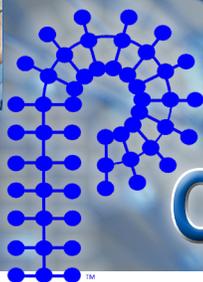




Spring 2023



2023 POLY Chair
Allan Guymon



POLY NEWSLETTER

American Chemical Society
Division of Polymer Chemistry, Inc.

It is truly a tremendous privilege and an honor to serve as the 2023 Chair of the Division of Polymer Chemistry. I would first like to thank the Chairs of the past three years, Mike Meador, Andrea Kasko, and Semra Colak Atan for their incredible leadership over the challenging past three years. It has been a pleasure to work alongside each of them in navigating an ever-changing and unprecedented landscape.

I think I speak for everyone that we are now able to appreciate more fully the value of in-person ACS National Meetings! We were able to participate in an exceptional slate of symposia in Indianapolis, and I look forward to another incredible meeting in San Francisco which will include the first-ever General Topics oral presentation competition. I would like to welcome Julia Kalow to our Programming team and thank our symposia organizers for past and future meetings for all you do.

While excited about the future, this 'new normal' is much different than what we remember before 2020 and has brought with it a new set of challenges and opportunities. As such, it has been the perfect time to reflect on who we are as a division and where we can make the most positive impact. Earlier this year, an exceptional team of representatives from government labs, academia, and industry with a wide range of experience and backgrounds met to develop a new 5-year strategic plan. Our team did amazing work in identifying what we do well and how we can be even better with detailed ideas and plans to move us forward as a division. For the next five years, POLY will 'advocate and advance polymer science' (our new vision statement) while 'empowering a community of polymer scientists to meet the global challenges of today and the future' (our new mission statement). To do so, we will focus on three primary goals centered around 1) Engaging Membership, 2) Developing Resources, and 3) Effective Communication. We encourage you all to read the full plan online (<https://polyacs.org/mission-vision/>) and volunteer to help with our plans to reach these goals. We believe that these innovative and forward-thinking strategies will be instrumental in our future success and opportunities as a polymer community.

POLY Strategic Goals

1. Grow a robust, diverse, and engaged global organization that encompasses the broader polymer enterprise.
2. Provide a portfolio of resources to educate and empower our members to thrive in the polymer enterprise.
3. Effectively communicate the importance and activities of the polymer community to our members.

POLY recently said goodbye and good luck to Lesia Pristas who has served the division with her incredible energy, ideas, and dedication for the past 22 years (see page 9). Lesia has been critical to the immense success of our workshops and our Industrial Advisory Board. We will miss her while remaining thankful for her many contributions and excited for her new opportunities.

Thank you for all that you do in supporting POLY through your membership, input, and efforts. I look forward to working with you all to provide the best opportunities to advance polymer chemistry. See you all in San Francisco!

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- Regional Mtgs.
- MARCO Edu.
- Membership Rpt.
- National Mtg.
- Councilors' Rpt.
- Grad. Symp.
- Undergrad. Symp.

Upcoming

June 17
Fluoropolymer
Workshop

July 1
Paul J. Flory
Award Deadline

July 31
IPS Award
Deadline

Aug. 13-17
Fall ACS
Hybrid National
Meeting

October 15
Sustainable
Polymers
Workshop

November 1
Mark Scholars
Awards Deadline

POLY/PMSE PLENARY & AWARDS PROGRAM

The POLY/PMSE awards reception was held Wednesday, March 29, 2023 at the ACS National Meeting in Indianapolis, IN honoring outstanding achievements by its members. POLY Chair, Allan Guymon, had the pleasure of congratulating the Spring POLY awardees.



POLY/PMSE Plenary Speaker

Jayshree Seth, 3M

Presentation Title: Not the Science Type!



Carl S. Marvel Creative Polymer Chemistry Award

Rodney Priestley, Princeton University

Recognizing accomplishments and innovations of unusual merit in the field of basic or applied polymer science by younger scientists

2023 Past Chair

Semra Colak Atan, 3M

Recognition of Dedication of Leadership as
2022 Chair of the Division of Polymer Chemistry



POLY Members Recognized for Receiving 2023 ACS Fellows

LaShanda Korley (Univ. of Delaware), Corinne Lipscomb (3M Company), Graeme Moad (CSIRO Manufacturing), Margaret Sheridan (3M Company), Wenjun Wu (Arkema)



UPCOMING POLY AWARDS

-Nominate Outstanding Colleagues-

Paul J. Flory Polymer Education Award

Application Due: 7/1/2023

Recognize, encourage, & stimulate outstanding achievements by an individual in promoting undergraduate or graduate polymer education.

