



Vinyl Division

Summer 2019

Chairman's Message

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.

Officer's List

- Chair:** Emily McBride
emily.mcbride@emeraldmaterials.com
Emerald Kalama Chemical
- Past- Chair:** Robert Weiler
rweiler@amfine.com
Amfine Chemical Company
- Councilor:** Robert Weiler
rweiler@amfine.com
Amfine Chemical Company
- Treasurer:** Randy Brown
iplasticpi@zoho.com
IPPI
- Membership Chair:** Roman Wypart
rwypart28@gmail.com
CPG International
- Secretary:** Beth Fitch
beth.a.fitch@exxonmobil.com
Exxon Mobil

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As our BOD Past-Chair Bob Weiler would say, "Greetings, Vinyl Division!"

A number of you know me already, but for those who don't (*or perhaps don't know me well*), please let me introduce myself and provide a little background on my experiences participating in the Vinyl Division. I am, in fact, a millennial (*just barely—born in 1982*), and I was introduced to the Vinyl Division in 2010 by my mentor, Bill Arendt (*pronounced "aren't" for the few of you out there who don't know him!*). I was quickly voluntold into a number of activities within the Technical Program Committee, and from there began my foray into volunteering (*sometimes even without arm-twisting to do so*) with an amazing group of professionals who quickly became friends.

I volunteered as secretary for the TPC in 2011, and when my son became very ill, I was given a pass on becoming the TPC chair until I was "back in the game." The support I received from the other TPC members during that very difficult time was really incredible. In 2013, I got back to work in the division and had the pleasure of organizing the 2014 Vinyltec conference in Indianapolis. This was a very fun experience and gave me the "bug" to do it again, but Bob talked me into trying something new by volunteering for the BOD leadership, so here I am!

Because the company that I work for, Emerald Kalama Chemical, is a polymer additive manufacturer, I've had the opportunity of testing a wide variety of applications, including vinyl, adhesives, caulks/sealants, coatings, and other thermoplastic polymers. Of all of these, vinyl is my favorite to work with as it has the widest range of capabilities when compounded. How many other polymers can boast of such a diverse variety of applications as 100+ year performance in underground water pipes, super soft fishing lures, highly engineered decorative films, sound dampening automotive coatings and sealants, long-lasting credit cards, etc.? Add to that its amazing fire resistance, low cost, and excellent carbon footprint, and you have a polymer that other polymers should envy rather than replace.

Chairman's Message- *continued*

The vinyl industry has had to do a lot of work over the past several decades in order to overcome the early issues and misconceptions about vinyl that have been long touted by NGO's. An amazing amount of progress has been made—both from the vinyl manufacturers (*reducing vinyl chloride exposure*) and from organizations (*our SPE Vinyl Division, Vinyl Institute and VinylPlus are a few that instantly come to mind*) full of committed people working towards demonstrating the superiority of vinyl for many applications. More work remains to be done—as continuous improvement is always a goal—and I look forward to engaging with all of you in these efforts.

Before closing, I wanted to emphasize one last time how amazing the folks I have had the honor of working with in the Vinyl Division TPC and BOD are—they are warm, welcoming, knowledgeable, motivated, funny, and fun to be around. While this division is focused on vinyl, it really is all about the people. I highly recommend that you consider volunteering on the TPC, as you will then join me in the honor and opportunity to get to know this group of vinyl professionals.

I hope to see you this October at Vinyltec® in Akron!

Emily McBride
2019-2021 BOD Chair



Bill Arendt receives the prestigious President's Cup Award at ANTEC®2019

Past-Chairman's Message



Greetings Vinyl Division,

I am pleased to report that we have had no need for a special council investigation. I have not colluded with any other division nor do I recall obstructing any investigations.

This is indeed a good time for the Vinyl Division. Seriously, I have enjoyed the trust you placed in me as Chairman and I have been honored to be allowed to serve the Vinyl Division in this capacity. Thank you to our officers, board and committee leaders. It is due to their efforts that we are able to serve our members with quality education, networking and scholarship opportunities.

Emily McBride from Emerald Kalama became our new Chairperson after the ANTEC®2019 on March 18. Emily brings years of experience with the Vinyl Division and I have the utmost confidence that Emily will continue to move the Vinyl Division forward. Please join me in welcoming Emily to this role.

Special congratulations to Bill Arendt. Bill is finishing up over 20 years serving as our councilor or on the International SPE executive board. Bill was recognized for his service to SPE with the prestigious Presidents Cup Award. Congratulations Bill and thank you for your service to SPE and the Vinyl Division.

