



Vinyl Division

Spring 2020

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

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Many of us are currently spending the spring practicing social distancing, where we minimize our in-person social interactions and spend time working from home, if possible. For some, this is a welcome change of pace that provides an opportunity to catch up on important, but not urgent, tasks, such as conducting online research and writing up reports. I reached out to members of our Vinyl Plastics Board of Directors for their favorite online resources; for those of you who have the opportunity, please check out their top picks for websites and social media accounts listed below:

<https://vinylverified.com/>

This website was built by the Vinyl Institute (in collaboration with other vinyl groups) to proactively combat vinyl misinformation with fact-checking

<https://www.chemicalfabricsandfilm.com/>

CFFA: Info on roofing and coated fabrics

<https://www.flexvinylalliance.com/>

Flexible Vinyl Alliance: Info on vinyl and plasticizers

<https://www.vinylinfo.org/>

<https://www.vinylinfo.org/vinyl-sustainability-council/>

<https://vantagevinyl.com/>

Vinyl Sustainability Council's new sustainability initiative

<https://vinylplus.eu/>

<https://www.recovinyl.com/>

<https://vinylinstituteofcanada.com/>

<https://www.cpsc.gov/>

CPSC: Info on regulations on phthalates

<https://phthalates.americanchemistry.com/>

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Chairman's Message- *continued*

VINYL AND ADDITIVE MANUFACTURERS

<https://www.plasticsindustry.org/supply-chain/material-suppliers/flexible-vinyl-products-division>

http://www.plasticizers.basf.com/portal/5/en/dt.jsp?setCursor=1_222113&page=north-america

Info on plasticizers with links to other organizations

<http://www.Shintech.com>

https://www.vinnolit.com/vinnolit.nsf/id/EN_75TJPW_Products_Applications

FOLLOW ON TWITTER:

@vinyl_institute = Vinyl Institute

@vinylinstitute = Vinyl Institute of Canada

@PVCMed = PVC Med Alliance

@Vinyl_Vfied = Vinyl Verified

@PVC4Pipes = about PVC Pipe

My hope is that this list of resources will serve you at this difficult, isolated time, as well as in the future.

Finally, each year the SPE Vinyl Division awards individual educational grants valued at up to \$2500. Applicants must be the son or daughter of the Society of Plastics Engineers Vinyl Division member in good standing for a minimum of two years. The one-time-only educational grant is open to all students who will be enrolled in college in the autumn of the award year. This year, we've extended the application deadline until July 29th, 2020. Now would be a great time to get your information together and apply! See page 4 of this newsletter for more information.

Emily McBride

2019-2021 BOD Chair



VINYLTEC® 2020

Crowne Plaza Hotel Philadelphia

October 20-22, 2020

The Vinyl Division Board and Technical Planning Committee are pleased to present VinylTec® 20/20: A Clear Vision of the Future of Vinyl. This year's exciting and informative event will be Oct. 20-22, 2020 in King of Prussia, PA.

Please join us for 3 days of industry networking, application discussions, regulatory updates, and product introductions. We look forward to seeing you there!

Questions? Contact

Event Chair:[Mark Lavach](#)

Technical Program Chair:[Ron Raleigh](#)

MEMBER INPUT:

Vinyl Education & Industry News Submission

Dear Members:

We are open to receiving and publishing information that is pertinent to supporting our division for the following mediums:

Newsletter, Facebook or the Website.

Please contact [Peggy Schipper via email](#)
or by phone: 484-846-0016



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Vinyl Division Makes Large Donations to Support Student Education

Vinyl Plastics Division Scholarship Available

The Vinyl Division BOD, under the direction of Chair, Emily McBride, has voted to “Pay Forward” some of the surplus from this year’s successful VinylTec® Conference. The Vinyl Division will make donations of \$5,000 to be a sponsor of the ANTEC® Student Poster Session, \$3,500 to the SPE Foundation to support the Plastivan® and another \$2,000 toward the SPE Student Scholarship fund.

The ANTEC® Student Poster and Travel Fund encourages students to travel to ANTEC® and to present interesting plastics related developments in front of the large gathering of plastics professionals. Vinyl Division will be recognized as a sponsor of the Student Poster Session. We are hopeful that our presence as a sponsor reminds students and their mentors of the importance of vinyl as a utile and still growing workhorse resource in the plastics industry.



The **SPE Foundation Plastivan®** program reaches out to students in high school and middle schools to support the significance of plastics in their lives and to reinforce the importance of STEM education in general. Last year the Vinyl Division supported two Plastivan® visits in the Akron area. Our donation this year will support another two visits.

