



A Subdivision of the Rubber Division of the American Chemical Society

SPRING 2019

www.ohiorubbergroup.org

PO Box 341, Bath, OH 44210

2019 Events

OHIO RUBBER GROUP

www.ohiorubbergroup.org

[2019 MEMBERSHIP - Pg 4](#)

[2019 MEETING SPONSOR - Pg 5](#)

Spring Technical Meeting
Tuesday, April 9, 2019
Twinsburg Hilton Inn

Golf Outing
Tuesday, June 18, 2019
Yankee Run, Warren

[REGISTRATION FORMS - Pg 8](#)

Golf Outing
Monday, August 26, 2019
Silver Lake CC, Silver Lake

Fall Technical Meeting
Tuesday, September 24, 2019
Twinsburg Hilton Inn

RUBBER DIVISION

www.rubber.org

Rubber Division, ACS 195th
Technical Meeting
April 30-May 2, 2019
Independence, OH

International Elastomer
Conference
October 8-10, 2019
Cleveland, OH

A message from Mike McDonnell, 2019 ORG Chair

Greetings Ohio Rubber Group!

I hope this letter finds you doing well, despite Winter refusing to give up and let Spring take over.



I wanted to take a moment to thank to all who attended the January technical meeting, and send a special thanks to **Dr. Katrina Cornish**, **Joel Neilsen**, and **Matt Rogers** for delivering interesting and informative presentations. Dr. Cornish gave a fascinating talk about using eggshells as a reinforcing filler in rubber. These types of presentations are why membership is growing, and we hope all of you enjoy what the ORG provides.

We had a great turnout for the meeting, and almost 100 people for dinner! Your continued support for the ORG is overwhelming and we look forward to seeing all of you at the Spring Technical Meeting in April. Please bring a co-worker, colleague, friend, or anyone else interested in all things rubber! Let's see if we can break 100 for the next dinner!

If you will be attending our next meeting, and plan on staying for dinner, please make your dinner reservation prior to the event. We are limited to only a few walk-ins and we were very close to running out of tickets for the last meeting. Plus, you save \$5.00 by purchasing your ticket in advance. The food is always good and the company is even better. ([see page 3](#))

The ORG meetings are a great place to learn and network, but we thought it would be great if we could have a place to continue discussions after the events. If you are on Linked-In, please like our Ohio Rubber Group page. The page can be used as a platform for all of you to post questions you might have regarding rubber raw materials, processing of rubber, or any other general inquiry pertaining to rubber. The main purpose of the ORG is to be a source of knowledge for its members. Please take advantage! Also, if you have any photos from our last meeting, feel free to email them to me. I will be happy to add them to our page.

Mark your calendars for the 2019 Yankee Run Golf outing on Tuesday, June 18, 2019. Registrations forms are in this newsletter (Page 8) and at the website.

See you at the Spring meeting on April 9!



Follow us on Linked In



Paul Glasgow Memorial ORG Member Scholarship Award*

This Award is available for ORG members who are currently employed in the rubber industry and want to further their careers by acquiring additional education. The monetary value of the award is \$2,000. For further information on this award, please contact Joel Neilsen,

Scholarship Chair, at joel.neilsen@lanxess.com.

[Click here for application.](#) Applications must be received by **May 1, 2019**

2019 Directors

Chair – Mike McDonnell
Alttran, Inc. 330-650-2223
mmcdonnell@alttran.com

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

Treasurer- Chris Chaousy
Coal Fillers 304-993-1541
cchaousy@coalfillers.com

Secretary - Charles Boyce
Alpha Technologies 330-801-7081
charles.boyce@alpha-technologies.com

Councilor – Ernie Puskas
Littlern Corp. 330-848-8847
epuskas@littlern.com

Alt. Councilor– Denise Kotz
DuPont Performance Elastomers
330-807-7540
denise.kotz@dupont.com

Area Director – Tina Darnell
Collins Aerospace 330-374-2657
tina.darnell@collins.com

2019 Committee Chairs

Program – Doug Foster
ACE Products 330-233-1846
doug.foster@aceprodon.com

Membership – Leo Goss
Lanxess Corp. 440-279-2381
leo.goss@lanxess.com

Scholarship/Education – Joel Neilsen
Lanxess Corp. 216-217-2225
joel.neilsen@lanxess.com

