



Vinyl Division

Summer 2023

The Vinyl Division of the Society of Plastics Engineers exists to stimulate and encourage the interchange of non-proprietary information, and to promote the scientific and engineering knowledge related to vinyl plastics technology.

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Chair's Message

Hello Vinyl Division!



I hope you have all had a great summer. I know that I am certainly looking forward to a break in the heat, but here in Texas we certainly have a while to go. This has been an exciting and busy summer for the Vinyl Division including Vinyltec® planning, BOD elections, and a new round of student scholarships.

The current level of participation in the Vinyl Division has been something great to see. Newer members have been stepping up many ways this year including the TPC and the BOD. Raechel Sincavage (DOW) and the TPC have been working hard to put together a great technical program for this year's Vinyltec®- "Positioning Vinyl for the Future". The program will include technical developments, market and regulatory updates, and the latest in vinyl sustainability. The tutorial will focus on PVC formulation, processing, and testing. I hope you will join us October 10-12 in Akron for what is always a highlight of the year. For registration and sponsorship opportunities follow this [link](#).

Additionally, following our Vinyl BOD Director election we welcomed four first-time Directors! The new directors, Phil Cascais (Galata), Zach Hoffman (Kisuma), Brittany Walls (Alphagary), and Lora Liang (Azek) have supported our industry and division for some time now. I am excited to see what their experience and perspective brings to our organization.

Capping off a productive summer we have recently awarded the 2023 Vinyl Division student scholarships. This year we had three very deserving awardees: Lauren Cox (*daughter of Maryellen Cox, Teknor Apex*), Cole Murphy (*son of J.P. Murphy, Norac*), and Zachary Labuda (*son of Jason Labuda, AM Stabilizers*). Please join me in congratulating each of our recipients!

I hope to see you all at Vinyltec®!

All the best.
Sam Timpa

Samuel D. Timpa, Ph.D.
Chair, Vinyl Division

Education Chair Report

Our scholarship program aids in the education of Vinyl Division family members. \$2,500 scholarships were awarded to each of our three talented recipients below:



Lauren Cox



Cole Murphy



Zachary Labuda

- Lauren Cox, *daughter of Maryellen Cox (Teknor Apex)* recently graduated from LaSalle Academy in Providence, RI. She will be attending Boston University this fall, majoring in Biology with a pre-Health track.
- Cole Murphy, *son of J.P. Murphy (Norac)* is attending Galveston College, majoring in Business.
- Zachary Labuda, *son of Jason Labuda (Amfine)* is majoring in Finance at the University of Utah.

Congratulations to all of our winners, and best of luck in your future endeavors!

We're looking forward to our Vinyltec® keynote from Matthew A. Harthcock (SPE Foundation Chair) and John Fellenstein (with PlastiVan®): "Changing the Perception of Plastics – from the Classroom to the Community". This talk will cover, among other things, the positive efforts of the plastics industry to address the challenges we face in the public arena. It truly is a matter of educating others, from children to adults. Come to Vinyltec® in October, and leave with a greater understanding of how we can engage others on the many benefits our industry brings to society.

Andy Bourgeois
Andy Bourgeois,
Education Committee Chair

Member in the News

In 2021, the National Association of Manufacturers honored Moore with its STEP Ahead Award. She's also been awarded the Vinyl Institute's Roy T. Gottesman Leadership Award, the Society of Plastics Engineers' outstanding service award and several joint patents.



"Sylvia is an icon in the PVC industry. ... Her leadership on industry issues is tireless, and many associations in North America rely on her intelligence, her guidance and her determination to take on the most challenging industry issues and work them to solution," said Aíne Curran, president and CEO of the Vinyl Institute of Canada and past Women Breaking the Mold honoree.

Source <https://www.plasticsnews.com/women-breaking-mold/sylvia-moore-shintech-inc-women-breaking-mold-2023>

Sylvia Moore, Shintech Inc.