Our donation to **the SPE Scholarship Fund** will support plastics scholarships in general. The Vinyl Division also provides scholarships to family members of current Vinyl Division members. Additionally, we have resources that can be used to support students directly studying vinyl or who are using vinyl in academic research. Check out [our website](#) for further information.

The SPE Vinyl Plastics Division Family Scholarship application form is now available.

If you have been a member of the Division for two years and your child will enter or is in a college or university, [please apply](#). Scholarships will be awarded at the summer Board of Directors meeting and winners announced at the Vinyltec® 2020 in King of Prussia, Pa., Oct. 20-22, 2020. **Applications must be submitted by July 29, 2020**

Please contact [David Owen](#) with any questions.





Vinyl Division

ANTEC® 2020

Track: Plastic Pipe & Fittings / Failure Analysis and Prevention Joint Session / Vinyl

Transition From Ductile Failure To Brittle Fracture of High Density Polyethylene Under Creep Loading, *Na Ta, PhD Candidate, University of Alberta*

Morphology and Mechanical Performance of Pipe Grade HDPE Exposed to Chlorinated Water
Susan Mantell, Professor University of Minnesota

Numerical Simulation of Slow Crack Growth Mode Transition of HDPE Using Modified Crack Theory, *Byoung-Ho Choi, Korea University*

Reduced Order Kinetic Model for Corrosion of High-Density Polyethylene in Bleach Solutions
Susan Mantelli, Professor, University of Minnesota

Degradation of CPVC Sprinkler Piping Material By Simulated Sunlight and Uvb Light
Rajni Madan, Senior Research Scientist, FM Global

Foaming of PVC Using Ultra High Molecular Weight Acrylic Processing Aids
Manoj Nerkar, Technical Service and Development Scientist, Dow, Inc.

Dear Plastics Industry Colleagues:

While we were all optimistic that SPE's annual ANTEC® conference could proceed as planned, the escalating concerns about COVID-19 and how it could affect our attendees' health and well-being makes doing so impossible.

We will not be holding ANTEC® in San Antonio this year.

But, there is good news! Announcing ANTEC® 2020: The Virtual Edition.

spe ANTEC® 2020:
THE VIRTUAL EDITION

THE ANNUAL TECHNICAL CONFERENCE FOR
PLASTICS PROFESSIONALS

Membership Report

As of March 04, 2020 the Vinyl Division was comprised of 532 members.

A special welcome to the following new members over the last 9 months:

June 1 - December 31 2019



<u>Join Date</u>	<u>Name</u>	<u>Company Affiliation</u>	<u>Member Status</u>
06/03/2019	Alex Faithfull		Young Professional
06/04/2019	Kaitlin Holdrege		Student
06/26/2019	Dawson Ammon		Student
06/27/2019	Daniel Aranda	Specialty Silicones	Professional
07/16/2019	Craig Hoffman	Aurora Plastics	Young Professional
08/21/2019	Richard Powell, Jr.		Student
09/11/2019	Omeir Riaz		Student
09/13/2019	Steve Woolley	Legrand AVD / Da-Lite	Professional
09/23/2019	Robert Leeuwendal	William Blythe Ltd.	Professional
10/10/2019	Steve Torchia	Sasol	Professional
10/11/2019	Joseph Ponce		Student
10/12/2019	Nhan Vo		Student
10/18/2019	Jomin Thomas		Student
10/23/2019	Renata Sergejew	ONYX Hose & Tube Inc	Professional
11/04/2019	Madison Meyer		Student
11/18/2019	Masoud Razavi		Student
11/20/2019	Vishnu Unnikrishnan		Student
11/26/2019	Ankita Barve		Student
12/11/2019	Axel Del Castillo		Student
12/02/2019	Priyasantha Fernando		Professional

January 1 - March 4, 2020



<u>Join Date</u>	<u>Name</u>	<u>Company Affiliation</u>	<u>Member Status</u>
01/03/2020	Avery Nowlin		Student
01/06/2020	Zulfiqar Zahidi		Professional
01/07/2020	Rohan Shorey		Student
01/10/2020	Arjun Vs		Student
01/13/2020	Tom Marti	UGSI	Professional
02/11/2020	Jordyn Jacobs		Student
02/16/2020	Salvador Rodriguez, Jr.		Student
02/26/2020	Boutchouang Michèle		Student
03/04/2020	Stacey Nguyen		Student

Sam Timpa
Membership Chair, Vinyl Plastics Division

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Vinyl Division

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