

## May Meeting Preview

NJ SAMPE's May monthly meeting will once again be held at Evonik in Piscataway, NJ on Thursday, May 9, and feature "The Magic of Powder Metallurgy, Open Book Management & Entrepreneurship," presented by Edul Daver of ACuPowder International.



Photo credit: Edul Daver

Powder metallurgy existed in ancient Egypt & India but became a modern commercial industry only within the last century. The applications for powder metallurgy range from greeting cards to solid rocket propellants and everything in between. Every household is unknowingly benefitting from powder metallurgy technology each day.

Edul will cover varied manufacturing processes, from the basic Press & Sinter parts production to the innovative Injection Molding & 3D Printing. Powder metallurgy is often the only practical way to make components with desired characteristics at an attractive cost position.

Edul was President of Alcan Metal Powders, a leading manufacturer of non-ferrous metal powders, before leading a leveraged management buyout to form ACuPowder International in 1995. The company was sold to Platinum Equity in 2010 and Edul retired in 2012.



Scan to Pay

To register for May's monthly meeting, scan the QR code or click [here](#). Students are always free.

## History of NJ SAMPE

### Expanding to the National Stage

NJ SAMPE has a rich history of both local and national activities. From 1990 through 1997, NJ SAMPE conducted a series of Mini-Tech conferences at New Jersey Institute of Technology, Stevens Institute of Technology, and other local universities. NJ SAMPE organized the NJ Regional Additive Manufacturing Conference, held at Rutgers in 2019, on-line in 2021 during the pandemic, and at Rowan University in 2023.

From 1981, over the next 30 (yes 30!) years, NJ SAMPE was either a sponsor or co-sponsor include the following:

- 13<sup>th</sup> ISTC, Mt Pocono, PA
- 21<sup>st</sup> ISTC, Atlantic City, NJ
- 37<sup>th</sup> ISSE, Anaheim, CA
- 39<sup>th</sup> ISSE, Anaheim, CA
- 7<sup>th</sup> Electronics Expo, Parsippany, NJ
- 41<sup>st</sup> ISSE, Anaheim, CA
- 43<sup>rd</sup> ISSE, Anaheim, CA
- 43<sup>rd</sup> ISSE, Long Beach CA
- 47<sup>th</sup> ISSE, Dallas, TX
- 50<sup>th</sup> ISSE, Wichita, KS
- 53<sup>rd</sup> ISSE, Charleston, SC

Note: ISTC = International Sampe Technical Conference, now called "SAMPE (Year)"  
ISSE = International Sampe Symposium and Exhibition, now CAMX

The SAMPE Bridge Building contest actually started as a high school contest sponsored by NJ SAMPE and the NJ Science Supervisors Association. The first contest started in 1991 and continued through 1996. Over that period, more than 500 students were involved and about 100 bridges were built and tested. It was at a planning session in 1997 that the NJ Chapter, as the major sponsor of the 1998 ISSE, decided to introduce something new.

The first SAMPE Bridge Building contest was held at the 1998 ISSE with

38 contestants and 30 bridges from 10 universities. It continues to this day. Our most recent sponsored entry was in 2022, from Rowan University.

NJ SAMPE had its own Golf Tournament starting in 1984 at the Picatinny Arsenal golf course. It has continued annually and the 40<sup>th</sup> anniversary was marked in 2023. John Osterndorf has organized it every year.

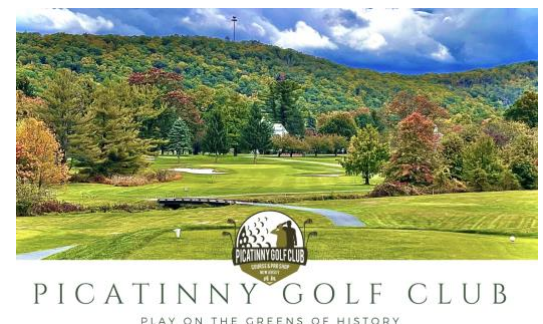


Photo credit: Picatinny Arsenal

SAMPE Fellows include:

- 1985 Ray Wegman
- 1987 Charles Weizenecker
- 1987 Carl Zweben
- 1989 Robert Pickney
- 1990 Frank Koo
- 1992 Fred Ancker
- 1997 Leonard Poveromo
- 1999 Howard Kliger
- 2001 Louis Pilato
- 2001 Harry Katz

2023 Leonard Poveromo received the George Lubin Award

NJ SAMPE was awarded the Best Chapter/Excellent Service Award for the years 1994 through 2000 and 2001 through 2006. National SAMPE discontinued the award in 2007.