I have personally found a great deal of satisfaction in working for the Vinyl Division. Vinyl is different from most other polymers. Much has been studied and written about vinyl and its peculiar processing attributes and the hordes of additives used to alter the processing and performance of vinyl. However, much of Vinyl Technology still requires a high degree of art or feel. This combination of art and science is what makes vinyl processing so darn frustrating and so very interesting. I often tell younger engineers that once vinyl gets “in your blood” (*Not physically, of course*) you always come back to it.

We are always looking for more volunteers on our committees and on the board. Contact any officer or board member if you have any questions. I have enjoyed being a part of the Vinyl Division. It is a great opportunity to be a part of and give back to a society dedicated to the people who make up the Vinyl Industry.

Best Regards,
Robert Weiler
rweiler@amfine.com



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Councilor's Report Joint Council Meeting, March 17, 2019.



Presidents Message – Brian Landes, Dow Chemical

New president Brian Landes offered his 3-year plan. His administration intends to focus on making SPE a forum for the discussion of

plastics place in a world where scarcity of raw materials must be balanced with sustainability and waste reduction. If we don't control the discussion, we will not like the outcomes.

CEO Message – Pat Farrey

Pat reports that ANTEC® 2019 will be successful. Advance registration is near 1,100. Total revenue is over \$730,000. New format of 2 days of normal type presentations and 2 days of targeted discussions on key areas seems to be successful.

ANTEC® 2020 – San Antonio - March 30 – April 2

ANTEC® 2021 – Denver – March 22 – 25

SPE will no longer collocate with NPE. Too many conflicts. ANTEC® will be scheduled in mid to late March moving forward. This date is better for students.

Divisions Committee – J. Lyons

I will be a member of the Divisions Committee. Goal is to increase value of Division membership.

Sections Committee – S. Eastman

- ◆ Miami Valley Section has come back to life and is now called Ohio Valley Section. They have expressed interest in holding a Vinyltec® in the future.
- ◆ Toledo Section has returned to good standing from probation.
- ◆ Oklahoma and Nebraska sections are combining.

Technology Committee – C. Carlin

SPE national will now require a form to be filled out before they initiate work for a section or division. This will allow charge back to the proper place and require agreement on the task required. Forms are available on 4SPE.org This is first step to change the way SPE charges for TopCon assistance. Now they charge a percentage of the revenue. In the future they will charge by the task. Too many TopCons require much work, but they have low revenues. VinylTec® is in the top third of income producing TopCons.

SPE Foundation – Eve Vitale

PlastiVan – 159 individual PlastiVan programs have served 21,371 students. Scholarships – SPE Foundation awarded \$34,250 in scholarships.

Robert Weiler

Incoming-Councilor, Vinyl Plastics Division

William D. Arendt

Outgoing-Councilor, Vinyl Plastics Division

Councilor's Report Council Meeting, January-March 17, 2019.

Since the face to face Council meeting in September we have had two teleconference meetings. I attended both. The last telecon was on January 18, 2019 and that was meet the candidates. The key activity this year so far was to vote for officers.

I did vote as all councilors should and the results of the election are as follows:

- ◆ New President: Brian Landes;
- ◆ President elect: Dr Jamie Gomez;
- ◆ Vice President of Events: Bruce Mulholland;
- ◆ Vice President of Young Professions: Lynzie Nebel.

Next events were the meetings at ANTEC® in Detroit (really?). As outgoing Councilor I attended the CCOW and Council 1 at the ANTEC®. I also attend Council 2 and the leadership roundtable.

COC Notes

Len Czuba reviewed the election process –
Comments

- ◆ Only one person was nominated for positions. Should be two.
- ◆ There was a request for more face time to meet the candidates
- ◆ Alternate meeting procedure was suggested by Bruce Mulholland to make elections face to face
- ◆ While the election process has worked a committee will be appointed to consider alternate approaches

Other ideas and agenda items

- ◆ Proposals to get more non dues money – Set up an abstract service like the ACS.
- ◆ Reasons to be a member – Get from councilors
- ◆ Minitec planning – Need a format

Council 1 - Notes

- ◆ Call to order, Roll call, Agenda review
- ◆ In memoriam – The following members passed recently: Vicki Flaris; Thio Ho; Dennis Havan; Richard Johnson
- ◆ Financials – 2018 was negative and this year likely it will be negative too

