



A Subdivision of the Rubber Division of the American Chemical Society

Winter 2020

www.ohiorubbergroup.org

PO Box 341, Bath, OH 44210

2020 Events

OHIO RUBBER GROUP

www.ohiorubbergroup.org

[2020 MEMBERSHIP - Pg 5](#)

[2020 MEETING SPONSOR - Pg 6](#)

Winter Technical Meeting
Tuesday, January 28, 2020
Twinsburg Hilton Inn

Spring Technical Meeting
Tuesday, April 14, 2020
Twinsburg Hilton Inn

Golf Outing
Tuesday, June 16, 2020
Yankee Run, Warren

Golf Outing
Monday, August 31, 2020
Silver Lake CC, Silver Lake

Fall Technical Meeting
Tuesday, September 29, 2020
Twinsburg Hilton Inn

RUBBER DIVISION

www.rubber.org

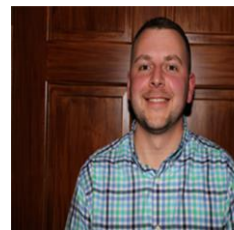
Rubber Division, ACS 197th
Technical Meeting
April 28-30, 2020
Independence, OH

International Elastomer
Conference
October 20-22, 2020
Knoxville, TN



A Message from Adam Kronenberger, 2020 ORG Chair

Happy New Year! 2019 was not without challenges for our industry but the Ohio Rubber Group had another great year and we have each and every one of you to thank for that!



We had a challenging year for our fundraising activities. One of our main events the Golf outing was delayed as the course that hosts us was hit with a tornado the week before and we had to push out the outing. Even with the changes our group came out and showed how much this means, or just the commitment to bettering your golf game... Either way we appreciate the support. This group continues to be an important part of our industry for technical advancement, industry trends, and networking.

Thank you to Mike McDonnell the 2019 Chair for setting the stage for 2020 to be another successful year! Mike and previous chairs have all set the wheels in motion for many exciting updates to the group that I hope we can move into the final stages this year! I would also like to thank all the volunteers that make everything you see seamless. There are many that work countless hours to continue to provide a venue for individuals, institutions, affiliated industries and organizations to network and act upon issues and opportunities of common interest.

In 2020 I am excited to serve as Chair and there are some new items ahead to bring an increased awareness to our industry and great opportunities that await individuals and students. Stay tuned. We are exploring expansion of our support to academia to ensure students gain an understanding of all the Rubber/Polymer Industry has to offer. We need to increase our efforts in reaching back into our best resource, Schools and Universities. The scholarship committee has been tasked with looking into expansion of our program as well.

I am looking forward to seeing everyone at the ORG events this year. If you have ideas or interest in serving in a variety of capacities, please do not hesitate to reach out! Also if you have a colleague or friend that may have interest bring them along for tech meeting or maybe a social event this summer. More details to follow.

I want to wish everyone a great start to 2020 and let's continue to focus on the things that matter most in our industry...THE PEOPLE!!



*All photos provided by Shelby Washko
Thanks Shelby!!*

2020 Directors

Chair – Adam Kronenberger
R. D. Abbott Co. 330-840-1171
akronenberger@rdabbott.com

Vice-Chair – Chris Chaousy
Coal Fillers 304-993-1541
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Treasurer- Charles Boyce
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Charles.boyce@alpha-technologies.com

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leo.goss@lanxess.com

Area Director Rep – Tina Darnell
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312-315-5730
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2020 Committee Chairs

Program – Doug Foster
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doug.foster@aceprodon.com

Membership – Leo Goss
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leo.goss@lanxess.com

Scholarship/Education – Joel Neilsen
Lanxess Corp. 216-217-2225
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June Golf Outing – Jason Huff
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June Golf Outing – Regina Durst
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August Golf Outing – Greg Sibley and Kevin Geron
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Web Master – Denise Kotz
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Historian/Raffle – Shelby Washko
330-273-5155
shelbywashko@frontier.com

