



Vinyl Division

Summer 2024

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



As we approach our annual and exciting Vinyltec® event, I would like to use part of my first President's message as newly appointed President of the Society of Plastics Engineers Vinyl Division, to offer my thanks and appreciation to our past President, Mr. Sam Timpa. Sam stepped into the role under some tribulation, but has been a jovial example of good servant leadership. As many of us know, this position can require flexibility and adaptability, and Sam has exhibited both; coming to the position when there was a need, and leading the group during the exit of COVID times. It is with gratitude and gratefulness that we offer our thanks to Sam, and hope that he will continue for many years to come as a Board member and mentor to those that come next.

We now turn our eyes towards Vinyltec®. October will bring a familiar celebration of all things PVC. New innovations and strong collaborations are the drivers for an industry that continues to be at the forefront of performance for the needs of so many companies and applications. We come together to celebrate long friendships, new contributors, and storied careers. I am confident that our hard working Technical Planning Committee (TPC), under the leadership of our TPC Chair Brittany Walls, will bring a program that shines like all our previous events. We hope to see everyone in Chicago for this year's celebration.

In an era that continues to put PVC to the test, we strive to empower an industry that has been a stalwart supporter of progress in so many aspects of our lives; from the life and death stakes of medical devices, to the cars and trucks that get us to work and bring us our food; from the electrical grids that supply the power of our homes to the aircraft that protect our skies. Vinyl remains an integral and important part of our lives. Its properties and performance in so many applications can not be denied. While we often struggle with the intricacies of a new sustainability-conscious world, it is plain that vinyl can support us as we evolve and innovate how best to secure our world in the right way; bal-

continued on page 2

continued from page 1

ancing our needs as a global society and the necessity of safeguarding our environment for future generations.

I want to close my comments this time with a call to all members that are not currently actively involved in the Vinyl Division or our TPC to please consider becoming an active part of our team. It is through participation in planning and organizing that you can contribute to our industry, and help to bring new ideas to light and change to our markets. We operate by bringing together some of the best minds and personalities in the polymers industry to further our world with new ideas and better cooperation, be it in technology, regulation, communication, or education. It is only through our members that we can accomplish anything as a group.

All the best,

Ron Raleigh

Ron Raleigh
Chair, Vinyl Division



The image shows the logo for SPE VINYLTEC, featuring a green shield with 'spe' in white lowercase letters and 'VINYLTEC' in large, bold, grey uppercase letters. Below the logo, it says 'October 22-24, 2024 • Chicago, IL' and 'Presented by SPE Vinyl Plastics Division and SPE Chicago Section'. A QR code is positioned to the right of the logo. The background of the graphic is a photograph of the Chicago skyline at sunset, viewed from a high angle looking down at the city and the lake.

"Welcoming the Future of Vinyl"

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Vinyltec® 2024 – Welcoming the Future of Vinyl

SPONSORSHIP & TABLETOP REGISTRATION AVAILABLE FOR THIS YEAR'S EVENT!

The Society of Plastics Engineers Vinyl Plastics Division and Chicago Section will host Vinyltec® 2024 at the Marriott Chicago O'Hare - October 22-24. "Welcoming the Future of Vinyl" is focused on technologies and topics of importance to the vinyl plastics industry. Vinyltec® offers a one-day tutorial followed by two days of exciting & timely presentations and networking opportunities with industry colleagues.

The SPE Vinyl Plastics Division, SPE Chicago Section and Chicago SPE Educational Foundation have helped the SPE Foundation fulfill its mission of supporting workforce development in the plastics industry with \$90,000 in giving since 2016. These funds have supported PlastiVan®, scholarships, and our Girl Scout Council STEM Patch program.

Visit the Vinyltec® 2024 webpage for
exhibit & sponsorship registration or contact [Brittany Walls](#) for details.

[Registration \(Click here\)](#)

#Vinyltec2024 #vinyl #pvc #sustainability #plasticsrecycling



VINYLTEC®

October 22-24, 2024 • Chicago, IL
Presented by SPE Vinyl Plastics Division and SPE Chicago Section