Continued on next page

Councilor's Report – Continued

- ◆ **VP Events Report**
Committee Goals – Define objectives better; Design new events; Share best practices for conferences; Reduce cost of putting on a conference; Improve attendee experience and increase attendance. (Having a great program doesn't hurt!)
Process on Event Development – Idea → Convert to event → New concept event
ANTEC® Renovation Continues
- ◆ **VP B&P**
Fellows and HSM Rules Change Adopted – EB approval needed now.
Budget Approval Process Changed. Council approval process removed. Rules changed on timelines.
OP's changed on insurance
A Section and Division Bylaw Template is Available. Chapters need to review their bylaws in 19 to make sure all is good. These should be submitted to B&P for review this year.
- ◆ **Councilor recognition**–Bill received 6-year award.
- ◆ **Adjourn**

Submitted by:
William D. Arendt
 Past-Councilor of the Vinyl Plastics Division
 Honored Fellow of the Society



At the March 2019 SPE Council meeting, Bill Arendt was recognized for 6-years serving as Vinyl Division Councilor. He received recognition from Brian Grady, 2018 – 2019 President of SPE.





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VINYLTEC®
 Akron, OH • October 1-3, 2019
 Presented by SPE Akron Section & SPE Vinyl Plastics Division

HOTEL INFORMATION

HILTON AKRON-FAIRLAWN

3180 W. Market Street
 Akron, Ohio 44333
 330-867-5000

A block of rooms has been reserved for September 30, 2019 - October 4, 2019. The special room rate of \$149/night will be available until October 6th or until the group block is sold-out, whichever comes first.
[Please click here for reservation information and to book your room.](#)

MEGATRENDS IN VINYL

AUTOMOTIVE, MEDICAL, CONSTRUCTION
and SUSTAINABILITY

SAVE THE DATE

FOR INFORMATION

Please visit www.4spe.org/vinyltec19 to register for attendance and to see sponsor/exhibitor opportunities as well as hotel information.



VINYLTEC®

Akron, OH • October 1-3, 2019

Presented by SPE Akron Section & SPE Vinyl Plastics Division

Exhibitor & Sponsorship Opportunities

Become an Exhibitor/Sponsor

Tabletop or Sponsorship Reservations:

These MUST include full payment and be postmarked or received online **by September 13, 2019.**

Sponsors are appreciated and will be well recognized.

Tabletop Exhibitor	\$1,100
Tabletop for Full Conference includes 1 VINYLTEC® Conference Registration. Additional Conference registrations (maximum of 2) are \$250.00 each. All tabletops include 3' x 6' covered table, 2 chairs, one 110V electrical outlet.	
Platinum Sponsorship	\$6,500
Includes tabletop exhibit and 2 VINYLTEC® Conference Registrations; recognition at the evening reception; additional signage and recognition. <i>**Free advertising Akron SPE Newsletter and website.**</i>	
Gold Sponsorship	\$2,500
Includes tabletop exhibit; 1 VINYLTEC® Conference Registration; recognition at the luncheon; plus additional signage and recognition. <i>**Free advertising Akron SPE Newsletter and website.**</i>	
Silver Sponsorship	\$1,500
Includes tabletop exhibit; 1 VINYLTEC® Conference Registration; Recognition at the coffee breaks, plus additional signage and recognition. <i>**Free advertising Akron SPE Newsletter and website.**</i>	
Bronze Sponsorship	\$500
Pre-conference Workshop ONLY. Includes signage and recognition.	



SCHEDULE

TUESDAY, OCTOBER 1

On-site Registration: 7:45 am to 8:30 am

Pre-Conference Workshop: 8:30 am to 5:00 pm

AM Moderator: Randy Brown

PVC MANUFACTURING

Dave Peeples, *Formosa*

PVC COMPOUNDING

Tom Schelling, *Teknor Apex*

FLEXIBLE ADDITIVES

John Scott, *Valtris*

REVIEW OF PVC STABILIZATION AND TEST METHODS (RIGID ADDITIVES)

Bob Smith, *PMC*

PM Moderator: Curt Badeau

FORMULATING RIGID/SEMI-RIGID PVC: ACRYLIC MODIFIERS

Kevin Yocca, *Arkema*

MIXING FUNDAMENTALS OF TWIN-SCREW COMPOUNDING

Cameron Kheradi, *Coperion*

RHEOLOGICAL CAPILLARY EXTRUSION – WHY SHEAR AND HEAT HISTORY OF PVC FORMULATIONS MATTER

Christoph Pielen, *Brabender*

ROTATIONAL RHEOMETRY ON PVC MATERIALS

Greg Kamykowski, *TA Instruments*

DETERMINING THE DEGREE OF FUSION VIA DSC

George Walrath, *Walrath Consulting*

October 1–3, 2019
 Hilton Akron-Fairlawn
 3180 W. Market Street
 Akron, Ohio 44333
 330-867-5000