Graduate Student Travel Award

Deadline: Historically Aug/Sept (see web)

2 travel awards will be given for the Spring 2024 ACS National Meeting

Industrial Polymer Scientist Award

Application Due: 7/31/2023

Recognizes outstanding industrial innovation and creativity in the application of polymer science conducted by individual scientists or research teams.

General Topics – Symposia Awards

Judged on-site during POLY oral General Sessions

Outstanding Poster Award

Judged during POLY Sci-Mix Poster Session

Sponsor: Springer/MRS Communications





POLY Poster Awards

Sponsors

SPRINGER NATURE MRS Communications

Dhananjay Dileep, Iowa State University

“Anchimerically assisted depolymerization of chimeric polyethylene terephthalate”



Kevin Nixon, Texas A&M University

“Star poly(ionic liquid)s”



Keaton Turney, University of Akron

“Heterogeneous multinuclear nickel catalyst supported by a crosslinked alpha-Diimine ligand network”

You can view their abstracts/posters at:

<https://conta.cc/456eC6U>



Graduate Student Travel Award

Sponsor



Zepeng Lei, University of Colorado, Boulder

“Recyclable and Malleable Thermosets enabled by Dynamic Nucleophilic Aromatic Substitution”



Autumn Mineo, University of Massachusetts Amherst

“Universal Additive Monomers for Reprocess-able Thermoplastics and Thermosets”

POLY Awards Committee

**Committee Chair
Alan Hopkins**

Alan.R.Hopkins@aero.org

Jeff Ting

jeff@nanitebio.com

Toby Nelson

toby.nelson@okstate.edu

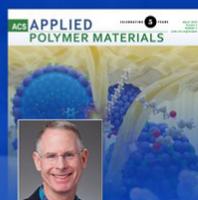
Additional Information

CARLEEL@VT.EDU

<https://polyacs.org/AWARDS/>

The Awards Committee is unable to solicit individual nominations and serve to select awardees. In order for POLY to provide a diverse awards recipient list, we need YOU to nominate outstanding scientists.

THANK YOU ACS JOURNAL PARTNERS!



EDITOR-IN-CHIEF
Kirk S. Schanze
University of Texas at San Antonio



DEPUTY EDITOR
Jodie Lutkenhaus
Texas A&M University



EDITOR-IN-CHIEF
Stuart J. Rowan
The University of Chicago



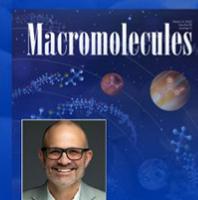
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LIVE WEBINARS AND YOUTUBE POSTS

The POLY sponsored ACS Webinar, "Designing Polyelectrolyte Coatings: Coacervates, Assemblies, and Complex Materials," was held on January 26, 2023. The webinar was given by Prof. Jaime Grunlan of Texas A&M University and Prof. Sarah Perry of University of Massachusetts Amherst, and was moderated by Prof. Rong Yang of Cornell University. Prof. Grunlan discussed how environmentally-benign coatings from water-soluble polyelectrolytes could be used to prevent fires, protect food from spoilage, and mitigate shorts in high voltage electronics. Prof. Perry presented the molecular engineering of polyelectrolyte complex to create tailored bio-inspired materials that can be applied to temperature-stable vaccines, coatings and fibers.



Jaime Grunlan
Texas A&M University

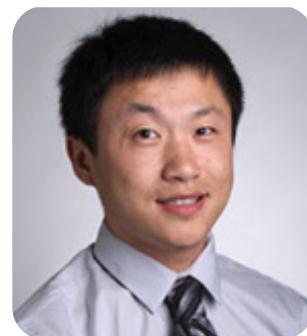


Sarah Perry
University of
Massachusetts Amherst

Another POLY sponsored ACS Webinar, "Engineering Polymers that Prevent Rejection of Gene Therapy and 3-D Printed Implants" was held on April 13, 2023. The webinar was featured by Prof. Matthew Becker of Duke University and Prof. Ke Zhang of Northeastern University, and was moderated by Prof. Adrian Figg of Virginia Tech. Prof. Zhang shared a safe and efficient oligonucleotide delivery technology. Prof. Becker summarized strategies for photochemical printing of tailored highly functional oligomers into a variety of structures exhibiting unique mechanical, chemical and degradation properties, as well as their pre-clinical applications.



Matthew Becker
Duke University



Ke Zhang
Northeastern University

The format of this webinar series is to feature two 25-30 minute presentations followed by a moderated question and answer session. These last POLY webinars had live attendees of more than 1,000 total from over 50 countries. The webinars are organized by the POLY Webinar committee composed of Tomonori Saito, Brent Sumerlin, and Rebecca Olson. The POLY Webinar committee welcome your ideas for topics and speakers for future webinars.