Newsletter/Rec.Secy – Mary Puskas
Ohio Rubber Group 330-283-0845

RUBBER DIVISION 2020 UPCOMING COURSES

February 25 – Introduction to Compounding, Mixing and Testing

February 26 – Compounding Fluoroelastomers

March 25 – Processing and Testing of Rubber

April 15 – Basic Rubber Compounding

April 21 – Hazardous Communication

May 12-15 – Intermediate to Advanced Compounding and Testing of Rubber

May 19 – An Introduction to Continuous Vulcanization

May 20 & 21 – Sponge Rubber 101

June 10 – Essentials of Rubber Technology

June 11 – Essentials of Silicone Rubber

June 12 – Mixing and Testing for Compound Consistency

June 12 – Setting Up a Rubber Molding Process

All of the following courses can be taken in person at our Elastomer Training Center (306 N. Cleveland Massillon Rd., Akron, OH 44333) OR can be taken from the comfort of your home or office – remotely from any tablet, laptop or computer. The Elastomer Training Center is an interactive smart classroom. Advanced technology used in the classroom allows viewing of the course live online and features interactive capabilities. When you register, just select the appropriate registration type for how you will be taking the course – on-site or online.

Any questions?

Heather Maimone, Membership & Outreach Director, hmaimone@rubber.org



Schedule

4:00 – Dinner Ticket/Membership Sales

4:30 – Technical Presentations

****please turn off cell phones****

6:00 – Social Hour 7:00 – Dinner

Ohio Rubber Group Winter Technical Meeting Tuesday, January 28, 2020

Hilton Garden Inn, 330-405-4488
8971 Wilcox Drive, Twinsburg, Ohio



Technical Presentations

*****Please turn off cell phones during the presentations*****

“Environmentally Friendly Solutions for Material Conveying In the Mill Room”

Robert McNabb, National Sales Manager, Rubber Plants, Zeppelin Systems, USA, Inc.

Abstract: New solutions have been developed to meet the ever increasing demands for clean, environmentally friendly material handling, conveying, and dosing in both rubber and plastics mixing rooms. These solutions involve, however are not limited to, dust containment and aspiration, recycling collected materials back into the mix recipe, explosion prevention and mitigation, as well as efficient and clean liquid dosing for silanes and synthetic plasticizers.

We will present and discuss new opportunities for both cleanliness and precision dosing for both small add materials and major components weightings of polymers, powders, and liquids in the mix room. This presentation should be a benefit to chemists, compounders, and plant operations persons that regularly struggle with these issues.

Zeppelin Systems is the world leader in material handling systems for the mixing room. As a leading global plant engineering company for the handling of high-quality bulk materials we also work in the industry sectors of plastic, rubber and tire, chemicals, and food.

Rubber Devulcanization and The Effects on Rubber Formulations

Frank Pappas, Director of Sales and Business Development, ACE Products and Consulting LLC

Abstract: As the rubber industry has placed a high focus on green renewable materials, devulcanization has become a hot topic as a way of diminishing waste streams and bringing certain compounding processes full circle. This discussion will look at the various devulcanization approaches and how different devulc streams can affect physical properties.

Rheological Diagnostic Tools for State Transitions in Reticulating Elastomers

Ruel McKenzie, Ph.D., Department of Polymer Engineering, The University of Akron

Abstract: Thermodynamic or kinetic state transitions can be probed using rheology in isothermal and nonisothermal isochronal experiments. A phenomenological dimensionless parameter termed the relative elasticity, R , was found to be particularly sensitive to these transitions and was finitely bound by the viscous limit and the elastic limit with values of zero and one, respectively. The time derivative of R and $\tan \delta$ (with δ being the phase angle) proved to be more sensitive to transitions as compared to the respective pure values. In addition, it will be demonstrated that a curing profile can be derived from a fractal analysis of the frequency dependent properties of the curing elastomer at different stages of cure. These phenomenological protocols were found to be robust while providing a convenient and precise means of detecting transitions. Hence, they may complement existing methods, whereas they are beneficial to industrial or other systems exhibiting multiple transitions due to their high sensitivity.



2020 Winter Meeting - DINNER RESERVATIONS –

Advanced Reservation - \$35.00 each **Without prior reservation - \$40.00 each**

Reserve___ tickets (pick up at door) 1) Pay at Door OR 2) Payment Enclosed \$_____ (Cash, Check, Credit)

Special Meals: Number_____ Type (vegetarian/vegan) _____

Credit Card #_____ Exp. Date_____

Code_____ Billing Zip Code_____

Name_____ Company_____

E-mail reservations to mpuskas@littlern.com OR mail to Ohio Rubber Group, PO Box 341, Bath, OH 44210





MEMBERSHIP RENEWAL FOR 2020

Please use the form below OR the form at www.ohiorubbergroup.org

OR renew/join the Ohio Rubber Group at
Rubber Division (www.rubber.org) and pay online.

