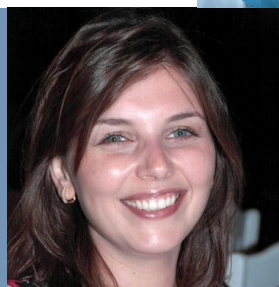
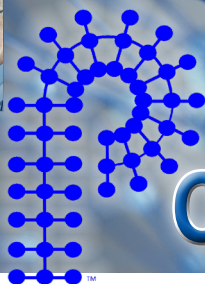




Spring 2022



2022 POLY Chair
Semra Colak Atan



POLY NEWSLETTER

American Chemical Society
Division of Polymer Chemistry, Inc.

I am honored to serve as the 2022 Chair of the ACS Division of Polymer Chemistry (POLY). Our Division strives to “be the premier professional organization promoting polymer science and its value to society” and I am thrilled to be working with such a dedicated and enthusiastic team of volunteers to achieve that goal. The global pandemic has challenged all of us, personally and professionally. We all have learned new ways to communicate, be resilient, be agile, and most importantly, we witnessed the important role science played in COVID-19 prevention and control. I feel deeply grateful to our incredible volunteers, seasoned and new, who stepped up to the challenges faced, stayed dedicated, and continued to serve and lead our Division.

The Spring ACS Meeting in San Diego was a true celebration of polymer science as evidenced by the symposia lineup. The excitement of attending the meeting in-person, and the energy among the fellow scientists bonding through chemistry was remarkable. POLY had excellent programming throughout the meeting, which was the reflection of the hard work of our Programming Team and symposia organizers. We thank you all for your invaluable service!

Last year we launched a membership survey to better understand the changing needs of our community. I am happy to share that, based on your feedback, we are implementing a few new initiatives this year that we believe will improve communication, engage the next generation of scientists who are our future, and bring more value to our membership. The most exciting initiative was the formation of the POLY/PMSE Student Advisory Board. Their goal is to better understand student needs, connect chapters to share best practices, and build enhanced student networks and communities. To build on the students' interest and ability to coordinate lecture series, the student advisory board is leading a student-organized symposium that will take place during the ACS Fall meeting in Chicago, IL.

The Macromolecular Alliance for Community, Resources, and Outreach (MACRO) Committee, supported by both POLY and PMSE divisions of ACS, has been actively expanding its website to include more information on curriculum development, professional development, and outreach. The enthusiasm of this committee is inspiring. I invite you to visit their website: <https://macro-poly-pmse.org>. In addition to building their valuable content, the committee has been organizing career panel discussions as well as symposia on “Incorporating Polymer Science into the Classroom” which was held during the ACS Spring Meeting in San Diego.

We continue to provide hybrid or virtual benefits to our members who are not able to attend ACS meetings in person. Our webshop and webinar teams continue to deliver excellent seminars to our members. We are also expanding POLY's reach into the international and regional meetings.

One of our membership benefits is the eligibility to be nominated to receive POLY awards and I encourage you to nominate worthy candidates for the upcoming awards. During the 2022 ACS Spring Meeting, we were thrilled to recognize the achievements of our members who made and continue to make an incredible impact in the polymer field. Please join me in congratulating our awardees for Spring 2022. A list of these awards can be found on pages 2 and 3. I would also like to recognize the 2021 POLY Chair, Andrea Kasko, for her dedication and strong leadership through one of the most challenging years in POLY's history.

Finally, I'd like to thank our members for their continued support. It is important for you to know that the Executive Committee is here to represent you. We hope you will consider joining our team of volunteers to work together and continue to enhance POLY. I encourage you to share any feedback and ideas you may have as we work together in the upcoming year. Please feel free to contact me directly (scolak@mmm.edu). I look forward to seeing you at the ACS Fall National Meeting in Chicago, IL, and celebrating the sustainability in a changing world.

Inside

Chair Message

Awards

Webinars

Elections

IAB

Workshops

In Remembrance

MARCO Edu.

Membership Rpt.

National Mtg.

Councilors' Rpt.

Grad. Symp.

Undergrad. Symp.