VINYLTEC® 2023
Hilton Akron Fairlawn Hotel and Suites
3180 West Market Street
Akron, Ohio 44333
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TUTORIAL — PVC 101

October 10, 2023

The morning session will cover PVC resin and its different additives.
The afternoon session will cover PVC compounding, manufacturing, and testing.
8:30 AM–5:00 PM with Lunch

Keynote/ Introduction — Zachary Hoffman, Kisuma
PVC Resin — Curt Badeau, Formosa
Plasticizers — Amanda Freshwater, Valtris
Stabilizers — Stu Parks, Galata Chemicals
Lubricants — Rob Decker, NORAC Additives
Process Aids and Impact Modifiers — Nicole Fusco, DOW
Dry and Liquid Compounding — Ralph Purtell, Purtell Vinyl Consulting LLC
Injection Molding — Bob Schilling, formerly of GEON
Brabender / Torque Rheometer Overview and Applications — Matt Luebbers, CW Brabender
Weathering Additives — Joseph Fay, BASF
Weatherable Performance and Testing — Andy Francis, Q-Lab
PVC Lab Testing Overview — Mark Lavach, Arkema



Call for Poster Presentations

SPE's Vinyl Division announces a call for poster presentations for the upcoming: Vinyltec®2023:

Positioning Vinyl for Tomorrow

October 10-12, 2023 • Hilton Inn, Akron, OH

The Vinyl Division Technical Program Committee is soliciting poster presentations in the following areas:

- Resin and Additives
- Sustainability and Recycling
- Megatrends (Climate Change, Data analytics & Digital Connectivity, Decentralized Financing, Globalization, Health & Wellness, Populations Shift, Resource Constraints, Social Responsibility, Transparency, Workforce Resilience)
- Vinyl Industry Association Updates

Posters will be highlighted during the cocktail hour and coffee breaks. A great time to show off new product/technical innovations!

Timeline: **Title submission by September 20, 2023**, Abstract due date is **September 25, 2023**

Please Contact: TPC Chair, [Raechel Sincavage](#) with proposed poster title and author



VINYLTEC® 2023 MAIN PROGRAM

The main program will include topics spanning the entire PVC industry including technical developments, market and regulatory updates, and industry sustainability advancements.

Vinyl Industry Association

The Vinyl Institute of Canada, Advancing Sustainability – **Aine Curran**, Vinyl Institute of Canada

Regulatory Update for Plasticizers and Other Additives – **Pat Harmon**, BASF Corporation

The Intersection of Policy and Strategy for the US Vinyl Industry – **Ned Monroe**, Vinyl Institute

Increasing Sustainability in the Low Slope Roof Market Through PVC (Vinyl) Membrane Recycling –

Rich Krock, VyChlor Advisors, CFFA

Resilient Floor Covering - An Overview of the Fastest Growing Category of Flooring-

Bill Blackstock, Resilient Floor Covering Institute

Market Trends and Opportunities for Vinyl Products in Construction – **Ed Hudson**, Home Innovation Research Labs

2023 Plasticizer Update - **Mark Holt**, Valtris Specialty Chemicals

Resin & Additives

Acrylic Chemistry in Capstock Applications – **John Cornetta and Manoj Nerkar**, Dow

PVC Stabilizer Effects on Rheology – **Bob Smith**, PMC Group

The Manufacture of Ground Calcium Carbonate Products and the Impact of These Products on the Performance of Vinyl Applications – **Allison Calhoun**, Incoa

Torque Rheometry and Extrusion Capillary Rheometry of PVC and CPVC Pipe Formulations – **Carl Dolgow**, Brabender

A Dual Multi-Layered Organic-Inorganic Additive System for an Enhanced Antimicrobial Activity in PVC-based Synthetic Leather Products – **Juliana Lasprilla**, Spradling Group

ImerBuild™, New Mineral Solutions for Building & Construction – **Eric Ernst and Jennifer Lin**, Imerys

Megatrends

Effects of Composition on ELVALOY™ KEE Performance – **C.J. DuBois,* Alisa Chen, Josh Enokida, Yijian Lin, Arnaldo Lorenzo and Viraj Shah**, Dow

Identifying Lubricating Effect of Rigid PVC by Wall Slip – **Xuhui Wang**, Rimtec Corp

Glossing Over the Details: Controlling Gloss Levels in Filled PVC Systems with Ester Technology – **Ehsan Moghbel li**, Emery Oleochemicals

Improved Novel Exudation Methodology – **Jacyr Quadros Jr**, Innoleics

Sustainability

Sustainability of Vinyl Sheet Piling – **Steve Hargrave**, CMI

New Multi-Institutional Project on PVC Recycling and Upcycling – **Li Xi**, McMaster University

Electrochemistry to Break Down Plasticizers in PVC – **Prof. McNeil**, Graduate Student Rahul Jha

