreds of manufacturers, distributors, and suppliers, CAMX delivers a unique experience and unrivaled opportunities.

Maurice Conti has been selected as the keynote speaker for the General Session. Conti, a globally recognized futurist, innovator, and technology strategist, will bring his unparalleled insights and vision to the premier event for the composites and advanced materials industry.

NJ SAMPE will be sending a contingent to CAMX, so we look forward to seeing you there. Can you keep a secret? NJ SAMPE will be honored with an award! More to follow in next month’s newsletter.

Ideas Wanted!

NJ SAMPE will be reporting from the 2024 Regional Additive Manufacturing Symposium on LinkedIn as well as providing a full recap in next month’s newsletter.

Our monthly event calendar is coming together, but we still have opportunities for speakers and are taking all suggestions on future events.

New ideas for presentations, panel discussions, site tours, and social events are welcomed.

- Would you like NJ SAMPE’s monthly meeting to come to your town?
- Do you have a favorite topic or theme that NJ SAMPE could feature at a monthly meeting/series of meetings?
- Would you like to present your research?
- Student Chapters, would you like to present your latest activities?

Please contact our Program Chair Dr. Behrad Koohbor at koohbor@rowan.edu with your ideas.

Cover Art Contest

SAMPE Journal continues to accept submissions for its cover competition. Student and professional members are encouraged to submit a high-resolution image (350 dpi or greater) in portrait format.

Authors submitting articles to The Journal may also supplement their submission with a cover image for the issue. The covers of both the March - April and May - June issues were images submitted by graduate students that were related to their research.

All images must be owned by the individual submitting (from their work or research) and must reflect advancements in materials and process engineering.

Submit your high-resolution image to editor Norm Wereley at wereley@umd.edu.

SAMPE will ask a panel of judges to pick the Cover of the Year from author and/or member submitted images used as covers.

Upcoming SAMPE Journal Issue Themes:

- Composites for Extreme Environments
- Advances in Automotive Composites

Calendar

NJ SAMPE Events

August 21

4th Annual Additive Manufacturing Symposium, Rowan University, Glassboro, NJ

September 5

“Sizing of Glass Fibers for High Temperature PEEK Composites,” Greg Treich, Evonik Corporation, Evonik, Piscataway, NJ

September 16

NJ SAMPE 41st Annual Golf Outing, Picatinny Arsenal Golf Club, Dover, NJ

October 10

“Sandwich Core Materials,” Marty Manno, DIAB, Rowan University, Glassboro, NJ

SAMPE Webinars

September 18 – 1 PM ET [Register Here](#)

“Toward a New Methodology for Design and Failure Analysis of PSA-bonded Joints,” Michael Larson, University of Colorado/Colorado Springs

October 16 – 1 PM ET [Register Here](#)

“A Forensic Analysis of the Titan Submersible Implosion,” Dr.-Ing. Ronald Wagner

National Events

September 9 - 12

CAMX, San Diego, CA

May 19 - 22, 2025

SAMPE 2025, Indianapolis, IN

Sponsor of the Month: Kenrich Petrochemicals Inc.



Kenrich Petrochemicals, Inc. provides products for the Polymer and Concrete Industries. They are a world leader in organometallic *Ken-React*® coupling agents with over 200 global patents filed over four decades covering titanate, zirconate and aluminate technology to create better sustainable products for customers. The brighter flat screen on your laptop or the OLED on your phone, the toner that prints your documents, the makeup or sunscreen you see on store shelves, the fracking that creates low-cost alternate energy, all are products that use *Ken-React* coupling agent technology.

Established in 1945, Kenrich Petrochemicals ships their products from ISO 9001 facilities located in Decatur and Dayton, TN. Salvatore J. Monte joined Kenrich Petrochemicals in 1966. The *Ken-React* product line was invented in 1973 by Monte to disperse zinc oxide in naphthenic oils. The products are now referenced in over 4,000 ACS CAS abstracted works by other investigators and 500 ACS-CAS abstracted “Works by S.J. Monte” and provide a non-hydrolysis interfacial coupling agent alternative to silanes in carbon-based materials such as graphite and graphene.

The newest nano-technology developments are *Ken-React* KPR® for in-situ catalysis in the polymer melt to compatibilize dissimilar condensation and addition polymers; and *Ken-React* KCM® for surface modification of Portland cement to reduce the water-to-cement ratio by 31%, prevent efflorescence, and compatibilizer polymers into waterborne mortars and concrete.

For more information, contact:
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<http://www.4kenrich.com>

Thank You to Our 2024 - 2025 Corporate Sponsors

NJ SAMPE’s programs and events are brought to you by the generous donations of our Corporate Sponsors. Please support them for your next project.



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 our local student chapters.

- Benjamin M. Rasmussen Chair
- Vice-Chair
- Treasurer
- Secretary
- Director/Membership Programs
- Student Chapter Liaisons
- Director/Media
- Young Professional Representatives
- Advisor-at-Large

- [Melissa Jaime](#), Aurorium
- [Joe Abrantes](#), Evonik
- [Megan Casey](#), TotalEnergies Cray Valley
- [Joseph F. Stanzione](#), Rowan University AMMI
- [Amir Islam](#), Bally Ribbon Mills
- [Behrad Koobor](#), Rowan University
- [Shahab Zekriardehani](#), Eaton & [Joe Abrantes](#), Evonik
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