Still only \$25 – Join today – Don't miss anything!

Dear Friends:

It is time again to renew your membership in the **Ohio Rubber Group**.

With this mailing you will find an application to continue your association with the **ORG**. Take time to complete and return the invoice with your payment as soon as possible. Ensure that you check the spaces on your invoice if you are renewing, have a membership to the **American Chemical Society**, and/or have a membership to the **Rubber Division, ACS**, and/or would like to serve on one of our **Committees**.

We have many exciting activities scheduled for the 2020 program year. The **Ohio Rubber Group** hosts informative technical sessions on pertinent industry related topics including current research conducted by University of Akron students and offers the opportunity to meet and interact with your peers. Do not forget the fun and friendship to be had at our two annual Golf Outings.

If you think any of your friends or associates would like to become members of the **Ohio Rubber Group**, please give them a copy of the enclosed membership application or arrange to bring them with you to our next meeting. You can always contact me by calling *Lanxess Corporation* at 440-279-2381 or email leo.goss@lanxess.com to discuss membership in our association.

On behalf of the Ohio Rubber Group, I would like to thank you for your support and look forward to meeting you during this year's 2020 meetings and activities.

Warmest regards,
Leo Goss, 2020 ORG Membership Chair



2020 OHIO RUBBER GROUP MEMBERSHIP APPLICATION

A SUBDIVISION OF THE RUBBER DIVISION OF THE AMERICAN CHEMICAL SOCIETY

DATE: _____

NAME: _____ TITLE _____

EMAIL ADDRESS: _____

COMPANY: _____

MAILING ADDRESS: _____

CITY, STATE, ZIP: _____

PHONE: _____

Membership fee: \$25 Contribution to Scholarship Endowment Fund: \$ _____ Total \$ _____

Payment (circle one): Cash Check (US dollars/US Bank) Visa MasterCard Discover AMEX

Card # _____ Exp. Date _____ Code _____ Billing Zip _____

EMERITUS/LIFE MEMBERS: *No renewal necessary but please use this form for any mailing or email changes*

Return application w/payment to: **OHIO RUBBER GROUP PO BOX 341 BATH, OHIO 44210**
Credit card payments: MPUSKAS@LITTLERN.COM or 330-283-0845

MEMBER SURVEY
PLEASE COMPLETE
Are you a member of:
(Circle Answer)

American Chemical Society

Yes No

Rubber Division, ACS

Yes No

Work on a committee

Yes No

2020 Ohio Rubber Group Meeting/Hospitality Sponsorship

The Ohio Rubber Group is looking forward to 2020 being another successful year of technical programs, educational courses and scholarship programs that are the basis of our organization.

All of the 2020 technical meetings will be held at the Twinsburg, Ohio, Hilton Garden Inn. These meetings allow our members not only to receive technical information on a variety of topics but afford an opportunity to meet with various suppliers, customers and consultants servicing our industry.

The social gathering following the presentations is an important part of the meetings. Members can make personal contacts during this informal hour that fosters friendships and allows for the exchange of ideas among our members, presenters and guests.

As a 2020 Ohio Rubber Group Sponsor, your company will be recognized with your company name displayed at each of the technical meetings (Spring 2020, Fall 2020 and Winter 2020) as well as in each of the three newsletters and on the website. In addition, your company logo can be placed on our website with a link to your company website.

Please consider a 2020 sponsorship. *As a guideline only, we would request the amount of \$250.* Checks (payable to Ohio Rubber Group) can be sent to Ohio Rubber Group, PO Box 341, Bath, OH 44210 or payment can be made by credit card.

Information at 330-283-0845 or
mpuskas@littlern.com.

Thank You Again - 2019 Sponsors

Mid American Machine
Arlanxeo USA
Tokai Carbon CB
Dyna-Mix
Momentum Technologies
Ace Products & Consulting
Littlern Corp.
Sovereign Chemical Co.
Vanderbilt Chemicals
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TMN Sales, LLC
RHD Polymer & Chemicals
HEXPOL Compounding
Stemaco USA, Inc.
Harwick Standard Dist.
Struktol Company of America
Matexion
Blachford Specialty Chemicals
RDAbbott
Polymer Valley Chemicals
ChemRep, Inc.
Alpha Technologies
Akrochem Corp.



2019 Yankee Run Golf Outing



2019 Silver Lake Outing