A Roadmap to Sustainable Acrylic Modifiers for PVC – **Kristen Ondesko**, Arkema

De-Chlorination of PVC in Mixed Plastics on the Planetary Roller Extruder (PRE) prior to the Pyrolysis Recycling Process – **Michael Batton**, ENTEX Rust & Mitschke GmbH, Bochum

Keynotes

Changing the Perception of Plastics – From the Classroom to the Community – **Matthew A. Harthcock**, SPE Foundation
John Fellenstein, SPE PlastiVan® Educator

Role of Agriculture in Creating More Sustainable Solutions – **Dawn Emerson**, Cargill



Keynote

CHANGING THE PERCEPTION OF PLASTICS – from the Classroom to the Community

Matthew A. Harthcock, SPE Foundation Board Chair

John Fellenstein, SPE PlastiVan® Educator

Synthetic polymers and plastics touch all areas of our lives; they have become ubiquitous with our modern lifestyles. We enjoy functional clothing, amazing handheld computing devices, safer and more efficient vehicles, shelf-stable food products, and better health/medical outcomes to name a few. These valuable materials benefit society in countless ways.

All materials, including metal, wood, stone, and plastics have benefits and challenges in design, use, and disposal/reuse. Due to their low cost, ease of processing, flexibility, strength, and durability plastics have come to prevail as the material of choice for many uses. While these properties are very appealing to industry, the unforeseen effects of plastics on our environment have created an entirely new set of challenges.

As industry professionals we are aware of the attention that plastics have garnered and are working on solutions to these problems. Although we are working on solutions, the future still holds many challenges. We are responsible for educating ourselves on materials, their use, and end of life uses. The Society of Plastics Engineers (SPE) Foundation supports SPE with several initiatives that educate members of society about the benefits and responsible uses of plastics.

The SPE Foundation supports the development of plastics professionals by funding quality educational programs, grants, and scholarships emphasizing science, engineering, sustainability, and manufacturing while working to create inclusive opportunities for students around the world. These initiatives are fundamental to change the perception of plastics and require the support of SPE, companies, and individuals. We will provide an overview of the Foundation’s activities and initiatives highlighting PlastiVan®. This program demonstrates and provides hands-on education of plastics. Join us in support of positive plastics education to change the perception of plastics in our society.

Vinyltec® Event Sponsors

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SPE CODE OF CONDUCT

This Policy applies to all Society of Plastics Engineers (SPE) Affiliates, including volunteers, attendees, speakers, sponsors, vendors, partners, SPE staff and contractors in connection with their “Society-associated activities.”

“Society-associated activities” means:

- all activities and events sponsored, funded, or conducted in whole or in part by, or otherwise involving, the Society, wherever located;
- performance of, or holding, any Society role, responsibility, privilege, function, contract or other affiliation. SPE will enforce this Code.

Our aim is to build a stronger community. Our goal is to create an environment where everyone feels welcome to participate, speak up, ask questions, and engage in conversation. This requires a harassment free and inclusive environment that recognizes the inherent worth of every participant. We invite all those who participate in SPE to help us create safe and positive experiences for everyone.

We are dedicated to providing a harassment-free environment for everyone, regardless of gender, gender identity and expression, age, sexual orientation, disability, physical appearance, body size, race, ethnicity, or religion (or lack thereof), marital status, nationality, political affiliation, ability status, educational background, or any other characteristic protected by law. We do not tolerate harassment of participants in any form. Harassment includes but is not limited to inappropriate or intimidating behavior and language, unwelcome jokes or comments, unwanted touching or attention, offensive images, photography without permission, and stalking. Disruptive or harassing behavior of any kind will not be tolerated. Sexual language and imagery are not appropriate including during any aspect of the event/conference, meetings, talks, workshops, parties, social media such as Twitter, or other online media.

The Following Code of Conduct allows SPE to create the best experience possible for all stakeholders.

Expected behavior:

- Exercise consideration and respect in your speech and actions.
- Attempt collaboration before conflict.
- Refrain from demeaning, discriminatory, or harassing behavior and speech.
- Be mindful of your surroundings and of your fellow participants. Alert SPE staff if you notice a dangerous situation, someone in distress, or violations of this Code of Conduct, even if they seem inconsequential.
- During any SPE activity no participant should engage in harassment in any form.
- Sanctions may range from verbal warning, loss of Society privileges to ejection from the activity without

refund, to notifying appropriate authorities. Retaliation for complaints of inappropriate conduct will not be tolerated. If a participant observes inappropriate comments or actions and personal intervention seems appropriate and safe, they should be considerate of all parties before intervening. Participants asked to stop any harassing behavior are expected to comply immediately.