View Past POLY Webinars on YouTube

View POLY/ACS Co-Sponsored Webinars

**CONNECTING WITH POLY
MEANS CONNECTING WITH
YOUR COMMUNITY**

POLY E-LIST

<https://polyacs.org/poly-electronic-discussion-list/>

POLY WEB

www.polyacs.org

[@POLY_ACS](http://www.twitter.com/POLY_ACS)



www.facebook.com/ACSPOLY/
"ACS Division of
Polymer Chemistry"



<http://bit.ly/youtubepoly>
"ACS Division of Polymer Chemistry"



www.linkedin.com
"Division of Polymer Chemistry"

EMAIL DISCUSSION LIST

The discussion list is a great way to inform others and receive information about upcoming symposia, workshops, job positions, share questions and answers, and more. The list is available to all POLY members who choose to sign-up.

To sign up, sign off, or change e-mail address . . .

Go to: <https://polyacs.org/poly-electronic-discussion-list/>

SIGN UP TODAY!

2022 Election Results - 23.3% membership participation!

Approved election slate below. Election will go live in October 2023.

An email will be sent to voting members containing login instructions.

Keep your contact information up-to-date! Send updates directly to SERVICE@ACS.ORG.

Officer Duties

Vice-Chair Duties: Support the Chair and Executive Committee of the Division while acting as liaison for Division Committees. Become familiar with operations of the Division to prepare for the functions of Chair-Elect and Chair in succeeding years. Attend Executive Committee meetings and promote the interests of members, committees, and Executive Committee.

Treasurer Duties: This officer handles all financial affairs for the Division including, but not limited to, overseeing Division dues/renewals, process income and expenditures, file annual income taxes, submits ACS financial reports and develops, maintains, and executes the POLY budget, which is approved by the Executive Committee. This person will solicit and collect support for POLY programs. The Treasurer provides fiscal oversight and approval of national meeting and workshop activity. He/She will oversee investment accounts and provides guidance for growth. The Treasurer serves as the direct supervisor for the POLY Business Office during their 3 year term.

Councilor Duties: Councilors represent the Division at an ACS level. Once elected, ACS assigns the Councilor an ACS committee(s) on which to serve. The Councilors attend committee and ACS Council meeting, held during ACS National Meetings, to provide input to represent the Division. They serve as an active voting member of the POLY Executive Committee. A Councilor provides helpful feedback to Division Officers and the membership in regard to ACS level activity. POLY elects both academic and non-academic officers independently to best represent the broad interests of Division's membership.

Alternative Councilor Duties: During a 3 year term, be available to replace or fill in if a Councilor is unable to fulfill their duties at a National ACS Meeting. Attend POLY Executive Committee meetings and provide the Councilor's report, if absent. Become informed on National and Divisional issues in order to serve as needed. Carry out specific assignments as requested by the POLY Division Chair, Councilor, or serve on committees as needed.

Vice Chair Candidates



Kevin Cavicchi
Univ. of Akron



Derek Patton
Univ. of S. Mississippi

Treasurer Candidates



Abraham Joy
Univ. of Akron



John Matson
Virginia Tech

Councilor Candidates



Wei Gao
Dow



Kathryn Uhrich
UC Riverside

Alternate Councilor Candidates



Toby Nelson
Oklahoma State



Colleen Scott
Mississippi State

Go online to <https://polyacs.org/elections/> to see election history, officer duties, and other election information

POLY INDUSTRIAL ADVISORY BOARD

As we begin 2023, the POLY Industrial Advisory Board is branching out and growing! We've recently added a new membership tier in support of small and start-up companies (<500 employees) with reduced membership dues. This is a move toward inclusion to ensure that the IAB reflects the breadth and depth of industrial participation in the Division. As a part of that move, we're also thrilled to welcome Jeff Ting from Nanite as IAB Co-Chair. His dedication to the IAB throughout the past years, including his efforts in establishing and supporting the New Industry Networking Group (NING), has tremendously helped IAB in adapting to a hybrid world and providing value to members. We're looking forward to continued efforts towards bringing industrial participation and guidance to POLY.

During the Spring 2023 National Meeting, IAB continued to support technical programming via organizer support for the Industrial Innovations in Science Symposium, supporting the Excellence in Graduate and Undergraduate symposia and providing financial support for 2 Graduate Travel Awards, along with panelists in support of career panels for students. We also were grateful to see everyone in-person for the IAB Social and the IAB Business Breakfast. Looking to the future and San Francisco 2023, we're excited to continue with these events and forms of support and are looking for industrial volunteers who are interested in engaging with the division around career development resources specific to the POLY Division. Please reach out if you're interested!

