

Chapter Officer Elections Close at End of May

NJ SAMPE Chapter members with active professional membership should have received an e-mail containing a link to access a virtual election ballot. If not, please contact joe@njsampe.org ASAP.

Voting must be completed before June 1.

2025 - 2026 Election Slate

Benjamin M. Rasmussen Chair

Joe Abrantes
Melissa Jaime

Vice-Chair

Joe Abrantes
Amir Islam, PhD

Treasurer

Megan Casey, PhD

Secretary

Raj Sundar, PhD

Membership Chair

Amir Islam, PhD

Programs Co-Chairs *

Joseph Geiger
Howard Kliger, PhD
Paromita Nath, PhD

Voting Director

Amir Islam, PhD

Media Chair

Sarah Minhas

Student Liaison Officers *

Joe Abrantes
Joseph Geiger

Young Professional Representatives *

Jaclyn McLaughlin
Sarah Minhas

*Select 2 candidates for these roles

Thursday, June 5 - Joint Meeting with the Baltimore-Washington SAMPE Chapter

Hosted by:

Waters™



The New Jersey and Baltimore-Washington Chapters of SAMPE are excited to present a joint meeting on Thursday, June 5.

TA Instruments - Waters LLC, the world leader in manufacturing specialty measurement systems for thermal analysis, rheology, microcalorimetry and mechanical analysis, has invited us to meet at their corporate headquarters and training facility in New Castle, DE.

SAMPE members and friends are welcome to join us for an evening of professional networking, dinner, presentations from TA Instruments applications scientists, and a lab tour.

Mark Staub, PhD will present an overview of rheological testing for battery slurry research, development, and manufacturing.

Behbood Abedi, PhD will discuss how rheometers can be utilized for powder material characterization - highlighting examples in battery production, pharmaceuticals, and additive manufacturing.

Location

TA Instruments
159 Lukens Dr, New Castle, DE 19720

Agenda

4:30 PM - Introductions & Networking
5:00 PM - Dinner & Presentations
6:15 PM - Applications Lab Tour
7:00 PM - Adjourn

TA Instruments has graciously offered to sponsor registration fees.

All attendees must pre-register using the online form available [here](#).

The presentations will also be streamed live via Microsoft Teams. A virtual meeting link can be requested from melissa@njsampe.org.

About Our Featured Speakers

Mark Staub

Applications Scientist

Mark Staub, PhD is currently an Application Scientist in the Global Applications group at TA Instruments -Waters LLC.

Dr. Staub received his BSc degree in Chemistry at Gettysburg College and subsequently earned his PhD in Materials Science and Engineering (Polymer Science focus) at Drexel University.

In his role at TA Instruments, he leads the Theory and Application courses on rheology and mechanical analysis.

Mark has published seven first-author peer-reviewed articles, various co-authored articles, and several application notes.

Behbood Abedi

Applications Scientist - Rheology

Behbood Abedi is an Applications Scientist at TA Instruments, based in New Castle, Delaware.

He holds an MSc and PhD in Mechanical Engineering from PUC-Rio, where he was part of the Rheology Group led by Professor Paulo R. de Souza Mendes.

Dr. Abedi specializes in the rheology of time-dependent materials and their diverse applications. His postdoctoral research at the University of Wyoming focused on innovative solutions for underground hydrogen storage using time-dependent soft-solids.

Behbood has authored over ten scholarly articles in scientific journals.

Calendar

NJ SAMPE Events

June 5, 4:30 PM

TA Instruments Seminar & Lab Tour
New Castle, DE | [Registration Required](#)

*Joint meeting with the
Baltimore-Washington Chapter*

September

Chapter Meeting, Date TBA

October 16, 11:00 AM

42nd Annual Golf Outing
Picatinny Arsenal Golf Club
Dover, NJ

CAMX 2025

September 8 - 11

Orlando, FL

Sponsor of the Month: Novoset, LLC

Novoset is recognized as a developer of high temperature hydrocarbon resins, cyanate esters copolymers, and specialty high-end epoxy formulations for the electronics, aerospace, and automotive industries. Their products are suitable for disruptive technology such as 3D printing processes and cost-effective resin infusion in composite industries.

The company was established in 2011 by Founder & CEO Dr. Sajal Das, at Peapack and Berkeley Heights, NJ locations. Das is an entrepreneur, angel investor, and key architect - product development and market creator leader.

Novoset's hydrocarbon resins are specially designed for use in devices enabling innovative next generation 5G technologies. In 2019, Novoset licensed their 5G hydrocarbon resin technology to Shin-Etsu Chemicals of Japan.

Highlights:

First to enter patented CPD-based 5G material technology for semiconductor packaging industries. In 2019, "100 R&D" award finalist for 5G resin development.

First to market high temperature patented 3D printing materials based on cyanate ester resins. 10 patents have been awarded, 2 are pending. Various patents licensed to large chemical and aerospace parts manufacturing companies and established manufacturing arrangements of hydrocarbon and 3D products. 3D products are used in space applications by NASA and Space X.

The company has also developed 3D-bioprinting technology for potential use in medical device applications. Two major biodegradable patents awarded - Novoset seeks to license the technology to chemical manufacturing or 3D printing companies.

Novoset is actively working on ultralow and high Tg materials for new AI-driven data center applications with an OEM.

For more information, contact:

Dr. Sajal Das
87 Main Street
Peapack, NJ 07977
sdas@novoset.com
novoset.com



Thank You to Our 2024 - 2025 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 ten SAMPE Fellows, thirteen 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 Liaison
Media & Communications
Young Professional Representatives
Advisors-at-Large

[Melissa Jaime](#), Aurorium
[Joe Abrantes](#), Evonik
[Megan Casey](#), TotalEnergies Cray Valley
[Raj Sundar](#), AGC Chemicals Americas
[Amir Islam](#), Bally Ribbon Mills
[Behrad Koohbor](#), Rowan University
[Joe Abrantes](#), Evonik
[Sarah Minhas](#), Bally Ribbon Mills
[Jaelyn McLaughlin](#), Rowan University & [Joe Geiger](#), Bally Ribbon Mills
[Howard Kliger](#), Retired & [Borys Schafran](#), Schafran Associates