VINYLTEC® 2024 TUTORIAL AGENDA—TUESDAY, OCTOBER 22

<i>AM Moderator</i>	<i>Zach Hoffman Kisuma</i>
8:00 AM	Introduction / Keynote Beth Griffin, Polymer Consulting
8:05 AM	Resin Alan Kupfer, Retired
8:35 AM	Stabilizers Bob Smith, PMC
9:20 AM	Processing Aids & Impact Modifiers Greg Zientek, Kaneka
9:55 AM	Break
10:20 AM	Plasticizer (General & Specialty) Sam Timpa, BASF Corp.
11:20 AM	Lubricants Rob Kwapisz, Rheogistics
11:50 AM—12:55 PM	Lunch
<i>PM Moderator</i>	<i>Lupita Arellano Kisuma</i>
12:55 PM	Fillers Parashar Dave, Huber
1:30 PM	Flame Retardants Tom Shelling, Huber
2:15 PM	Compounding Julianna Portelli, Teknor Apex
2:50 PM	Break
3:15 PM	Extrusion / Torque Testing Randy Brown, Innovative Plastic Processing (IPPI)
4:05 PM	Considerations for Recycled Materials Brett Diehl & Alison Martin, Plaskolite (formerly Azek)
5:30 PM	Reception



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VINYLTEC® 2024 CONFERENCE PROGRAM WEDNESDAY, OCTOBER 23

8:00 AM	Welcome Comments & Event Introduction
<i>AM Moderator</i> Steve Torchia Sasol	Sustainability & Recycling
8:10 AM	Sustainable Plasticizers? Patrick Harmon, BASF Corp.
8:40 AM	Circular Vinyl Technologies (CVT) – Understanding PVC Compositions & Stability for Recycling & Reprocessing Dr. Li Xi, McMaster University
9:10 AM	Recycling of Polyvinyl Butyral (rPVB) from Car Windshield Manoj Nerkar, Dow
9:40 AM	Break
10:00 AM	Advancing Electrochemical PVC Recycling Toward the Production of Commodity Chemical Products Dr. Bertrand Neyhouse, University of Michigan
10:30 AM	Novel Bio-Based Plasticizer for High Temperature Applications Will Bragg, Cargill
11:00 AM	Q&A with AM Presenters
11:45 AM	Lunch & Keynote Presentation Climate Change: Data, Graphs, & Facts Randy Brown, Innovative Plastic Processing (IPPI)
<i>PM Moderator</i> Lupita Arellano Kisuma	Resin & Additives
1:15 PM	EverWhite® Pigment (EWP-5) as a TiO ₂ Pigment Enhancer in PVC Compound Chris Ahmer, US Silica
1:45 PM	Formulation Development and Characterization of the Rheological, Mechanical, & Thermal Properties of PVC/CPVC Blends Shane Harton / Matt Luebbers / Sandra Pejic, Thermo Scientific
2:15 PM	Impact Failure Mechanisms in Rigid PVC Eric Peterson & Mark Lavach, Arkema
2:45 PM	Break
3:00 PM	Nonylphenol-free Liquid Phosphite Stabilizer for Food Contact Applications Stuart Parks, Galata Chemicals
3:30 PM	Advances in Hydrotalcite Technology to Enhance PVC/CPVC Critical Properties John Scott, Kisuma
4:00 PM	Q&A with PM Presenters
5:30 PM	Reception



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VINYLTEC® 2024 CONFERENCE PROGRAM THURSDAY, OCTOBER 24

AM Moderator
Jennifer Rapp
Exxon Mobile

Vinyl Industry Association

8:00 AM	The Health, Safety, & Environmental Performance of PVC Pipe Richard Nichols, Uni-Bell
8:30 AM	EPA Evaluation of Vinyl Chloride Under TSCA Christina Xydis, Vinyl Institute
9:00 AM	Polymeric Exteriors: Challenges & Opportunities, Legislation and Workforce Development Alex Fernandez PEPA (Polymeric Exterior Products, formerly Vinyl Siding Institute)
9:30 AM	Break
9:45 AM	Mastering Quality Assurance: Setting the Standards for Coated Fabrics & Film Steve Rye, Omnova & Matt Coady, CGT CFFA (Chemical Fabrics & Films Association)
10:15 AM	Modern Vinyl: How the +Vantage Vinyl Standard is Changing the Perception of Vinyl Jay Thomas, Vinyl Sustainability Council
10:45 AM	Q&A with AM Presenters
11:30 AM	Luncheon & Awards

PM Moderator
Tribu Persaud
Norwich Plastics

Innovation / NPD

1:00 PM	Megatrends Roland Ruprecht, Teknor Apex
1:30 PM	PolyJoule Ultra-Safe Energy Storage Eli Paster, PolyJoule
2:00 PM	Break
2:15 PM	Innovation in Extrusion Technology — Continuous In-line Blending, Extrusion & Pelletizing Andreas Holt, Theysohn Extrusionstechnik GmbH
2:45 PM	Industrial AI: Solving the Unsolvable Problems Bryan DuBois, RoviSys
3:15 PM	Q&A with PM Presenters
3:45 PM	Closing Remarks