Finally, we need to recognize and appreciate all the support over the years from Lesia Pristas, who has recently moved to a new role. Her years of dedication and support for the IAB have made a lasting impact on not just the IAB but the Division as a whole and she will be missed. We also want to welcome and congratulate Kathy Mitchem for stepping in as POLY Business Office support for IAB to ensure the continuity of member company support and the continued success of IAB. Thank you Lesia and welcome Kathy!



Hayley A. Brown
The Dow Chemical Company
POLY IAB Chair 2023



Jeff Ting is a Senior Scientist working at Nanite, a venture-backed biotech startup in Boston, MA that is focused on developing next-generation non-viral gene delivery with a programmable polymer nanoparticles for a range of modalities and indications.

You can read more about Jeff and his work at <https://sites.google.com/view/jting1/about>.

JOIN IAB

IAB would like to invite you to join us to ensure that you and your company have a voice in divisional education, awards, and programming. For more information, visit <https://polyacs.org/iab/>

UPCOMING IAB SPONSORED AWARD

Deadline: 7/31/2023
Industrial Polymer Scientist Award recognizes outstanding industrial innovation and creativity in the application of polymer science conducted by individual scientists or research teams. Info at: <https://polyacs.org/industrial-polymer-scientist-award/>

A Complete Solution for Polymer Characterization by SEC-MALS

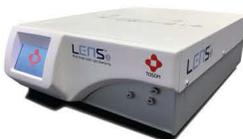


The Winning Combination for your Polymer Analysis

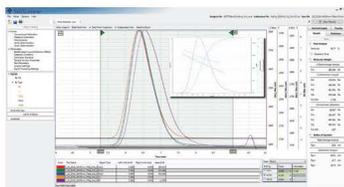
EcoSEC Elite
HLC-8420GPC



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SECviewTM
Advanced Multi-Detector SEC Software



Greater stability and reproducibility than ever before

- Extended pump temperature control for more stable flow rate
- Low volume degasser unit integrated in pump oven
- Temperature controlled autosampler tray (optional)
- Optional heated solvent stocker

Extended light scattering capabilities

- Innovative flow cell and optics design for unmatched signal-to-noise at extreme angles (10° and 170°)
- Direct molecular weight distribution by low angle (LALS – 10°) even for oligomers and low dn/dc samples
- Accurate detection of ultra-small differences in scattering intensity for size (R_g) measurements below 10 nm

Powerful and intuitive GPC/SEC software

- Molecular weight and R_g data in just a few clicks
- Simultaneous multiple analysis methods for easy comparison of light scattering and column calibration results
- Simple and fast calibration procedures
- 21-CFR-Part 11 compliant

High resolution TSKgel[®] columns for all GPC/SEC applications

- Multiple packing materials for all types of samples and mobile phases, from aqueous to organic
- Single bed, mixed bed and multipore technology to cover all molecular weight ranges
- Small dimension semi-micro columns available, for high throughput and reduced solvent consumption

www.tosohbioscience.com

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FLUOROPOLYMER

June 17 - 22 2023
Denver, CO USA

Organizers: Iacono & Ameduri
REGISTER AT: <https://www.polyacs.net/23fluoropolymerregistration>

SUSTAINABLE POLYMERS

October 15 - 18, 2023
Safety Harbor, FL USA

Organizers: Hillmyer, Epps, & Robertson
POSTER ABSTRACT
DEADLINE: July 19, 2023



**CONTROLLED RADICAL
POLYMERIZATION**

November 12 - 15 2023
Charleston, SC USA

Organizers: Matyjaszewski, Tsarevsky,
Gao, & Sumerlin
ABSTRACT DEADLINE: October 1, 2023

**THE 18TH PACIFIC
POLYMER CONFERENCE**

December 3 - 7, 2023
Puerto Vallarta, Mexico

Organizers: Bonilla, Advincula, Lara,
Matyjaszewski, Lodge, & Luna
REGISTER AT:
<https://www.polyacs.net/polyppc18>

2024 Upcoming Workshops

POLYMERS & FIRE

May 12 - 15, 2024
New Orleans, LA USA
Org: J. Grunlan & Morgan

ADVANCES IN POLYOLEFINS

September 29 - October 2, 2024
Rohnert Park, CA USA
Org: Matyjaszewski, Tsarevsky, Gao, & Sumerlin

For more information or to propose a new workshop for 2023 or 2024, please contact the Workshop Committee Chair Marc Hillmyer (hillmyer@umn.edu) or Kathy Mitchem (kathyl@vt.edu) in the POLY Business Office

THANKS FOR 22 YEARS OF SERVICE - LESIA PRISTAS

The Division's long-time Administrative Program Administrator, Lesia Linkous Pristas retired from her position with POLY in February 2024 after 22 dedicated years of service.

During this time, she enthusiastically served as POLY Workshop Coordinator guiding 4-6 workshops to success every year for decades. She handled hotel contracts, budget development, meeting websites, registration oversight, program development, and on-site meeting service. She was also amazingly adept at handling workshop organizers!