Megatrends in Vinyl

Automotive, Medical, Construction & Sustainability

SCHEDULE OF EVENTS

Tuesday, October 1

On-site Registration	3:30 pm to 6:00 pm
Set Up Displays	Noon
Displays Open	5:30 pm to 7:30 pm
Welcome Mixer	5:30 pm to 7:30 pm

Wednesday, October 2

On-site Registration	7:45 am to 2:00 pm
Welcome Remarks	8:15 am
Displays Open	9:30 am to 7:30 pm
Tech Sessions – AM	8:30 am to 11:30 am
Lunch	11:30 am to 1:00 pm
Tech Sessions – PM	1:00 to 5:00 pm
Reception (wine/cheese)	5:30 to 7:30 pm

Thursday, October 3

On-site Registration	7:45 am to Noon
Displays Open	9:30 am to 3:30 pm
Tech Sessions – AM	8:00 am to 12:00 pm
Lunch	12:00 pm to 1:15 pm
Tech Sessions – PM	1:15 pm to 3:15 pm

For the most recent updates in the speaker list,
 please [click here](#) to go to the website.
 You can also click here to register for the event.

CO-CHAIRPERSON

David Schultz schultzdave54@gmail.com

CO-CHAIRPERSON

Bob Weiler, Amfine rweiler@amfine.com

	EARLY BIRD RATES UP TO SEPT. 13, 2019	RATES STARTING SEPT. 14, 2019
VINYLTEC® Pre-Conference PVC 102 Compounding & Equipment Workshop & Full Conference (Oct. 1-3)		
SPE Member	\$725.00	\$825.00
Nonmember	\$880.00	\$980.00
VINYLTEC® Conference — October 2–3		
SPE Member	\$525.00	\$625.00
Nonmember	\$680.00	\$780.00
Additional Conference Registrations for Tabletop Exhibitors Only . .		
	\$250.00	\$250.00
VINYLTEC® Pre-Conference PVC 102 Compounding & Equipment Workshop ONLY — October 1		
SPE Member	\$250.00	\$325.00
Nonmember	\$405.00	\$480.00
Lunch will be provided for all at the Tuesday Workshop		
Emeritus/Student		
	\$400.00 for Pre-Conference PVC 102 Compounding & Equipment Workshop & Full Conference	
	\$200.00 for Full Conference Only	
	\$200.00 for Pre-Conference PVC 102 Compounding & Equipment Workshop Only	
Speaker/Moderator		
	No charge on day of presentation.	
	\$200.00 by 9/13 or \$250 after 9/13 for remainder of the Conference.	

For more information on exhibiting and sponsorship, please contact
 Kevin Malpass at +1 330.398.9411 or kevin.malpass@gmail.com.

Board of Directors Minutes (unofficial)

March 18, 2019

In attendance: *Bill Arendt, Randy Brown, Maryellen Cox, Beth Griffin, Emily McBride, Sylvia Moore, Dave Owen, Peggy Schipper, Sam Timpa, Bob Weiler.*

1. APPROVAL OF MINUTES from 2018 Vinyltec® BOD meeting.

a) Will be discussing increasing PlastiVan donation from \$3000 to \$3500. b) Arendt moved for approval.

2. COUNCILORS REPORT – Bill Arendt and Bob Weiler to send written reports

a) ANTEC® Council attendance was light; >1000 ANTEC attendees

b) Bill Arendt received the President's Cup award

c) 2020 ANTEC® will be in San Antonio March 30-April 2nd

d) 2021 ANTEC® will not be co-locating with NPE, but will be in Denver, March 22nd-25th

e) Future ANTEC®s are geared to be in mid-late March

f) Goal this year is to focus SPE on coordinating with communities, industry, and individuals to make a difference in areas affecting plastics globally (*See councilor's report on page 4 for additional details*)

3. COMMITTEE REPORTS

AWARDS (ALAN GIBB / BETH GRIFFIN)

VINYLTEC® 2018 – Best Technical Presentation – Mark Lavach, Vinyltec® 2017

ANTEC® 2018 – Best Commercial Presentation – Cristian Barcan - Vinyl Industry Sustainability Initiative Update – From Hotspots to Branded Performance

Contributions to Vinyl Award – need to nominate, Sam Timpa to discuss at next TPC meeting.

Outstanding Service to Vinyl Division – need to nominate, Sam Timpa to discuss at next TPC meeting.