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Vinyltec® 2024 – Monday, October 21 Record Tour

Tour Smashed Plastic
A Modern Boutique Vinyl Record Pressing Business
October 21, 2024



First departure at 12 PM, last return at 4:00 PM
Leaving from Marriott O'Hare to
4200 West Diversey, Chicago, IL (*the former Hammond Organ site*)

Cost - \$20 ([Click here to register](#))

Smashed Plastic is a boutique, modern vinyl pressing and packaging business. Steve, John and company will show us the modern techniques of vinyl record pressing, from receiving masters through quality checks for appearance and sound, packaging and fulfillment. Many Chicago bands and artists have produced records through Smashed Plastics.

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Vinyltec® 2024 Register Today!

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Visit the Vinyltec® 2024 webpage for registration and program information or contact Brittany Walls for details.

[SPE Vinyltec 2024](#) (constantcontactpages.com)

#Vinyltec2024 #vinyl #pvc #sustainability #plasticsrecycling

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Councilor's Report



As the Vinyl Divisions Councilor I attended the ANTEC® 2024 Leadership meeting in St. Louis Missouri on March 4, 2024. Below are some of the highlights from the meeting:

- The recent election for officers was reviewed and the following are now directors on the board:
- Elected–Dr. Margret Sobkowicz; Dr. Mubashir Ansari.
- Appointed–Ellen Lee; Gustavo Nechar; Jungmee Kang.
- Scott Eastman is the President Elect.

As always, the financial performance of 2023 was reviewed. The SPE is in good financial shape. Next here was a review of the SPE strategic plan during a workshop with the Society leaders. The structure of the SPE headquarters, Divisions and Sections were reviewed. Each part of the SPE was reviewed to see where we are before changes would be considered. Information sharing seemed to be an important part of the SPE.

The Councilors are a part of that process on communication (like this Newsletter column). The natural question is how is the best way to use Councilors to improve the SPE. Councilor's role was defined at this meeting to be advisors and not part of the governing body. How do we handle this in the future? This became the focus of a Zoom meeting of the Councilors.

On May 3, 2024 there was a remote meeting of the SPE Officers and the Councilors. The goal of this meet was to: review the ANTEC® 2024 Leaders meeting notes; understand and discuss the differences between leadership ideas and Councilors; and, propose a path forward to develop proposals on how to return Councilors to relevance. Communication to the membership is envisioned to be a key role for Councilors (and still is). During the call the following Councilor role suggestions were: provide strategic guidance; more oversight of the Executive Board; active participation in shaping SPE policies; and contribute to operational decisions. A committee of Councilors will be formed to better define roles for Councilors.

The SPE is evolving and this is an excellent approach to improve the Society. Councilors do represent their constituents and it is really important to help the Society to bring meaning for all.

The 2024 Vinyltec® will be in Chicago O'Hare Marriott on October 22 to 24. I hope all will consider attending this great meeting.

Bill Arendt

William Arendt

Honored Fellow of the Society,
Vinyl Division Councilor

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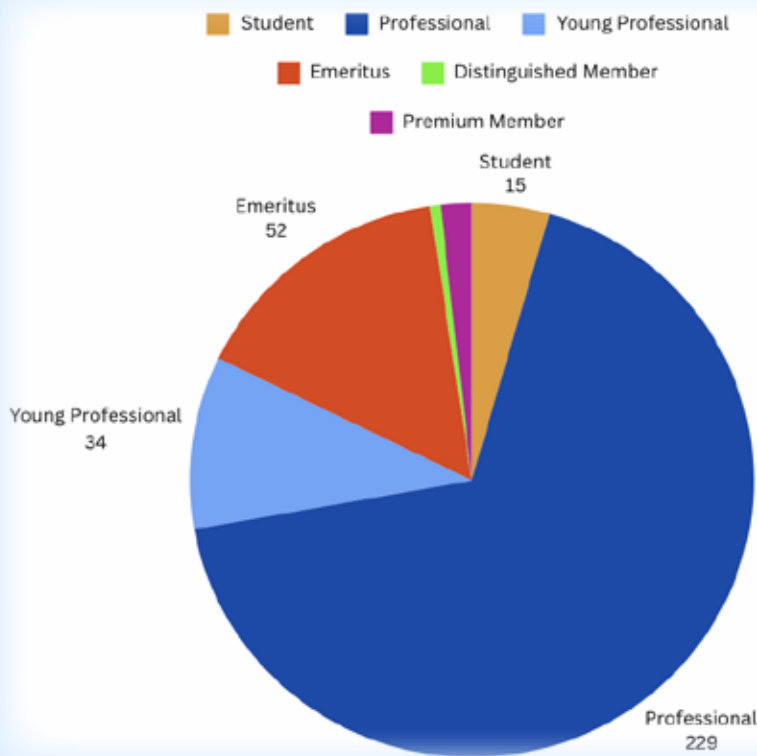
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Membership Report