She provided support to the Industrial Advisory Board for many years, supporting the mission of the IAB in engaging industrial members and ensuring their participation via support for IAB Socials and Board Breakfasts at National Meetings and in aiding organizers for the longstanding Industrial Innovations in Polymer Science Symposium which is now approaching its 10-year anniversary. She also worked closely with the Division Chair to plan and execute the ExComm winter meetings and special dinners. During the COVID-19 pandemic, she dove into the virtual world helping to set up zoom committee meetings, send care packages, and develop webinars & web-shops for POLY.

During her years of oversight, the POLY workshops reported were extremely successful by all measures and working with the IAB raised a great deal of financial support to promote and foster industrial-specific membership activities. Most importantly, Lesia brought a personal touch and sense of caring to all aspects of her job. She made each organizer, Chair, and POLY member feel their thoughts and needs were important (even when they weren't!).

Her support will be sincerely missed by her co-workers and too-many-to-count POLY friends. Lesia accepted a well-deserved position with the Center for Excellence in Teaching and Learning (AP faculty position) at Virginia Tech where she will have the opportunity to utilize her many years of experience and recently completed Master's Degree. Thank you Lesia and all the best to you in the next chapter.



National Graduate Research Polymer Conference 2023

June 29th – July 1st, 2023

**Michigan Union
University of Michigan, Ann Arbor, MI**

**Hosted by the UM Macromolecular Science
and Engineering Program**

MACRO REPORT

The MACRO website is launched and live (<https://macro-poly-pmse.org/>). Please check it out and provide feedback. We aim to provide resources in three main venues, Curriculum, Professional Development, and Outreach.

On the Curriculum page, a variety of resources are available on the MACRO webpage. Please review and provide feedback. We are also soliciting ideas for new topics, especially those related to polymer physical chemistry and advanced polymer characterization. If you are interested or able to contribute to the physical chemistry topics, please reach out to us. New developments: Have prepared a complete slide set for "Defining molecular weight". Topics such as "Characterizing molecular weight" and "Intro to rheology/viscoelasticity" are underway and should be completed by the end of the calendar year. We also started to make videos of polymer materials and applications to share with the community as a whole. These will be accessible short videos.

On the Professional development (PD) page, we have published resources on the MACRO website for undergraduates seeking further graduate study in polymers. We plan to expand these resources over the next 3-5 year to address all stages of career development including graduate students, industry and academics. Updates and developments: We held a web panel on August 21, 2022 on the topic of "Burnout and managing stress in graduate studies". We also hosted a web panel on November 16, 2022 focused on "Graduate school and REU applications." If you have any suggestions for future panels, please reach out.

On the Outreach page, we've begun to create a depository of materials for individuals to be able to spread their passion and knowledge of science to the general population. MACRO launched an interface where individuals can share what they are currently utilizing in their communities and receive appropriate recognition for their contributions to the Polymer community. We've begun to solicit individuals to create content and have posted several modules. New developments: We plan to host an outreach competition during the summer. More details to follow.

If you have any questions or are interested in contributing to any of these pages, please reach out to Liz Sterner (esterner@lvc.edu), Dominik Konkolewicz (d.konkolewicz@miamioh.edu) or Philip Costanzo (pcostanz@calpoly.edu).

MACRO TEAM



Philip Costanzo
CAL POLY



Liz Sterner
Lebanon Valley College



REGIONAL MEETINGS

<https://www.acs.org/meetings/regional.html>

Central Regional Meeting

June 20-23, 2023
Dearborn, Michigan

Northwest Regional Meeting

June 28-30, 2023
Bozeman, Montana

Rocky Mountain Regional Meeting

Sept 15-17, 2023
Laramie, Wyoming

Midwest/Great Lakes Regional Meeting

Oct 18-21, 2023
St. Louis, Missouri

Southeastern Regional Meeting

Oct 25-28, 2023
Durham, North Carolina

Southwest Regional Meeting

Nov 15-18, 2023
Oklahoma City, Oklahoma

MEMBER-AT-LARGE REPORT



Member-At-Large
Katrina Knauer
kmk06f@gmail.com

As POLY endeavors on accomplishing ambitious strategic goals for the next XYZ years, supporting our members is at the very top of our list. This year, we hosted the annual POLY/PMSE peer nomination award for the second time. This award encourages graduate student to nominate a fellow graduate student that they feel goes above and beyond in the polymer science community. We received over 10 excellent nominations! The two winning graduate students (and their awesome nomination videos) were:

- Daria Bukharina, Georgia Tech: <https://bit.ly/georgiatechpeervideo>
- Cheyenne Peltier, Cornell: <https://bit.ly/cornellpeervideo>