June Golf Outing – Jason Huff
ChemRep, Inc. 513-570-1170
jason@chemrep.com

June Golf Outing – Regina Durst
SILMIX Ohio. 330-628-5429
regina.durst@wacker.com

*August Golf Outing –
Greg Sibley and Kevin Geron*
Intertex 330-665-5533
greg@intertexworld.com
kevin@intertexworld.com

Publicity – Thomas McGee
419-289-6339 ncem046@yahoo.com

Web Master – Denise Kotz
DuPont Performance Elastomers
330-807-7540
denise.kotz@dupont.com

Historian/Raffle – Shelby Washko
330-273-5155
shelbywashko@frontier.com

Newsletter/Rec.Secy –Mary Puskas
Ohio Rubber Group 330-283-0845
mpuskas@littlern.com

Rubber Division News from Ed Miller, Executive Director, Rubber Div., ACS

1. 2019 Spring Meeting: Gabby advised that we currently have the following registrations for the 2019 Spring Meeting in Independence OH: Total registered – 102; Tech attendees – 65; Total Tabletops – 10; 25-Year Club – 19; Science & Technology Awards Banquet – 81 and 5K Walk/Run – 17. Chuck advised that we currently have 38 technical speakers for the 2019 Spring Meeting plus the Keynote and 6 Science & Technology Award speakers...a very full program!

2. 2019 IEC: Beth advised that the 2019 International Elastomer Conference currently stands as follows: 211 booths at 54,200 sf; \$1,516,975 booth sales (\$1,600,000 budgeted) and \$23,850 expo online marketing (\$27,000 budgeted). We have 3 exhibitors sharing booths, making total number of exhibitors 214. Chuck advised that the 2019 IEC call for abstracts went out the first week of January, with just a handful of submissions to date. Session Chairs are working on their contacts to obtain additional abstracts. First deadline for abstracts is April 12th.

3. Future IEC Sites: Beth advised that she is finalizing negotiations for the 2020 IEC in Knoxville TN and should have contracts for the Knoxville Convention Center and hotels ready to sign this month. Floor plan for the 2020 IEC is ready; however additional work is needed before releasing booth space for sale. The Executive Committee voted to approve the David L. Lawrence Convention Center in Pittsburgh PA as the IEC site for 2021 and 2023.

4. Women's Workshop: Lakisha advised that she held a preliminary meeting with Kim Dempsey-Miller and other staff regarding a new initiative to host a "Women's Workshop" (final name not determined yet). This will be held on Monday afternoon (October 7th) at the International Elastomer Conference in Cleveland OH. The preliminary structure is a panel that will include Kim Dempsey-Miller, Terry DeLapa, Krista Toutant and Tina Darnell. The workshop will be facilitated by Leslie Ungar. Look for more details to come.

5. Membership: Heather advised that we have 57 corporate members and 2,585 individual members. Additionally, Nicole and she attended the University of Akron Engineering & Science Career Fair on February 5th to discuss the UA student chapter, membership, education, careers and networking opportunities that are available through the Rubber Division. They had over 30 interested students, and 15 of whom signed up for the student chapter. They also spoke at the Michigan Rubber Group about the benefits of Rubber Division, and how we can help the local Rubber Groups. The next day they toured Ferris State University and gave a presentation to the chapter. Heather is working with the Blue Ridge Rubber group, and local companies (Yokohama and Hexpol) in the area to schedule a tour for the Virginia Polytechnic University Student Chapter.

6. Education: Nicole advised that renovation of the lower level of Rubber Division headquarters is near final completion. This will provide a SMART Classroom where future Elastomer Training Center classes will be held as well as being offered globally. Nicole will be the voice for our Rubber Division, ACS educational programs. She has a strong educational background and innovative ideas. She is currently working contracts for our 2019 training opportunities schedule. Courses and opportunities will be posted at this website, <https://www.rubber.org/upcoming-training>, as soon as the schedule is finalized. There are going to be some great training opportunities, so be sure to check back here to see what is available!