Watch this space for the continuing history of the contributions of our Chapter to the SAMPE community.

### Len Poveromo Banquet Recap

An evening of fellowship and celebration in honor of Len's achievements.  
Page 2

### Upcoming Events

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

### Sponsor of the Month

BROADVIEW Technologies.  
Page 3



## Len Poveromo Banquet: A Joyous Evening

The March 26 evening banquet to honor SAMPE George Lubin Award winner Leonard Poveromo was a great success. Held at Bridgewater Manor, Bridgewater, NJ, the event attracted over 20 guests from the Chapter community. In addition to the guest of honor, we were excited to have Ray Wegman, our Chapter's founder, and his daughter Patty Drabik, join in the festivities.

Before dinner, the evening featured a salute to Len and his distinguished career in the composites industry. He was honored by stories from several guests, including Howard Kliger and Rich Caruso.

Len's speech recounting his service toward advancing composite use in aircraft was very special, as well as his casual discussions with our students and young professionals.

The room was filled with past, present, and future generations of industry leadership, and was appreciated by all.

Benjamin M. Rasmussen Chair Melissa Jaime also recognized service anniversaries of our membership, including Ray Wegman with 57 years.

A special thanks goes out to our event organizers Melissa Jaime, Megan Casey, and Joe Abrantes, who did all the heavy lifting to ensure the success of the evening.

We also express gratitude to Kaneka North America for sponsoring admission and transportation of several guests who would have otherwise been unable to attend this special occasion.

Look for future events honoring the legacy of our Fellows and distinguished members, and be sure to mark your calendars to catch the next celebration.



Top: Lubin Award Recipient Leonard Poveromo. Middle: Rich Caruso presents Len with an historic flight manual as a gift. Bottom: Chapter members presented with anniversary pins ranging from 10 to 55 years. From Left: John Osterndorf, Louis Pilato, Alfred Sagarese, Megan Casey, Borys Schafran, Len Poveromo, Howard Kliger, Joe Abrantes, Ray Wegman in front.

## Student Reflections



"It was an honor to be a part of such an inspiring event. I was overjoyed to see a host of entrepreneurs, scientists, leaders, and business giants talking as dear friends and celebrating in honor of one of their own. The sense of comradery was truly heartwarming, and this experience is one that I will not soon forget. What this event taught me is that in the end, we are all trying our best to make the world a better place, and every now and then, it is important to take a moment and celebrate and rejoice at how far we have come and most importantly honor those who paved the way for our current progress." - Luis Rafael Miranda Rodriguez, PhD student, Rutgers University

"I convey my sincere thanks to the NJ SAMPE team for graciously inviting me to attend the banquet honoring Leonard Poveromo, recipient of the esteemed George Lubin Memorial Award. It was truly an honor to be in attendance to celebrate and recognize his remarkable career spanning 47 years and technical contributions to the composites industry. His groundbreaking work not only exemplified excellence but also set new standards for innovation in our field. Events like this also serve as a testament to the collective dedication and innovation within the SAMPE community. I'm grateful for the opportunity to have been part of such an inspiring evening." - Mohit Agarwal, PhD student, Rutgers University

## Job Seeker

NJ SAMPE supports our student and young professional members in furthering their training and career plans. We present Mohit Agarwal, a Mechanical Engineering PhD student at Rutgers University.