We also hosted a polymer science educational lab demo competition that was open to all POLY members. We had over 10 amazing submissions! All lab demos will be posted to the MACRO website for educators across the world to access and bring polymer science into their curriculums. Sadly, we could only select two winners from this amazing group. They created fun, educational laboratory demos demonstrating polymer science fundamentals. View the videos by clicking the links below:

- “Viscoelastic behavior of polymers” : Jack Ly, Program Manager and Research Scientist UES, Inc
o Co-contributors: Dr. Kara Martin – Lead Research Chemist at AFRL Aerospace Systems Directorate and Dr. Lisa Rueschhoff – Lead Materials Research Engineer at AFRL Materials and Manufacturing Directorate with cameos of Mr. Bill and Ted Bunny
- **ASU POLY** : Arizona State University POLY/PMSE Student Chapter: Lead by Clarissa Westover and Rose McDonough (graduate students at ASU)

We encourage all members to take advantage of POLY’s member benefits and get involved. If you have ideas of how we can enhance the value of POLY membership please share your ideas by messaging Kat Knauer at katrina.knauer@nrel.gov. We want to thank our members for their support and we encourage everyone to get involved.

- 1st Year Free **Membership!**
- Eligible for POLY **Awards**
- Job Opportunities posted to POLY list serve, Facebook, and LinkedIn
- Professional & Student Networking Events at ACS
- Industrial Activities through **IAB** (Industrial Advisory Board)
- **Workshop** Registration Discounts and Speaking Opportunities
- Online **Webinar** and Webshop Series
- Curriculum & Education Resources (**MACRO**)
- Opportunity to Vote for the **Executive Committee**
- Membership Anniversary Recognition
- **Student Awards**, Symposia, **Chapters**, & more
- ACS National Meeting Organizing & Speaking Opportunities
- Strong Networks in the Polymer Community!

INTERESTED IN A POLY/PMSE STUDENT CHAPTER?

Student Chapters are student run organizations affiliated with the POLY and PMSE division, that provide networking and development opportunities to students and post-doctoral associates in the polymer field.

Funding can be used to host speakers for a special symposium, hold a poster session with students from the chapter and other chapters in the same region, host community outreach events, and much more that can help the chapter grow!

Learn more at: <https://polyacs.org/student-chapters/>

Programming Team

Pictured top to bottom: Danniebelle Haase, Rob Mathers, Levi Moore, Sara Orski, and Julia Kalow



*POLY gives a warm welcome to the newest addition to the POLY programming committee: **Julia Kalow**, Northwestern University*

Past POLY Graphical Abstracts
<https://polyacs.org/poly-at-previous-national-acs-meetings/>

POLY Symposia
Submission (Spring & Fall)
<https://polyacs.org/symposium-proposal-online-form/>

267th Hybrid ACS National Meeting (Fall) August 13-17, 2023 *San Francisco, CA

ACS Theme: Harnessing the Power of Data

Lead Program Chair: Sara Orski (sara.orski@nist.gov)

- 6th CME NASA Symposium: Advancing Materials for Space Exploration
- ACS Award in Pure Chemistry in Honor of Julia Kalow
- ACS Macro Letters/Biomacromolecules/Macromolecules Young Investigator Award in Honor of Athina Anastasaki and Dominik Konkolewicz
- Big Data in Polymer Chemistry
- Biorelated Polymers in Honor of Dr. Ray Ottenbrite
- Charles G. Overberger International Prize for Excellence in Polymer Research in Honor of Uli B. Wiesner
- Chemical Recycling and Upcycling of Polymers
- Circular Economy of Polymers
- General Topics: New concepts in Polymer Characterization
- General Topics: New Synthesis and Characterization of Polymers
- General Topics: Ultrahigh Molecular Weight and Network Polymers
- Henkel Award for Outstanding Graduate Research in Polymer Science and Engineering Honoring Chris Delre
- Herman F. Mark Award in Honor of Robert Waymouth
- Industrial Innovations in Polymer Science
- Natural Polymers - A Back to the Future Approach to Deal with the Plastics Issues
- POLY/ PMSE Award and Plenary Event
- Polymer Mechanochemistry
- Polymers for Defense Applications
- Simulation and Data Science Approaches to Design Biologically Relevant Polymers and their Applications
- Virtual Graduate Students Symposium in Asia-Pacific Region on Polymer Chemistry
- Young Industrial Polymer Scientist Award in Honor of Hayley Brown

268th Hybrid ACS National Meeting (Spring) March 17-21, 2024 *New Orleans, LA

ACS Theme: Many Flavors of Chemistry

Lead Program Chair: Levi Moore (levimjmoore@gmail.com)