Reporting an incident:

Alert SPE staff if you notice or experience a dangerous situation or a violation of this Code of Conduct or see someone in distress even if it seems inconsequential during the event. Please seek out the nearest SPE team member to escalate your complaint. If you see, overhear or experience a violation of the Code of Conduct during an event, please seek out the nearest SPE team member to escalate your complaint. If you cannot find a team member or would like to report a violation after an event, you may email wecare@4spe.org.

IS YOUR VENDOR KEEPING PACE WITH YOU?



The 2021 & 2022 supply chain crunch exposed weaknesses in supply chain and capacity around the globe. It is more important than ever to make sure that you are partnered with vendors that align with your growth goals. We strive to continue to grow our portfolio by adding new manufacturing partners and working with partners that invest in the future.

PROUD PARTNERS WITH



Councilor's Report

August, 2023



Since my last article for the Vinyl Division Newsletter, the SPE Council has been active. As the Vinyl Division Councilor, I attend Council events like the Leadership roundtables, CCOW (*Council Committee of the Whole*) meetings as well as meetings at the ANTEC's. This year so far, I attended the roundtables, the meetings at the 2023 ANTEC® and the CCOW and a recent Councilors roundtable.

I attended the Spring 2023 ANTEC®, March 27 to 30 on behalf of the Vinyl Division. Below are comments about this ANTEC®:

Council and Leadership round table:

- The 2023 strategic plan for the SPE was discussed;
- The new Executive Board was introduced;
 - The newly elected members (3 elected),
 - The four BOD members who were appointed.
- There was a discussion on changing name of the SPE to be more inclusive. Include scientists and others who are SPE members in name? No decisions or suggestions offered.
- SPE bought 3Dnatives. 3Dnatives presented an introduction to their company. It is about additives manufacturing which is a developing application. 3Dnatives is very much like SpecialChem which is a marketing company.
- Budget presented for 2023.

Awards luncheons

- New Fellows and HSM's recognized
 - President cup for this year was deferred but previous winners were recognized
- In June we had a CCOW meeting. We reviewed Bylaw changes, nominations committee formed for the elections later this year as well as the financial status of the SPE. Also, the next ANTEC® site and dates were presented.
- Bylaw changes – All titles attached to the directors of the SPE will be dropped. I was the first VP of Events and actually I believe it is wise to drop these titles during election.
 - There was a financial loss in 2022 but the years 2020, 2021, and 2022 were net positive gain;
 - It is expected to have a gain in financials in 2023.
 - The nomination committee for the next election later this year was formed.
 - The 2024 ANTEC® will be on March 4 – 7, 2024 in St. Louis at the Marriott Grand hotel.

We had a leadership round table on July 27th regarding expanding hot topics conferences. If anyone has an idea on a hot topic let us know.

The next big event for the Vinyl Division is the 2023 Vinyltec®. It will be held in Akron Ohio on October 10 to 12. Go to the SPE website to register. Hope to see you there.

Comments? Please let me know.

That is the report to date.

Bill Arendt
William Arendt
Vinyl Division Councilor

Membership Report

As of July 20, 2023 the SPE Vinyl Division was comprised of 346 members.

A special welcome to the following new members!