Upcoming

June 5
Polymers & Fire
Workshop

June 15
ACS/POLY
Webinar

July 1
Carl S. Marvel
Award Deadline

Aug. 21-25
Fall ACS
Hybrid National
Meeting

September 18
Advances in
Polyolefins
Workshop

October 31
YIPS Award
Deadline

POLY/PMSE PLENARY LECTURE AND AWARDS PROGRAM

The POLY/PMSE awards reception was held Wednesday, March 23, 2022 at the ACS National Meeting in San Diego, CA, honoring outstanding achievements by its members. POLY Chair, Semra Colak had the pleasure of congratulating the spring POLY awardees

PMSE/POLY Plenary Speaker



Karen Winey
University of Pennsylvania

"Polymer Chemistries for Double Gyroid Morphologies Past, Present, and Future"

2022 Special Service Award



Christine Coltrain
Eastman Kodak Company

For outstanding service and dedication to POLY as a Councilor, Mentor, Programmer, and Treasurer

2022 POLY Fellows



Kristi Anseth
University of Colorado at Boulder



David Bergbreiter
Texas A&M University



Hayley Brown
Dow, Inc.



Richard Hoogenboom
Ghent University



X. Michael Liu
Glaukos Corporation



Carlos López-Barrón
Exxon-Mobil Chemical Company

Event Sponsored by

ACS **Macro Letters**

Bio MACROMOLECULES

Macromolecules

Paul J. Flory Polymer Education Award



Timothy Long
Arizona State University

Recognizing outstanding achievements by an individual in promoting undergraduate or graduate polymer education

UPCOMING AWARDS DEADLINES

Carl S. Marvel Award for Creative Polymer Chemistry

Deadline: 7/1/2022

Purpose: Recognize innovation of unusual merit in the field of basic or applied polymer science by younger scientists.

2022 Past Chair Award



Andrea Kasko
University of California, Los Angeles

Recognition of Dedication of Leadership as 2021 Chair of the Division

Young Industrial Polymer Scientist Award

Deadline: 10/31/2022

Purpose: Recognize outstanding industrial innovation and creativity in the application of Polymer Science, conducted by young individual scientists.

POLY Graduate Student Travel Award



Shuang Liang
Georgia Institute of Technology
"Monodisperse Polymer-Ligated Nanocrystals: from Synthesis to Dimension-Dependent Physical Properties"



Yu Zheng
Stanford University
"Molecular Design Approach Towards Elastic and Multifunctional Polymer Electronics"

The Herman F. Mark-Polymer Chemistry Award

Deadline: 11/1/2022

Purpose: Recognize outstanding research & leadership in polymer science.

POLY Outstanding Poster Award



Christopher Brown
MIT



Neil Rosenfeld
Texas A&M University



Kayla Storme
MIT

POLY Fellows Award

Deadline: 11/30/2022

Purpose: Recognize outstanding achievements in & contributions to polymer science & the profession.

POLY Awards Committee

Chair, Alan Hopkins Alan.R.Hopkins@aero.org
Hayley Brown hbrown1@dow.com
Toby Nelson toby.nelson@okstate.edu

Additional Information
CARLEEL@VT.EDU

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

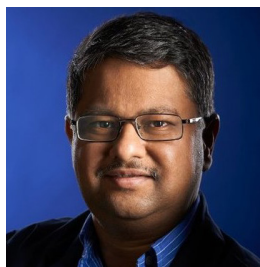
The Awards Committee is unable to solicit individual nominations and serve to select awardees. In order for POLY to provide a diverse awards recipient list, we need YOU to nominate outstanding scientists.

LIVE WEBINARS AND YOUTUBE POSTS

POLY and ACS are co-producing three webinars in 2022. On Thursday, May 5th from 2-3:30 pm ET there was a live broadcast on the **Role of Polymer Science in Water Purification Membranes**, featuring Geoffrey Geise of the University of Virginia and Abhishek Roy of National Renewable Energy Laboratory (NREL) moderated by Syed Islam of Oak Ridge National Laboratory.



Geoffrey Geise
UVA



Abhishek Roy
NREL



“Water, water, everywhere, Nor any drop to drink.” As populations increase, finding new, more effective ways to purify existing water sources is becoming more important and innovation with purification membranes through polymer chemistry is leading the way.

Geoffrey M. Geise of the University of Virginia described how polymer structure and dynamics influence the movement of water and salts through separation membranes. Abhishek Roy of the National Renewable Energy Laboratory shared the importance of polymer science in understanding polyamides based reverse osmosis membranes and how new polymer characterization methods lead to fundamental breakthroughs in correlating polymer structure with predicting properties in purification membranes.

The ACS Webinar was moderated by Syed Islam of Oak Ridge National Laboratory, and co-produced with the ACS Division of Polymer Chemistry. ACS will upload the webinar soon for members so you can catch it on-demand at <https://www.acs.org/content/acs/en/acs-webinars.html>. Additional POLY co-produced webinars will be aired live on Wednesday, June 15 at 2-3:30 pm ET and Thursday, August 11 at 2-3:30 pm ET.