- Advances in Ring-Opening Polymerizations/Ring-Closing Depolymerizations
- Bioinspired Coacervates: Fundamental Studies and Applications
- Excellence in Polymer Graduate Research
- General Topics: New Synthesis and Characterization of Polymers
- Incorporating Polymer Science in the Classroom
- Industrial Innovations in Polymer Science
- Many flavors of Polymer Chemistry for 3D Printing
- Microgels and Nanogels: Fundamentals and Applications
- Modern Approaches to Post-polymerization Modification
- Molecule to Material Insights in Polymer Networks
- Nonlinear Chemical Phenomena in Polymeric Systems
- Paul J. Flory Polymer Education Award
- Polymer Binders in Highly Filled Systems
- Polymers with Inorganic Materials
- S. Louisiana Industrial Symposium
- Structure to Function in Supramolecular Polymers and Materials
- Undergraduate Research in Polymer Science



POLY COUNCILORS' REPORT

The Spring 2023 meeting was held in Indianapolis, IN, in a hybrid manner from March 26-30. As of March 29, there were 12,623 registrations (10,792 in-person and 1,831 virtual). At the ACS Council meeting, held on March 29, the following actions were taken:

By electronic ballot, the Council selected Dorothy J. Phillips and Florian J. Schattenmann as candidates for 2024 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall 2023 National Election.

On the recommendation of the Council Policy Committee (CPC), Council approved the Petition to Amend the Duties of the Council Policy Committee to authorize CPC to review the conduct of Councilors.

As required by the ACS Governing Documents, CPC has set the divisor for Local Section and Division representation at Council for the period 2024-2027. The formula is based on membership numbers as of December 31, 2022. Notification will be sent by the Secretary to all affected units by May 1, with details on how they will be impacted. CPC also reviewed the Councilor Expense Program and voted to approve a streamlined process for fall 2023. The committee also voted to review further streamlining options for the program going forward.

On the recommendation of the Committee on Committees (ConC), and with the concurrence of the Council Policy Committee, Council approved the Petition to Amend the Duties of the Committee on Environmental Improvement to change the name of the committee to the Committee on Environment and Sustainability.

ConC announced that the opening of the online preference form to all ACS members begins on April 3 and will run through July 3. Councilors interested in serving on an ACS Committee in 2024 should go to CMTE.acs.org to complete their preferences.

On the recommendation of the Committee on Nominations and Elections (N&E), and with the concurrence of the Council Policy Committee, Council approved the Petition to Add Plan B to Council Meetings, which authorizes the postponement of voting at Council in case of technology failures or natural disasters.

The Committee on Local Section Activities (LSAC) announced the launch of the ACS Speaker Directory, a new resource for our component group leaders to access a wide range of speakers for their in-person, hybrid, and asynchronous events.

The Committee on Meetings and Expositions (M&E) is actively engaged in collaborative efforts to re-imagine ACS meetings, targeting increased value and relevancy. Councilors can expect to receive more information on the Future of Meetings project in the coming weeks, starting next month with the M&E Chair comment in C&EN.

POLY Councilors
Pictured left to right:
Kathryn Beers
Mary Ann Meador
Greg Tew
Kathryn Uhrich

Future ACS Meetings

Harnessing the Power
of Data
August 13 - 17, 2023
San Francisco, CA

Many Flavors of Chemistry
March 17 - 21, 2024
New Orleans, LA

Elevating Chemistry
August 18 - 21, 2024
Denver, CO

ACS Spring 2025
March 23 - 27
San Diego, CA

ACS Fall 2025
August 17 - 21
Washington, DC

<http://bit.ly/futureacsm meetings>

EXCELLENCE IN POLYMER GRADUATE RESEARCH

The eighteenth symposium on "Excellence in Polymer Graduate Research" took place during the Spring 2023 Hybrid ACS National Meeting in Indianapolis, Indiana on March 27-28, 2023.

The purpose of this symposium was to provide recognition to outstanding graduate students in polymer science and engineering, to foster networking and exposure, and to help develop the careers of future leaders in our field. There were 21 oral presentation and 10 posters.

Dr. Judith C. Giordan, 2023 ACS President, visited the symposium on Monday to give an encouraging talk to the students and take a group photo (view below). Each student was recognized with a certificate plus a cash award. In addition, special recognition was given to the two students listed on the right.

The symposium was publicized via POLY media channels and the POLY listserve. The organizers requested each department nominate one outstanding graduate student to speak on his or her research in this special symposium. Nominations and submissions are processed in August annually. A description of the application can be found online at <https://polyacs.org/excellence-in-graduate-polymer-research-symposium/>.