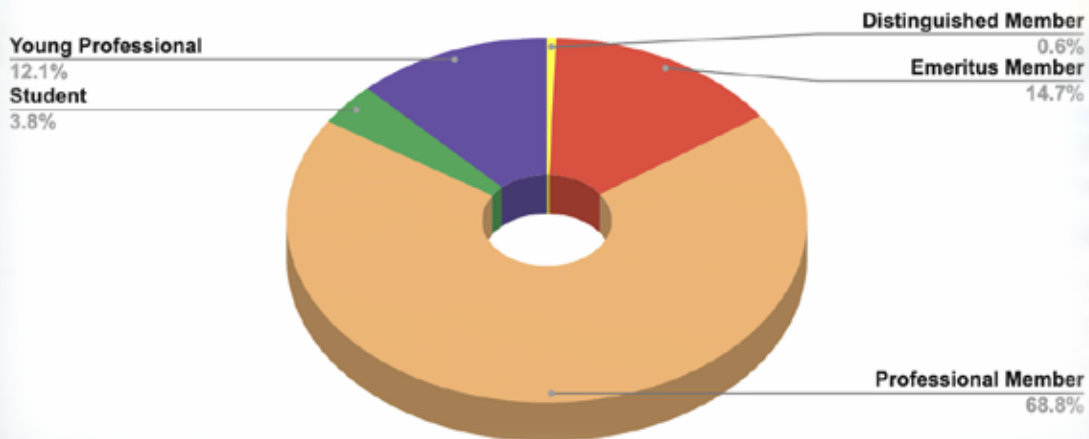
October 28, 2022- July 20, 2023

Join Date	Name	Company Affiliation	Member Status
1/24/2023	Zachary Hoffman	Kisuma Americas Inc.	Professional
3/1/2023	David Cannon	Bisley	Professional
3/23/2023	Jim McEachran	Wilshire Works	Professional
4/14/2023	Anders Magnusson	Thevinyl AB	Professional
4/24/2023	Clayton Ameel	Belden Wire & Cable	Professional
5/4/2023	Rommel Hariprashad	K-Bin Inc.	Professional
6/20/2023	Gregory Jackson	Akdeniz Chemson	Professional

MEMBERSHIP CHART

346 TOTAL

Membership Type Distribution



Emily McBride
Emily McBride
Membership Chair, Vinyl Plastics Division



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Vinyl Division

The Vinyl Division of the Society of Plastics Engineers is currently looking for businesses to fill sponsorship opportunities in this newsletter publication. Not only does this help publicize your business, but it helps to support our Division efforts to communicate more effectively with our members with our newsletter.

Column Width: 3-7/8" wide.

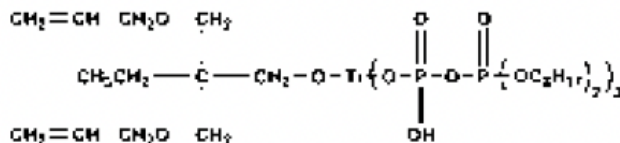
The following options are available:

Option A	One Column by 2" high	\$100
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Acceptable formats are: .bmp .pcx .jpg .tif .gif MS Power Point or Word, but please export as .pdf

File size limit: 700K This is an electronic newsletter which is published to the membership and posted on the SPE website. Please also provide the website address you wish your sponsorship to be pointed to when viewers click on your space. We will embed this, we just need to know where you want this directed.

Contact Peggy Schipper for more information or to attach your artwork.



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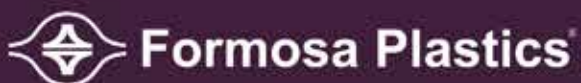
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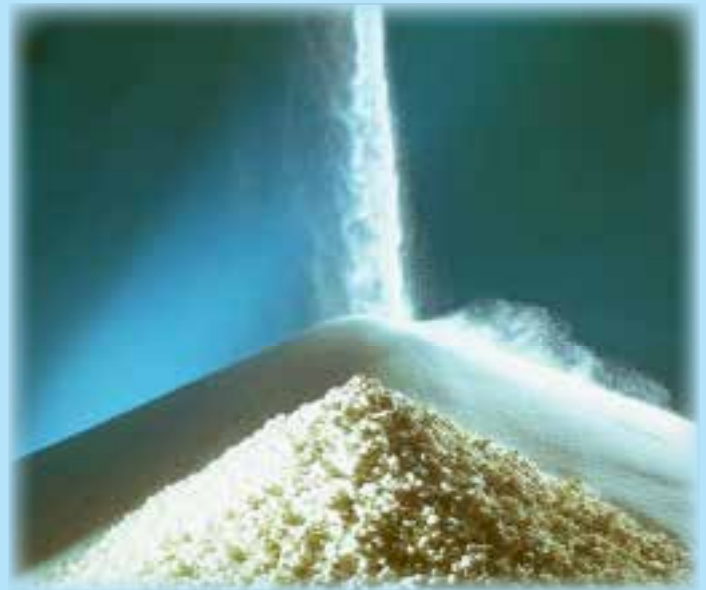
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Vinyl Division

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SAVE THE DATE!

VinylTec 2023

October 10
October 11-12
 Tutorial
 Tuesday, October 10, 2023
 Conference
 Wednesday-Thursday, October 11-12, 2023
Location:
Akron, Ohio

Hosted by SPE Vinyl Plastics Division and
 SPE Akron Section



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