POLY and ACS co-produced five webinars in 2021. These webinars were viewed live by 3,575 attendees, and are a great value to our members. The webinar committee members are Brent Sumerlin, University of Florida, Tomonori Saito, Oak Ridge National Laboratory, and Laura Stratton, Polymer Chemistry Innovations.

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](https://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!

2021 Election Results - over 20% membership participation!

Approved election slate below. Election will go live in October 2022.

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.

Vice Chair Candidates

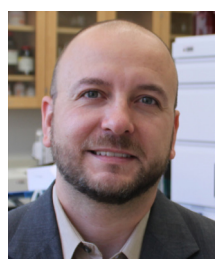


Laura Stratton
PCI



Michael Hunt
The Chatham Group

Secretary Candidates



Justin Kennemur
Florida State Univ.



Jessica Kramer
Univ. of Utah

Councilor Candidates #1



Kathryn Beers
NIST



Emily Pentzer
Texas A&M

Councilor Candidates #2



Mark Dadmun
Univ. of Tennessee



Greg Tew
Univ. of Mass.
- Amherst

Alternate Councilor Candidates (Select 2)



Phil Costanzo
Cal Poly



Mark Grinstaff
Boston Univ.



Brian Long
Univ. of Tennessee



Bradley Rodier
Rochal Ind.

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



Welcome to
IAB Vice Chair

Hayley Brown,
Dow Chemical
Company

POLY Industrial Advisory Board (IAB)

For 2022

EDUCATION

IAB supports educational initiatives relative to industrial needs.

PROGRAMMING

In addition to providing strategic recommendations to ACS POLY on future programming topics, IAB facilitates increased industrial interaction with its own programming.

- Programming continues with the Industrial Innovations in Polymer Science (IIPS). Thank you to Hayley Brown, Michael Minkler, and Manesh Sekharan for their spring organization as a hybrid event. The next installment, organized by Hayley Brown, Michael Petr, and Daniel Abebe, is planned for the fall.

AWARDS

IAB recognizes outstanding industrial polymer scientists at every level of their career.

- Industrial Polymer Scientist Award - Don't miss the Fall 2022 Award Symposium at the Chicago ACS Meeting to honor of Margaret Sheridan (3M)
- Young Industrial Polymer Scientist Award
- POLY Student Travel Awards
- Graduate and Undergraduate Research symposium awards

NETWORKING

Building relationships with others in industry can be difficult given that companies do not typically facilitate these types of connections. IAB creates a neutral environment to building longterm relationships which are mutually beneficial to the company and employee.

The purpose of IAB is to enhance and foster industrial engagement and support to develop programming, awards and recognition, and education within the ACS Division of Polymer Chemistry.



Corinne
Lipscomb (3M),
POLY IAB Chair

Join IAB

I would like to personally invite you to join the IAB to ensure that you and your company have a voice in divisional education, awards, and programming. In addition to the above, you will have:

- Increased visibility within the international polymer community, particularly in the USA.
- Opportunities to scout and recruit talent.
- Knowledge of what is on the forefront of polymer science & collaborative research.
- Advanced notice of symposia topics for ACS national meetings.
- Involvement in the development of scientific presentations at pertinent symposia.
- Corporate logos displayed on ACS meeting posters, the POLY Newsletter & at sponsored events.



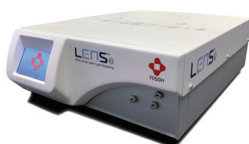
A Complete Solution for Polymer Characterization by SEC-MALS

The Winning Combination for your Polymer Analysis

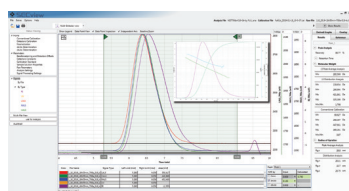
EcoSEC Elite®
HLC-8420GPC



LENs®
Multi-Angle Laser Light Scattering



SECview®
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

Tosoh Bioscience, EcoSEC Elite and TSKgel are registered trademarks of Tosoh Corporation.

LenS is a registered trademark of Tosoh Bioscience LLC in the USA, India and Japan.

SECview is a registered trademark of Tosoh Bioscience LLC in the USA, EU, and India; and of Tosoh Corporation in Japan.