EDUCATION (DAVE OWEN)

2019 Scholarship Applications

◆ Sent two email blasts thru SPE, only received two applications, Roman is checking on whether they meet the requirements: Nicole Kraner and Peter Decker

◆ Dave recommends awarding \$2500 each

Bill moves, Sylvia seconds: approved pending Roman's verification that their parents have been members for two years

◆ Because we are no longer participating in ANTEC®, it would make more sense to move the deadline to before Vinyltec®

◆ Peggy made a motion to extend the deadline to June 15th for additional applicants, Randy seconded

◆ Dave to arrange email blast

◆ Motion passes.

⌘ Received email from student that attended Vinyltec® last year through VI, but he admitted that he doesn't do any work with vinyl, so Dave has not pursued follow up

⌘ Discussion around moving student paper awards from ANTEC® to Vinyltec®—no motion. We will continue to support ANTEC® by offering these awards.

MEMBERSHIP (ROMAN WYPART)

Current SPE Vinyl Division membership is 590 (we had 620 in October 2018).

TREASURER (RANDY BROWN)

A. Budget Overview

◆ On target with budget

B. Vinyltec 2018 results

◆ Received \$18,955 check as net income from 2018 Vinyltec®

Continued on next page

Minutes (Continued from page 10)

C. Investments

- ◆ >\$30,000 in checking, \$21,000 in savings, investment was at ~\$140K a few months ago
- ◆ Randy to have duplicate statement sent to Emily

TPC UPDATE (SAM TIMPA)

A. 2018 Vinyltec® - Chicago

B. 2019 ANTEC® – Detroit

C. 2019 Vinyltec® – Akro

- a) Preconference program is complete
- b) ~15 presentations for main conference, aiming for 20; mainly short on medical and automotive sections. Bill made contact with Automotive councilor and should get more info on if they can help.
- c) PlastiVan will be lunch speaker on one of the days. We can look into sponsoring a high school, and could invite them to our conference as well. Would want Akron Section to help coordinate (Bob to ask them). Sam to also bring up in next TPC meeting. Need to have this item resolved by May.
- d) Kim Rush is stepping back from SPE, so we need a new TPC Secretary

D. 2020 Vinyltec® – Palisades

E. 2021 Vinyltec® - ?

F. Awards

4. ELECTIONS

- ◆ Councilor – Robert Weiler won the election for the present 3-year term
- ◆ BOD Chairman – Emily McBride is nominee, unanimous approval
- ◆ BOD Secretary/Vice Chairman – Beth Fitch as nominee, unanimous approval

5. AWARDS

☞ Nomination for Fellow

- ◆ 2019 – Mark Lavach *Palisades Section has taken lead on this application*

☞ Nomination for Honorable Service Member

- ◆ 2018 – Roman Wypart (not selected, will need to put forward another application in the future)
- ◆ 2019 – Robert Weiler *Akron Section is working on this application*

☞ Nomination for Technical Contributions to Vinyl

☞ Nomination for Outstanding Service to Vinyl Division

6. OLD BUSINESS

- ☞ Membership survey to identify the value proposition of Vinyl Division to its members: need to follow up with Dave Peeples on this
- ☞ Newsletter sponsors
 - ◆ Randy to put together list to circulate to BOD, Bob to send info from Dave P to Randy

7. NEW BUSINESS

- ☞ Elect New BOD Chair – Emily McBride
- ☞ For consideration: along with change to separate invoice for Division membership, we may have the option to change our membership amount (\$0?)
- ☞ Target companies that we would like to participate at Vinyltec®, and offer them a position on the BOD
 - ◆ PolyOne? Others?
- ☞ BOD Bylaws: Bob Weiler to review and bring to a vote as BOD Past-Chair
 - ◆ Going to move into new SPE template
 - ◆ Dave Owen to help, will also enlist Dave Peeples
- ☞ May need chapter votes on new BOD members: Bob to look into, with help from Dave Owen

Adjournment

Bill moves, no opposition



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	Business Card	One Column by 2" high	\$100
Option B	Double	One Column by 4" high	\$150
Option C	Triple	One Column by 6" high	\$200
Option D	Half Page	One Column by 10" high	\$250
Option E	Half Page	8" wide by 5.25" high	\$250
Option F	Full Page	8.5 x 11 Bleeds to end of page	\$500

Rates are for the entire Season- Summer 2019 – Summer 2020. Payable in advance and an invoice will be provided. Acceptable formats are: .bmp .pcx .jpf .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, Peggy.Schipper@valtris.com for more information or to attach your artwork.

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Treasurer.....	Randy Brown
Councilor	Robert Weiler
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Awards Committee Chair.....	Beth Griffin
Education Committee Chair	David Owen
Newsletter Editor / Communication Chair.....	Peggy Schipper
Tech Program Chair	Samuel Timpa
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