

BOD Officers for 2024-2025 Elected

NJ SAMPE voted in its new Board of Directors for the 2024 - 2025 term which begins on July 1, 2024.

While there are many returning to their incumbent roles, newcomers have been elected to expand the Board and engage a growing member base of industry professionals, academia, and students entering the workforce.

Please welcome our officers for 2024 - 2025:

Benjamin M. Rasmussen Chair:

Melissa Jaime (Aurorium) returns for her 3rd term leading NJ SAMPE. Melissa ran on a platform of student and young professional engagement, as evidenced by our vibrant Student Chapters at NYU Tandon, Rowan University, and Rutgers University.

Vice-Chair & Student Chapter Liaison:

Joe Abrantes (Evonik) returns for his 3rd term as Vice-Chair and 7th term as Student Chapter Liaison. In addition to his leadership of the Additive Manufacturing Symposium Committee, Joe will continue to support Melissa's growth initiatives for the Chapter by working closely with a second Student Chapter Liaison and our two Young Professional Representatives.

Treasurer: Megan Casey (TotalEnergies Cray Valley) returns for her 9th term. Megan will continue to manage the Chapter's finances as well as registration for Chapter events, including the Annual Golf Outing and Additive Manufacturing symposia.

Secretary:

Joseph Stanzione (Rowan University) returns for his 2nd term as Secretary. Joe is also a key member of our Additive Manufacturing Symposium Committee.

Director & Membership Chair: Amir Islam (Bally Ribbon Mills) returns for his 3rd term as Membership Chair. He also represents NJ SAMPE at national SAMPE BOD meetings.

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2024 Regional Additive Manufacturing Symposium Announced

NJ SAMPE, in cooperation with the [Rowan University College of Engineering](#) and [Advanced Materials and Manufacturing Institute \(AMMI\)](#), is pleased to host a one-day symposium to highlight advancements in additive manufacturing technology and related research initiatives in the Greater NJ/NY/PA/CT area.

This event will provide a forum for suppliers to showcase their products and for researchers to present their ongoing work. All participants are encouraged to explore collaboration opportunities.

Registrants who are not SAMPE members will be credited a 1-year professional membership to SAMPE.

Venue for this year's event is Rowan University - Rowan Hall, located on 600 North Campus Drive, Glassboro, NJ 08028. Directions can be found [here](#).

Additional information about the event can be found [here](#). Registration, hotel, and parking information will be announced shortly.

Call for Presentations

We invite academic researchers, equipment or material suppliers, software developers, and end users or manufacturers to submit brief abstracts (400 word max) of presentations to be made at the Symposium.

Topics of interest include, but are not limited to:

- Additive manufacturing processes
- Novel materials
- Equipment developments
- Production experience and applications
- Challenges to wide-scale implementation
- Technical collaboration initiatives



The Henry M. Rowan College of Engineering at Rowan University, site of this year's Symposium.

No formal papers are required for presentations. Poster presentations will also be considered. The Symposium will collect and distribute all presentation materials to attendees. Send all questions and submit abstracts in Word format (name.docx) to joe@njsampe.org by July 15.

Student Poster Contest

Last year's inaugural Student Poster Contest was a popular addition to the program. Students are once again invited to register posters to be exhibited at the Symposium. All those interested in participating should contact joe@njsampe.org with questions or poster titles by August 7.

Volunteers Needed

The Symposium Committee is seeking volunteers to help plan and execute this event. Please contact joe@njsampe.org for more information.

Sponsorships Available

Opportunities to promote your company during the Symposium include the following:

- General event sponsorship
- Tabletop exhibit
- Meal sponsorship
- Covering student registration fees

For more information, please contact megan@njsampe.org

SAMPE 2024 Recap

Reflections from Rowan University Students on the conference. Page 2

Upcoming Events

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Sponsor of the Month

KANEKA North America
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SAMPE 2024 Recap

NJ SAMPE was well-represented at SAMPE 2024, held in Long Beach, CA this past May 21-22. In addition to BOD members Melissa Jaime and Howard Kliger, Dr. Guiseppe Palmese and a group of 7 students from Rowan University attended. Our 10-member team was highly visible, demonstrating our commitment to supporting national SAMPE events.

While Howard identified potential Chapter meeting speakers and sources of materials for his hand-crafted composite pickleball paddles, Melissa connected with Chapter Sponsors Fabric Development, CABB Jayhawk, Broadview Technologies, and Kaneka.