ADVANCES IN POLYOLEFINS

September 18 - 21 2022

Doubletree by Hilton Sonoma Wine Country
Rohner Park, CA USA

Organizers: Klosin, Register, Wagener, & Soares

ABSTRACT DEADLINE: August 1

**POLYMERS AND
NANOTECHNOLOGY**

October 16 - 19, 2022

Embassy Suites by Hilton Napa Valley
Napa, CA USA

Organizers: Laine & J. Grunlan

ABSTRACT DEADLINE: September 5

**POLYMERS IN MEDICINE
AND BIOLOGY**

November 28 - December 1, 2022

Embassy Suites by Hilton Napa Valley
Napa, CA USA

Organizers: Reineke & Ratner

ABSTRACT DEADLINE: October 17

FLUOROPOLYMER 2023

June 17 - 22 2023

Denver, CO USA

Organizers: Iacono & Ameduri

ABSTRACT DEADLINE: May 16, 2023

SUSTAINABLE POLYMERS 2023

October 15 - 18, 2023

Safety Harbor, FL USA

Organizers: Hillmyer, Helms, & Robertson

ABSTRACT DEADLINE: July 19, 2023

2023 Approved Upcoming Workshops

POLYMERS IN DATA SCIENCE

Fall 2023

Org: Beers, Olsen, & Audus

CONTROLLED RADICAL POLYMERIZATION

November 2023

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 Lesia Pristas (lesiar@vt.edu) in the POLY Business Office

IN MEMORY OF ROBERT GRUBBS



Robert H. Grubbs passed away on Dec. 19, 2021, at the age of 79. Grubbs was a Nobel laureate and the Victor and Elizabeth Atkins professor of chemistry at the California Institute of Technology. Grubbs mainly developed novel organometallic catalysts and used them to make new compounds and polymers. His impact on chemistry reached far beyond his work, extending to an even larger community.

He won the Nobel Prize in Chemistry in 2005 along with Richard R. Schrock of the Massachusetts Institute of Technology and Yves Chauvin of the French Petroleum Institute. In 1998, He started the company Materia, which makes thermoset resins using this metathesis chemistry.

Grubbs was born in rural Kentucky in 1942. "In some places, my birthplace is listed as Calvert City and in others Possum Trot," he wrote in his Nobel Prize biography. He originally went to the University of Florida as an agricultural chemistry major but became fascinated with organic chemistry. As a master's student, he worked with Merle Battiste at Florida before moving to Columbia University to complete his PhD with Ronald Breslow.

While at Columbia, Grubbs met his wife Helen, who survives him, and with whom he had three children: Barney, Brendan, and Kathleen.

You can view Robert's obituaries at <https://cen.acs.org/people/obituaries/Nobel-laureate-Robert-Grubbs-dies/99/web/2021/12> or <https://www.caltech.edu/about/news/caltech-mourns-the-loss-of-nobel-laureate-robert-h-grubbs>.

IN MEMORY OF ADI EISENBERG



Adi Eisenberg passed away on January 12, 2022, at the age of 86. He was a retired Otto Maas Professor of Chemistry at McGill University. A Holocaust survivor liberated by the Russians in 1945 at age ten, Eisenberg went on to become a world-class chemist: he earned his B.S. from the Worcester Polytechnic Institute and his Ph.D. from Princeton University. His love of research characterized his personal and academic life: he loved nothing more than being in the laboratory with his students and thinking up new experiments.

Dr. Eisenberg is widely recognized as a pioneer in the field of amphiphilic block copolymers which now find numerous applications in drug delivery, materials science, and nanotechnology. During his career at McGill, he has published over 400 papers and has become the most cited chemist in the history of the Department. He was elected a Fellow of the Royal Society of Canada and received numerous awards, including Killam Research Fellowship, E. W. R. Steacie Award, Urgel Archambault Prize from ACFAS, Humboldt Research Award, and Canadian Institute of Chemistry (CIC) Medal. Nearly 50 graduate students and over 60 post-doctoral fellows have been trained in Eisenberg's lab; many of them have become well-known polymer chemists in Canada and around the World.

Dr. Eisenberg is survived by his second wife Chantal Zimmerman, his children Elliot Eisenberg, Ph.D., Shoshana Zimmerman (Sass Peress), Sabrina Zimmerman, Jonathan Zimmerman (Rita Politi), and his seven grandchildren Leora, Alexa, Jake, Grant, Luca, Jordana, and Abigail.

You can view Adi's obituaries at <https://www.mcgill.ca/chemistry/channels/news/passing-professor-emeritus-adi-eisenberg-1935-2022-336467> or <https://montrealgazette.remembering.ca/obituary/adi-eisenberg-1084189725>.

The MACRO website is launched and live (<https://macro-poly-pmse.org/>).