BEST PRESENTATIONS



Haley Beech
Massachusetts
Institute of
Technology



Dharneedar Ravichandran
Arizona State
University

Organizers

Christine Coltrain (Eastman Kodak Company), Christopher Ellison (Univ. of Minnesota), Tim Long (Univ. of Arizona), and Jeffrey Self (Univ. of Minnesota)

Sponsors/Support

ACS Presidential Event, POLY, POLY IAB, PRES, PROF, SOCED, TOSOH, Wiley, and YCC

Congratulations Outstanding Graduate Students!

Ali Alshaikh
Univ. of Alabama
Hajara Babayo
North Carolina State
Ren Bean
Arizona State
Haley Beech
MIT
Ciera Cipriani
Texas A&M
Brianna Coia
Florida State
Erin Day
UNC

Dhananjay Dileep
Iowa State
Marlow Durbin
Georgia Tech
Josiah Hanson
Univ. of Houston
Addie Keating-Zaid
Univ. of Akron
Leman Kurnaz
USC
Zepeng Lei
Univ. of CO, Boulder
Yiye Lu
Cornell Univ.

Kelsi McDermott
Idaho State
James McQuade
Rutgers Univ.
Kevin Nixon
Texas A&M
Jinkyung Noh
Seoul National Univ.
Vaibhav Palkar
Clemson Univ.
Kitae Park
Yonsei Univ.
Valentino Perez
Georgia Tech

Dharneedar Ravichandran
Arizona State
Mark Robertson
USM
Cory Sims
BGSU
Kayla Storme
MIT
Yunyan Sun
UIUC
Somayeh Taslimy
Univ. of Texas at Dallas
Albert Velasco
Univ. of CO, Boulder

Rahul Venkatesh
Georgia Tech
Yazhen Xue
Yale Univ.
Yumeng Zhu
Virginia Tech



● UNDERGRADUATE RESEARCH SYMPOSIUM

The seventeenth annual "Undergraduate Research in Polymer Science" Symposium was held during the Spring 2023 Hybrid ACS National Meeting in Indianapolis, IN.

The symposium is intended to provide recognition to outstanding undergraduate students in polymer science and engineering, to foster networking and exposure, to introduce opportunities in graduate research and to help develop the careers of future leaders in both academia and industry. There were 17 oral presentations and 35 poster presentations from numerous universities across the globe. The symposium featured a panel discussion on careers in polymer science with representatives from national laboratories, academia, and industrial laboratories.

The panel was sponsored by POLY Industrial Advisory Board. The panelists were: Dr. Semra Colak, 3M; Dr. Joe Grant, Dow; Dr. Sara Orski, NIST; Dr. Anisur Rahman, Oak Ridge National Laboratory, and Dr. Yoan Simon, University of Southern Mississippi.

Organizers

Sarah Morgan, Heather Broadhead, and Sergei Nazarenko
The University of Southern Mississippi

BEST PAPER

First Place
Justin Edaugal, Univ. of Tennessee Knoxville
Second Place
Jolly Patro, CalTech
Third Place
Emily Struck, Pacific Lutheran Univ.

BEST POSTER

First Place
Nadia Crawford, Trinity Univ.
Second Place
Luis Tsatsos Montoliu, Brown Univ.
Third Place
Rachel Worden, Georgia Tech

Sponsors Support

POLY IAB, TOSOH and POLY

● POLY AWARDS RECOGNITION: 2023 FALL ACS MEETING

ACS Macro Letters/Biomacromolecules/ Macromolecules Young investigator Award

Athina Anastasaki - ETH Zurich
Dominik Konkolewicz - Miami University

Herman F. Mark Polymer Chemistry Award

Robert Waymouth - Stanford University

Charles G. Overberger International Prize for Excellence in Polymer Research

Uli B. Wiesner - Cornell University

POLY Graduate Student Travel Award

Kriti Kapil - Carnegie Mellon University
Julio E. Terán - North Carolina State University

Distinguished Service Award

Michael Meador - NASA Glenn
Research Center (retired)

Young Industrial Polymer Scientist Award

Hayley Brown - Dow, Inc.

Henkel Award for Outstanding Graduate Research in Polymer Science and Engineering

Chris Delre - University of California, Berkeley

Student Symposia and Award Opportunities

<https://polyacs.org/for-students-and-recent-phd/>

*Become a POLY Member to be
eligible for these opportunities*

INTERESTED IN ADVERTISING?

On behalf of the ACS Division of Polymer Chemistry, we would like to invite you to consider advertising in the POLY Newsletter.

Our non-profit organization distributes the POLY Newsletter to approximately 4,000 of its polymer scientist members. The POLY NEWSLETTER is distributed in June and October each year and describes the Division activities and announces polymer-related scientific activities worldwide. The POLY Newsletter provides an excellent opportunity for advertising.

Complete information is available by going to

<https://www.polyacs.net/newsletter>

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ExComm & Past Chairs Dinner, Spring 2023