There is other good news too that adds to the excitement. In the very near future, you will hear about a new Strategic Partnership formed within our educational programs. This will elevate our courses to a new level of interactivity both locally and globally. In the interim, know that Rubber Division, ACS is fully committed to serving as the primary resource for education and training for our Rubber Groups, members, students and others seeking increased knowledge and skills within the elastomer and related communities!

7. Marketing: Gretchen advised that the Rubber Division partnered with R.D. Abbott to produce the video called, "Rubber: It's Not Just Tires". The video demonstrates the significance of rubber in everyday life and was designed to introduce the next generation of workers to this extraordinary industry. R.D. Abbott just sent out a Press Release on the video which will be available via www.notjusttires.org as well as the Rubber Division website and other social media. It will also be used in our Student Outreach Program. We want to thank R.D. Abbott for their exceptional vision and leadership in producing this video.

Visit www.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 Spring Technical Meeting Tuesday, April 9, 2019

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

Technical Presentations

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

Crosslinking Combinations Involving Benzocyclobutene Chemistry

**Akshata Kulkarni, ORG Scholarship Recipient, PhD Candidate, Polymer Engineering,
The University of Akron**

Abstract: The aim of the work was to develop a hybrid curative package based on C-S and C-C crosslinks for rubber that would allow crosslinking at lower temperatures and lower curing times from what is usually encountered in rubber industries. The work investigated the synergism in properties (e.g. long-term stress, hysteresis, mechanical set) created by combining covalent benzocyclobutene (BCB) crosslinks with polysulfidic crosslinks. BCB based compounds have been used to crosslink SBR. BCB crosslinks via Diels Alder mechanism at temperatures > 220 °C. However substituted BCB cures completely at 150 °C. Thus, different curative packages involving substituted BCB are developed and compounded with rubber to study the cure characteristics, tensile strength, storage modulus, loss modulus, and crosslinking density. A hybrid curative package involving sulfur and poly (pentafluorostyrene-substituted mono BCB) was developed which reduced the cure time by 15% compared to regular sulfur curing. The effect of the physical state of the curative was also studied by performing curative studies with bis BCB from a divinyl compound and bis BCB with a polybutadiene spacer.

Automation and AI for Material Development and Testing

Khaled Boqaileh, LabsCubed, CEO

Abstract: Outline how automation can and is used today in testing and material development. Talk about AI and machine learning, how it works and how it can be used in manufacturing and material development.

Processing Waste Tires to Reclaim Steel, Gas, Oil and rCB

Darren Slattery, Vice President of Sales, Bolder Industries

Abstract: Overview of Boulder Industries and information regarding carbon black sustainability, market conditions and carbon offsets

Mike Kumbalek of Advanced Concepts and Head of Technology for Bolder Industries

Abstract: Will discuss carbon black sustainability (LEED and Level), Products and Compounds, Materials (EPDM, SBR and Natural Rubber Compounds, Compounding Services

2019 Spring 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)

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 TIME FOR 2019

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.

You will find an application form below 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 2019 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 2019 meetings and activities.

Warmest regards,

Leo Goss, 2019 ORG Membership Chair



2019 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: _____ FAX: _____

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 _____

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

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**



2019 Ohio Rubber Group Meeting/Hospitality Sponsorship

The Ohio Rubber Group is looking forward to 2019 being another successful year of technical programs, educational courses and scholarship programs that are the basis of our organization.

All of the 2019 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 2019 Ohio Rubber Group Sponsor, your company will be recognized with your company name displayed at each of the technical meetings (Spring 2019, Fall 2019 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 2019 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 2019 Sponsors *(as of 3/27/19)*

Mid American Machine

Arlanxeo USA

Tokai Carbon CB

HEXPOL Compounding

Dyna-Mix

Momentum Technologies

Ace Products & Consulting

Littlern Corp.

Sovereign Chemical Co.

Alpha Technologies

Vanderbilt Chemicals

R. E. Carroll, Inc.

TMN Sales, LLC

RHD Polymer & Chemicals

Stemaco USA, Inc.

Harwick Standard Dist.

Alttran

Struktol Company of America

Matexion

Blachford Specialty Chemicals

RDAbbott

Polymer Valley Chemicals

ChemRep, Inc.





Register NOW!