On the Curriculum page, a variety of resources are available on the MACRO webpage. Please review and provide feedback. The MACRO team is also soliciting ideas for new topics, especially those related to polymer physical chemistry and advanced polymer characterization. New developments: Updated introductory materials. There are multiple sets of introductory slides (no audio, both PowerPoint and PDF), the instructor support document, and five videos made from the slides ready to upload to the YouTube channel. All of the synthesis modules have no-audio PowerPoint slides, PDF slides, and a complete instructor document. The characterization modules for FTIR and SEC have no-audio PowerPoint slides, PDF slides, and complete instructor document. The MACRO team has 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, there are published resources on the MACRO website for undergraduates seeking further graduate study in polymers. The plan is to expand these resources over the next 3-5 years to address all stages of career development including graduate students, industry, and academics. Updates and developments: The MACRO team held a live REU and Grad School Live Panel on November 5, 2021. Dominik Konkolewicz and Bhavya Singhi co-moderated. There were over 20 students and 5 panelists (Michaela Stefan (Grad School/Academic), Leilah Petit[REU], Valerie Carmichael [Grad School], Jafer Vakil [Grad Student], Lou Charkoudian [REU and Managing Grad School]) through Zoom. This type of live interactive web panel/webinar format is where MACRO envisages significant effort. The goal is to hold these types of webinars every quarter. A multitude of documents have been updated including "Tips for writing a paper", "CVs vs Resumes" and "A career in industry or academia".

On the Outreach page, the team has 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. MACRO has begun to solicit individuals to create content and has posted several modules. New developments: Added recently added outreach resources: Slime with Jello; Bouncyballs with borax; Sillyputty with cornstarch/glue; Bring your own Pumpkin

The MACRO team welcomes feedback on the website and additional ways to expand the curriculum, professional development, and outreach. 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



Dominik Konkolewicz
Miami University



Liz Sterner
Lebanon Valley College

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.

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

MEMBER-AT-LARGE REPORT



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

POLY is excited to welcome our members back to in person meetings and we are hoping to continue to grow our membership as we rise out of the COVID-19 pandemic and (hopefully) to a brighter future. Despite the challenges we faced in the last year, the POLY community still thrived! We hosted a 3-Minute Pitch Competition for our Student Chapters and we had four outstanding winners including Wynter Paiva from the University of New Hampshire, Emily Ness from the University of Minnesota, Irlaine Machado from Case Western University, and JiHyeon Hwang from the University of South Carolina. Additionally, we had an in-person meeting for the National Spring ACS Meeting in San Diego and had one of our most well-attended student socials ever hosted by our BASF sponsors!

While we are looking forward to seeing our POLY members at in-person meetings over the next year, we will continue to find ways to keep our members active virtually and to provide value to POLY membership. We are exploring new webinar platforms to expand our educational and professional development capabilities as well as a strategy to offer POLY workshops and other events virtually.

We encourage our members to take advantage of the other benefits we offer, especially those available to graduate students. Other benefits that our POLY members can access are:

- 1st Year Free Membership!
- Eligibility for awards (including Member of the Month!)
- Alerts for academic, national lab, and industrial job opportunities shared through the POLY list serve
- Networking and professional development events at local/national ACS meetings and local POLY/PMSE chapters
- Industrial scientist support and networking through IAB (Industrial Advisory Board)
- Polymer science-related conferences and workshops advertised through the POLY list serve
- Online educational webinar and webshop series covering cutting-edge polymer research
- Opportunity to vote for the executive committee (annually)
- Recognition for membership (5th, 10th, 20th, and 30th anniversaries)
- Student support – student awards, student symposia, career panels at ACS meetings, support for student chapters.
- An excellent support group for building strong networks in the polymer community!

If you have other ideas on how we can keep enhancing the value of POLY membership please contact Kat Knauer at katrina.knauer@nrel.gov. We want to thank our members for their support and we encourage everyone to stay safe!



Focusing on the Future of Chemistry

ACS NORTHEAST REGIONAL MEETING 2022

October 2-5, 2022, Rochester, NY
Hyatt and Rochester Riverside Convention Center
Website: <https://nrm2022.org>

Featuring a diverse technical program: Synthesis, Materials Chemistry, Energy Generation and Storage, Optoelectronics and Sensing, Biological and Medical Chemistry, Sustainability, Manufacturing, and Fabrication.

MAPS abstract submission: June 6 to July 25, 2022.



INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY IUPAC SEEKS INPUT FROM POLYMER COMMUNITY

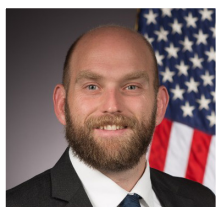
The IUPAC Polymer Division are seeking to develop recommendations for polymer terminology.

IUPAC just published a Dilemma paper (<https://pubs.rsc.org/en/content/articlelanding/2022/py/d2py00086e>) where they are seeking input from the scientific community regarding polymerization terminology.

Please let IUPAC know your thoughts by emailing them at polymer.terminology@iupac.org.

Comments will be read until the end of 2022.

Programming Team
Pictured top to bottom: Danniebelle Haase, Rob Mathers, Levi Moore, and Sara Orski



264th Hybrid ACS National Meeting (Fall) August 22-25, 2022 *Chicago, IL

ACS Theme: Sustainability in a Changing World

Lead Program Chair: Rob Mathers (rtm11@psu.edu)

- 2022 Mark Scholar Award in honor of Kate Beers
- 2022 Mark Scholar Senior Award in Honor of Marc Hillmyer
- 2022 Mark Scholar Young Award in Honor of Zachary Hudson
- ACS Macro Letters/Biomacromolecules/Macromolecules Young Investigator Award
- Circular Economy of Polymers
- Design of Polymers toward Upcycling
- Dynamic Covalent & Supramolecular Polymer Networks
- Federally Funded Research for Polymer Circularity
- General Topics: New Synthesis & Characterization of Polymers
- Green Polymer Chemistry & Sustainability
- Industrial Innovations in Polymer Science
- Industrial Polymer Scientist Award in Honor of Margaret Sheridan
- Next-Generation Synthesis & Structure for Pi-Conjugated Polymers
- POLY/PMSE Plenary Award Ceremony & Reception
- Polymer Characterization for Sustainability
- Virtual Graduate Students Symposium in Asia-Pacific Region on Polymer Chemistry

265th ACS National Meeting (Spring) March 26-30, 2023 *Indianapolis, IN

ACS Theme: Crossroads of Chemistry

Lead Program Chair: Danniebelle Haase (DHaase@dow.com)

- Carl S. Marvel Award for Creative Polymer Chemistry
- Bridging cellulose and polymers
- Excellence in Graduate Polymer Research
- General Topics: New Synthesis and Characterization of Polymers
- Industrial Innovations in Polymer Science
- Large Polymers the Size of Small Polymers
- POLY/PMSE Plenary Award Ceremony & Reception
- Undergraduate Research in Polymer Science

POLY GRAPHICAL ABSTRACT SUBMISSION REQUIREMENTS:

- POLY abstract includes title, authors, affiliations, abstract text and a key figure
- The word limit for national meetings is 300 words (2500 characters)
- Both tables and images subtract from the abstract word count
- Each row in a table counts for a total of 7 words (56 characters)
- An image counts for a total of 70 words (560 characters)

The POLY Programming Committee are currently soliciting additional ideas for Spring 2023 symposia in Indianapolis. They are looking for enthusiastic organizers (novice and veteran) to organize around the “crossroads of chemistry” theme and other relevant topics in our community!

Industrial Innovations in Polymer Science (IIPS) is looking for eager volunteers to learn the IIPS ropes with current leaders and develop next-generation industrial leadership. Interested? Contact Hayley Brown (hbrown1@dow.com).

- **ACS National Meeting:** www.acs.org/content/acs/en/meetings/national-meeting.html
- **POLY Program Info:** <https://polyacs.org/poly-at-national-ac-s-meetings/>
- **ACS Symposia Submission:** <https://polyacs.org/symposium-proposal-online-form/>



POLY COUNCILORS' REPORT

The ACS Council Meeting was held virtually on March 23rd, 2022. On the recommendation of the Committee on Budget and Finance, Council approved the Petition to Amend certain specific uses of dues revenues to reflect the strength of the Society's overall financial position. This included two major changes. One allocated more resources to C&EN. The second change aims to strengthen support for local sections and technical divisions. Because of the trend of falling dues revenue over the past several years, the amount available for Sections and Divisions has fallen proportionally as well. And while dues revenues have decreased, overall Society revenues and assets have seen healthy growth during this period. The supported change earmarks a portion of the Society's long-term investment pool to this activity and also provides a more stable and growing basis for this funding in the future.