Four Rowan University Students presented their research in the conference program categories of Sustainability in Composites, Emergent Materials & Applications, and Design for the Circular Economy. A fifth student presented a poster entitled, "The Effect of Fiber Shrinkage on the Properties of Co-carbonized Carbon-carbon Composites."

We asked several Rowan Student Chapter members to comment on their conference experiences:



"SAMPE is different from other conferences I attend because it feels more like a community. Every year I feel like my network expands a little more, and it makes attending all the more worthwhile." - Michael Chauby, PhD Candidate - Chemical Eng.

"I have attended other conferences in the past, including GRC, ACS and AIChE, as well as SAMPE. SAMPE is more industry-focused and provides students with a great opportunity to experience the type of work that is currently going on within the field. Attendees from academia tend to be specialists within their respective fields and can provide meaningful insights to a student's work. One aspect I find very unique to SAMPE is the ability for students to obtain an internship or job opportunity simply by networking at events during the conference or talking to people after a technical presentation. Most of the conference-goers are easy to talk to and open to giving career advice to students." - Jaclyn McLaughlin, PhD Candidate - Materials Science Engineering

"It was a great experience! I really enjoyed going and watching the grad students present and looking around at all the different talks and panels offered! It was also a good experience for my presentation skills and having to tackle questions from an audience." - Margaret Barrasso, BS '24, Mechanical Eng.

"My first time attending a conference was the annual AIChE student conference in 2022 and since then I have attended two SAMPE conferences. One thing I really appreciate about the SAMPE conferences is the environment. It is a very welcoming community of people that are passionate about the materials and processing fields. The environment SAMPE fosters makes it easy to connect, interact, and learn from people from industry and research alike. As well, there are so many talks, panels, student competitions, and events to look forward to each year." - William Beck, Masters Student - Mechanical Eng.

"SAMPE 2024 was my first ever engineering conference; it was very fascinating to see representation from nearly every state and many different countries." - Stephen McClain, Undergraduate Student - Mechanical Eng.

...BOD Officers

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Programs Chair: Behrad Koohbor (Rowan University) joins the Board as Programs Chair, soliciting speakers and special guests for our Chapter meetings.

Student Chapter Liaison: Shahab Zekriardehani (Eaton Corporation) joins the Board, supporting Joe Abrantes in overseeing our Student Chapters and STEM programs.

Young Professional Representatives: Jaclyn McLaughlin (Rowan University) returns for her 2nd term and is joined by newcomer Joe Geiger (Bally Ribbon Mills). Together, they will support students as they enter the workforce, continue their SAMPE memberships, and share experiences.

Media Chair: Borys Schafran returns for his 3rd term, responsible for promotions and communications for NJ SAMPE. He also serves as non-voting Director.

Advisor-at-Large: Howard Kliger, beloved member of our Chapter for a seemingly infinite number of years, moves from Programs to his new assignment, advising the BOD.

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

July 17 - 1 PM ET [Register Here](#)

"A New Laminate Theory: Simplified, Invariant, and Universal," Stephen W. Tsai, Stanford University

July 22 - 12 PM ET [Register Here](#)

"Sustainable Manufacturing at ORNL and IACMI: Circular Economy," Panel Event

August 21 - 1 PM ET [Register Here](#)

"Science and Practice of Composites Process Simulation," Anoush Poursartip, UBC

National Events

September 9 - 12

CAMX, San Diego, CA

Sponsor of the Month:

Kaneka North America

Kane Ace MX is Kaneka's novel core-shell rubber (CSR) toughening system for Thermoset Resins. It is a pre-dispersed CSR Masterbatch which enhances the physical properties of the resins through optimal dispersion of core-shell particles.

The revolutionary liquid impact modifiers of Kane Ace MX enable thermoset resins to achieve highly improved strength, fracture toughness, and endurance without losing their characteristic heat-resistant properties.

Kaneka North America LLC is a subsidiary of the Kaneka Corporation, headquartered in Tokyo Japan.

Long-time supporters of NJ SAMPE, this year Kaneka generously expanded their sponsorship by contributing additional funds to support specific programs:

- 5 student memberships
- NJ SAMPE Scholarship
- Student Travel to SAMPE/CAMX

For more information, contact

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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
[Borys Schafran](#), Schafran Associates
[Jaelyn McLaughlin](#), Rowan University & [Joe Geiger](#), Bally Ribbon Mills
[Howard Kliger](#), Retired