ORG Summer Golf Outing - Tuesday, June 18, 2019

This year's format is a 4 golfer scramble

Calling all golfers! It's time to register for the annual Ohio Rubber Group June Golf Outing. This outing fills up quickly so please complete the following registration form and mail it promptly. The golf deadline is

June 11th, however, if there is remaining space after that date you can still join the fun. This year we will again play the beautiful Yankee Run golf course so get your registrations in quickly as there are a limited number of slots available.

Date: **Tuesday, June 18, 2019** Tee Time: **Shotgun start – 9:30 am**

Dinner: **Yankee Run Pavilion 3:30 pm**
(Catered by "Terrible Tom's Barbeque")

Golf course: **Yankee Run Golf Course**
7610 Warren-Sharon Road
Brookfield, Ohio 44403
www.yankeerun.com 330-448-8096



Cost: **\$120.00 per person**** (Mulligan Cards (one per golfer) available at an additional \$5 each)

***Includes golf w/cart, lunch, dinner, beverages, door prize, raffle ticket, skill awards and prizes. Mulligan cards are extra.*

All golfers are encouraged to become members of the 2019 Ohio Rubber Group.

For those needing accommodations in Warren, rooms are available at the Avalon Inn and Resort. Make reservations directly with the Avalon Inn and resort at 800-828-2566.

Thanks for your support – we look forward to seeing you on the 19th! – Jason Huff, ORG Golf Chair, 513-570-1170

Calling All Corporate Sponsors! - 2019 Golf Hole Sponsorship

As you may know, the primary purpose of the ORG Summer Golf Outing is to provide funding for our annual scholarships. The success of this event relies primarily on the generous support of our corporate members. Once again, we are asking that you consider sponsoring a golf hole for the outing.

For each hole sponsored, you will receive your company name on a sign placed at one hole. In addition, your company will be recognized the day of the event, and in the upcoming ORG newsletter.

The cost per hole is \$150.00 or 2 for \$225.00. To participate, simply complete the bottom portion of this letter and return to the address provided w/payment **no later than June 4th**. This will be the last day to sign up for a sponsorship to allow time for printing the sponsor signs. Please sign up early!

Thank you in advance for your support – Jason Huff, 2019 June Golf Chair, **Regina Durst, 2019 June Golf Co-Chair**

Yes! I would like to sponsor _____ hole(s) **1 hole= \$150, 2 holes = \$225**

Company Name _____

Contact Name _____ Contact email: _____

Please mail check payable to ORG or Credit Card info to: **ORG Golf, P.O. Box 341, Bath, OH 44210**

Fax: 330-848-8947 or e-mail : mpuskas@littlern.com

OHIO RUBBER GROUP SUMMER OUTING

OHIO RUBBER GROUP SUMMER OUTING

Tuesday, June 18, 2019 - Yankee Run Golf Course, Brookfield, Ohio

Tee Time: Shotgun start – 9:30 AM Format: 4 golfer scramble

FOURSOME CAPTAIN:

Name	Company	Phone
Address	City, State, Zip	E-mail
Other Foursome Members (include name, company, email)		

	FULL NAME AND EMAIL ADDRESS (Note: Foursome Captain see above)	COMPANY
2		
3		
4		

PRICE: \$120 per person (includes golf w/cart, lunch, dinner, beverages, door prize, raffle ticket, skill awards and gifts)

EXTRAS: MULLIGAN CARDS (One per golfer)

\$5 PER CARD PER GOLFER _____ (TOTAL ORDERED)
Also available at the course, \$5 each, (cash please)



*****Even if you don't golf, join us for dinner!

DINNER ONLY: \$40 (Catered by "Terrible Tom's Barbeque")

PAYMENT (Golf plus Mulligan Cards)

Check enclosed (payable to Ohio Rubber Group) \$ _____ (OR)

Credit Card Total \$ _____ (circle one) Visa MasterCard AMEX Discover

Card # _____ Exp. Date _____ Sec. Code: _____

DEADLINE: June 11, 2019*** NO REFUNDS after June 11, 2019**

Return this form with payment to: Ohio Rubber Group, PO Box 341, Bath, Ohio 44210
 Fax: 330-848-8947 or email: mpuskas@littlern.com Phone: 330-283-0845 or 330-848-8847