POLY Councilors

Pictured left to right: Kathryn Beers, Mary Ann Meador, Greg Tew, and Kathryn Ulrich

Future ACS Meetings

Sustainability in a Changing World
August 21 - 25, 2022
Chicago, IL

Crossroads of Chemistry
March 26 - 30, 2023
Indianapolis, IN

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>

Meetings and Expositions (Mary Ann Meador and Kathryn Ulrich): Fall 2021 Meeting in Atlanta was the first meeting since the beginning of the pandemic with in-person participation. At the first hybrid meeting, registration was strong with 8,267 registrants with 2,756 being first-time attendees. The final count of virtual attendees was 6,377 (71%) and 1,890 (23%) for in-person attendance. International attendance was 21%. The top five international countries represented were led by China, followed by Canada, United Kingdom, Germany, and Japan. The meeting had 5,608 oral presentations and 1,600 posters. While Fall 2021 did not feature an Expo, there was solid participation in the sponsorship program, with 31 participating companies and organizations. The expo returned for Spring 2022. The ACS meetings department planned and participated in nearly twenty hybrid, virtual regional, specialty meetings and events, which had more than 6,000 attendees combined. 2021 closed with the 100% virtual Pacificchem Congress, with more than 8,700 registrants, representing 71 countries, with nearly 9,300 live technical presentations.

Divisional Activities (Kate Beers): In consultation with the Committee on Membership Affairs, a working group is investigating opportunities that the new membership package can hold for Divisions. The Division of Carbohydrate Chemistry (CARB) requested a name change to Division of Carbohydrate Chemistry & Chemical Glycobiology (CARB).

Society Committee on Publications (Greg Tew): ACS Publications delivered a strong performance in 2021 despite the global challenges caused by the COVID-19 pandemic. The Division continued to make all COVID-19 relevant content free-to-access, supporting the fight against the virus, and increasing public awareness through relevant journal articles. Although the difficult environment reduced the output of research labs worldwide, ACS journals continued to grow in submissions, usage, and citations.



Take a peek at the list of planned session topics for all divisions!

Click on each division to view topics.

<https://callforabstracts.acs.org/acsfall2022>

EXCELLENCE IN POLYMER GRADUATE RESEARCH

The seventeenth symposium on "Excellence in Polymer Graduate Research" took place during the Spring 2022 Hybrid ACS National Meeting in San Diego, California on March 21-22, 2022. 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 28 oral presentation and 19 posters. The symposium was publicized via POLY media channels and the POLY listserver. We requested each department nominate one outstanding graduate student to speak on his or her research in this special symposium.

Dr. Angela Wilson, 2022 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 four students listed on the right.

Organizers

H.N. Cheng (USDA), Christine Coltrain (Eastman Kodak Company), Christopher Ellison (Univ. of Minnesota), Tim Long (Univ. of Arizona), and Emily Wiltz (Univ. of British Columbia)

Sponsors/Support

ACS Presidential Event, Gelest, POLY Industrial Advisory Board, TOSOH, and Wiley

Symposium Website

View symposium abstracts online

<https://www.polyacs.net/2022polygradsym>

SPECIAL RECOGNITION



Sayli Jambhulkar
Arizona State Univ.



Joanna Korpany
Northwestern Univ.



Katherine Rodriguez
MIT



Boer Liu
Arizona State Univ.

Congratulations Outstanding Graduate Students!

Sangeet Adhikari
Arizona State
Mohammed Almtiri
Mississippi State
William Archer
Virginia Tech
Prerana Carter
Iowa State
Jiehao Chen
Georgia Tech
Evan Culver
North Dakota State
Rishad Dalal
Univ. of Minnesota
Alexandra Easley
Texas A&M Univ.

Luke Galuska
USM
Panagiotis Georgiou
Univ. of Warwick
Sean Gitter
UW-Madison
Miguel Gonzalez
Georgia Tech
Tanner Grover
Univ. of Iowa
Lorena Grundy
UC-Berkeley
Carina Haddad
BGSU
Sumeng Hu
Northwestern Univ.

Yiming Hu
Univ. of CO Boulder
Paul Hurst
UC-Irvine
Soon-Hyeok Hwang
Seoul National Univ.
Sayli Jambhulkar
Arizona State
Timothy Jugovic
Univ. of Michigan
Catherine Kaase
Stanford Univ.
Anas Karuth
North Dakota State
Joanna Korpany
Northwestern Univ.