My name is Mohit, 5<sup>th</sup> year doctoral candidate at Rutgers Mechanical & Aerospace Engineering. I am planning to complete my graduate studies by Fall 2024 and open to full-time Industry R&D roles henceforth. My experiences lie in computational mechanics, data-science driven hybrid ML/FEM models & new product development R&D in materials, aerospace, automotive and medical devices sectors. I hope my skillsets and cumulative experiences in academia and Industry R&D leadership roles would enable me to lead next generation research efforts at enterprise level & further my professional development. I would be glad to discuss opportunities to contribute to product development, computational modeling, data-science & research scientist profiles. Thank you for the kind support. I would welcome you to connect with me on my social handles for future collaborations & correspondence.

Follow my research:

[https://www.researchgate.net/profile/Mohit\\_Agarwal43](https://www.researchgate.net/profile/Mohit_Agarwal43)

Google Scholar:

[Mohit Agarwal, PhD Candidate, Rutgers](https://scholar.google.com/citations?user=Mohit_Agarwal)

Connect with me via LinkedIn:

<https://www.linkedin.com/in/m-agarwal/>

Check out my Profile sketch @ AMSL :

<https://pelegri.rutgers.edu/people/mohit-agarwal>

## 2024 Calendar

### NJ SAMPE Events

#### May 9

"The Magic of Powder Metallurgy, Open Book Management & Entrepreneurship," presented by Edul Daver, ACuPowder International, Evonik, Piscataway, NJ

#### August

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

#### September 5

"Sizing of Glass Fibers for High Temperature PEEK Composites," presented by Greg Treich, Evonik Corporation, Evonik, Piscataway, NJ

#### September 16

NJ SAMPE 41<sup>st</sup> Annual Golf Outing, Picatinny Arsenal Golf Club, Dover, NJ

#### October 10

"Sandwich Core Materials," presented by Marty Manno, DIAB, Rowan University, Glassboro, NJ

### SAMPE Technical Committee Events

#### April 30 - 1 PM EDT

#### SAMPE Tech Briefing

Gain insights from SAMPE's Technical Committee experts on emerging technologies and applications presented in a lightning-round format.

[Register](#) for the Zoom Webinar.

### SAMPE Events

#### May 20 - 23

SAMPE 2024, Long Beach, CA

Featuring a new workshop co-sponsored by the US Department of Energy on May 22:

"Advanced Materials for Hydrogen Infrastructure Technologies" [View the Agenda](#)

#### September 9 - 12

CAMX, San Diego, CA

## Sponsor of the Month:

### Broadview Technologies

Since 1970, Broadview has been a leader in the material science industry, providing high quality products and unparalleled service. Broadview develops and manufactures the world's largest variety of anhydrides for curing epoxy resins, as well as a wide range of flexibilizers and fire retardants.

In addition to its diverse range of products, Broadview differentiates itself through providing personalized lab support, technical expertise and customized formulations. They are committed to working with customers to enhance product performance, as well as providing quality, safety and environmental care.

Products include:

**Flame Retardants:** INTUMAX® is a new revolutionary flame retardant/intumescent agent ideal for incorporation into thermoset coatings and foams, potting compounds, fiberglass reinforced structures electrical laminates, thermal plastics, paints, films, resins and many other applications.

**Epoxy curing agents:** With over a dozen different anhydrides available for the curing of epoxy resins, Broadview offers the greatest variety of anhydrides and anhydride systems to solve customer problems.

**Specialty Plasticizers:** Resinous plasticizers especially suitable for plasticizing film forming materials.

For more information, contact

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[www.broadview-tech.com](http://www.broadview-tech.com)



## 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.

Benjamin M. Rasmussen Chair  
Vice-Chair/Student Chapter Liaison  
Treasurer  
Secretary  
Director/Membership Programs  
Director/Media  
Young Professional Representative

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.

[Melissa Jaime](#), Aurorium

[Joe Abrantes](#), Evonik

[Megan Casey](#), TotalEnergies Cray Valley

[Joseph F. Stanzione](#), Rowan University AMMI

[Amir Islam](#), Bally Ribbon Mills

[Howard Kliger](#), Retired

[Borvs Schafran](#), Schafran Associates

[Jaelyn McLaughlin](#), Rowan University

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