A special welcome to the following new members!
 January 14 – August 14, 2024

<u>Join Date</u>	<u>Name</u>	<u>Company Affiliation</u>	<u>Member Status</u>
1/18/2024	Sameer Abass	University of North Texas	Student
1/25/2024	Darby Grech	Canadian General-Tower Ltd.	Professional
1/27/2024	Samruddhi Bansod	India	Student
3/20/2024	Scott Martin	Anton Paar	Professional
3/25/2024	Cai Rubin	Aklon International Co., Inc.	Professional
4/05/2024	Daniel Stephens	PVC Science dot com	Professional
4/10/2024	Joshua Enokida	The Dow Chemical Company	Professional
4/22/2024	Raj Sundar	Independent	Professional
5/08/2024	George Thacker	PVC Consultant	Emeritus
6/14/2024	Ke Zhan	Auburn University	Student
8/05/2024	Luis Ruiz	UANL FIME University	Student
8/08/2024	Jeremy Acord	Chelsea Building Products	Professional
8/14/2024	Keith Weaver	Kisuma	Professional



As of August 14th the total Vinyl Division Membership count was 338.

Membership Distribution

Emily Mayes
 Emily Mayes
 Membership Chair, Vinyl Plastics Division



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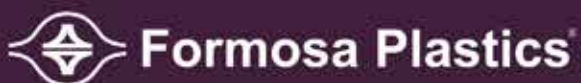
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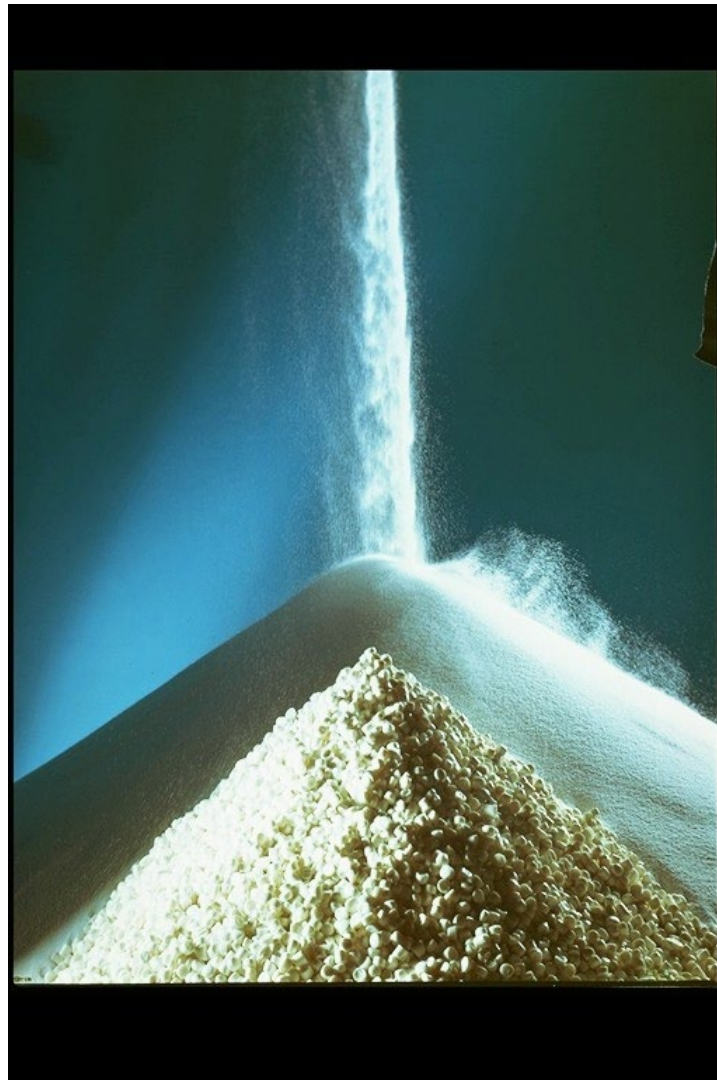
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Vinyl Division

Society of Plastics Engineers
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ANTEC® 2025
When: March 3-6, 2025
Where: Philadelphia, PA
March 3-6, 2025
Sheraton Philadelphia Downtown
201 North 17th Street, Philadelphia, PA 19103



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