Taylor Larison
Univ. of SC
Jae Sang Lee
Arizona State
Ruiqi Liang
Yale Univ.
Shuang Liang
Georgia Tech
Boer Liu
Arizona State
Stephanie Marxsen
Florida State
Katherine Rodriguez
MIT
Andreas Mueller
Univ. of Minnesota

Robert O'Dea
Univ. of Delaware
Nathan Richbourg
UT-Austin
Devarat Sathe
Univ. of Akron
Kapil Dev Sayala
SMU
Grant Sheridan
UIUC
Katherine Stawiasz
UIUC
Xuelin Sui
Georgia Tech
Jian Sun
UW-Madison

R Bharath Venkatesh
UPenn
Wencong Wang
MIT
Hanghang Wang
UT-Dallas
Yuyan Wang
Northeastern Univ.
Kayla W.-Pavliantos
Univ. of Akron
Yu Zheng
Stanford Univ.
Yang Zhou
Virginia Tech



● UNDERGRADUATE RESEARCH SYMPOSIUM

The sixteenth annual "Undergraduate Research in Polymer Science" Symposium was held during the Spring 2022 Hybrid ACS National Meeting in San Diego, California. There were 24 oral presentations and 27 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 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.

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

Sponsors Support
Gelest, POLY Industrial Advisory
Board, TOSOH and POLY

BEST PAPER



1st Place
Katherine Chism
Colorado State



2nd Place
Helena All
Univ. of Minnesota



3rd Place
Katie Lu
Colorado State

BEST POSTER

1st Place
Duncan Haddock
Pacific Lutheran Univ.



2nd Place
Matthew Yim
Caltech



3rd Place
Lauren Chua
UPenn



3rd Place
Annissa Graham
UC-Irvine



3rd Place
Clotilde Tagnon
UT-Austin

TIME-CRITICAL CONFIDENTIAL PROBLEM SOLVING SINCE 1973

- CHEMICAL ANALYSIS AND CHARACTERIZATION
- THERMAL ANALYSIS AND RHEOLOGY
- MECHANICAL TESTING
- ORGANIC SYNTHESIS
- LAB COMPOUNDING, PELLETIZING AND INJECTION MOLDING
- FAILURE ANALYSIS
- QUALITY ASSURANCE
- CHEMICAL RESISTANCE
- ACCELERATED WEATHERING
- FDA EXTRACTIONS
- R & D



- PLASTICS
- POLYMERS
- RUBBER
- ASTM

P: 281-879-8600

F: 281-879-8666

10626 KINGHURST
HOUSTON, TX 77099



www.polyhedronlab.com



American Polymer Standards Corporation
8680 Tyler Blvd., Mentor, OH 44060
Phone: (440) 255-2211 * Fax: (440) 255-8397

★ **GPC/SEC Analysis** (Organic & Aqueous)

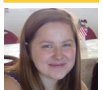
★ **GPC/SEC Polymer Standards** (Organic & Aqueous)

Visit Our Website for Full Product Listings

www.ampolymer.com

Printable PDF of catalog available on website

Contact POLY for Advertising Opportunities, Membership Benefits, & More



- Newsletter & E-news Advertising
- Membership Benefits
- POLY Workshops
- POLY Webinars
- ACS National Meetings
- POLY Sponsored Events

POLY Business Office
1075 Life Science Circle, M.C. 0917
ICTAS II, Virginia Tech
Blacksburg, VA 24061
540-231-3029, KATHYL@VT.EDU

ACS Division of Polymer Chemistry, Inc. - Executive Committee

CHAIR

SEMRA COLAK ATAN
3M Company
scolak@mmm.edu

PAST CHAIR

ANDREA KASKO
Univ. of California, Los Angeles
akasko@ucla.edu

COUNCILORS (continued)

MARY ANN MEADOR
NASA Glenn (Retired)
mabmeador@gmail.com

ALTERNATE COUNCILORS

PHILIP COSTANZO
CAL POLY

CHAIR-ELECT

ALLAN GUYMON
Univ. of Iowa
allan-guymon@uiowa.edu

COUNCILORS

KATHRYN BEERS
NIST
kathryn.beers@nist.gov

GREG TEW

Univ. of Mass., Amherst
tew@mail.pse.umass.edu

WEI GAO
Dow

VICE CHAIR

DAWANNE POREE
US Army Research Lab.
dawanne.e.poree.civ@army.mil

KATHRYN UHRICH
Univ. of California, Riverside
kathryn.uhrich@ucr.edu

EMILY PENTZER
Texas A&M Univ.

YOAN SIMON
Univ. of Southern Miss.

SECRETARY

ERIK BERDA
Univ. of New Hampshire
Erik.Berda@unh.edu

TREASURER

CHRISTINE COLTRAIN
Eastman Kodak Company
christine.coltrain@kodak.com

MEMBER-AT-LARGE

KATRINA KNAUER
NREL
kmk06f@gmail.com



ExComm & Past Chairs Dinner, Spring 2022