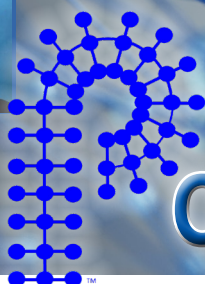


Fall 2018



# POLY NEWSLETTER

American Chemical Society  
Division of Polymer Chemistry, Inc.



**2018 POLY Chair**  
**Diana Gerbi**

## Inside

Chair Message

Awards

Webinars

Elections

Moore Obituary

IAB

Workshops

Video/Poster Award

National Mtg.

Councilors Rpt.

Web Update

Treasurer's Rpt

More Info.

It has been an amazing year! The August National ACS Meeting in Boston proved to be another overwhelming success. The theme of the meeting was Nanoscience, Nanotechnology, and Beyond. What could be more appropriate for POLY? Highlights of the meeting included symposia on Polymers for Defense Applications, the TOSOH Lecture Series, and Materials Genome Approach to Structure and Function. At the POLY/PMSE Plenary awards session, Dr. Timothy Bunning (Air Force Research Laboratory) presented, *"Translating Polymer Science into Practice: Air Force Materials Science and Technology."*

An exciting honor was POLY being presented with an ACS ChemLuminary Award for outstanding collaboration in 2017 between a Local Section (New York) and a Technical Division for the symposium, *"Journey to Mars."* The ceremony was opened by ACS President Peter Dorhout and the keynote address was presented by Carol Duane, recipient of the 2018 Award for Volunteer Service to the American Chemical Society. It was truly amazing to see examples of collaboration and accomplishment across ACS.

Awards are an important part of POLY recognition for our members working in academia, government, and industry, as well as students. I encourage you to nominate your colleagues. Award recipients and deadlines are provided on page 3.

A key upcoming event is the POLY Fall Elections. As a POLY member, your vote is important. I encourage you to review the candidate statements and cast your vote. Yes, your vote matters as it will secure representatives who will promote the interests of our POLY members.

You may have friends or colleagues who are joining ACS for the first time or have an interest in POLY. Encourage them to join POLY; the first year is free!

As the year comes to an end, it occurs to me that I have been active in POLY for over 35 years and during this time, POLY has supported me throughout my career in various ways, contributing to both my personal development and industrial career. This is due, in no small part, to the caliber of POLY members and those willing to hold office, working to make POLY a premier organization. I look forward to the next generation becoming involved and stepping into leadership positions.

Last, but not least, it has been a privilege to serve as POLY Chair in 2018 and I thank you for the opportunity. I hope to see you in Orlando.



20th Annual  
ChemLuminary  
Awards

## Upcoming

October 16 -  
November 16  
Elections Open

October 31  
YIPS Award  
Deadline

November 1  
Herman Mark  
Award Deadline

November 5  
ACS ABSTRACT  
DEADLINE

November 30  
POLY Fellows  
Award Deadline

December 16  
Silicon Containing  
Composites Workshop



## Plenary

The POLY/PMSE awards reception was held on Wednesday evening, August 22, 2018, at the ACS National Meeting in Boston, MA, honoring outstanding achievements by its members. Timothy Bunning (Airforce Research Lab.), opened the event with a Plenary Lecture titled, "Translating Polymer Science and Engineering into Practice: Air Force Materials Science and Technology". 2018 POLY Chair, Diana Gerbi (3M, retired) and 2018 PMSE Chair, Melissa Grunlan (Texas A&M) had the pleasure of congratulating this year's presenter.



## Industrial Polymer Scientist Award

Qinghuang Lin (IBM) was awarded the Industrial Polymer Scientist Award for his extraordinary contributions to Industrial Innovation and Creativity in the Application of Polymer Science. For more than 20 years, Lin has made important and sustained contributions to advanced functional polymers for modern electronics. A Master Inventor, he has authored/co-authored more than 95 issued US Patents and over 70 pending applications! His inventions have been used to make some of the most popular electronics devices used today.

## ACS Fellows

The (ACS) Fellows Program recognizes ACS members for outstanding achievements in and contributions to science, the profession, and the Society. POLY congratulated its POLY Division Members who received this honor, including Hongyu Chen (Dow Chemical), E. Bryan Coughlin (Univ. of Mass-Amherst), Malika Jeffries-El (Boston Univ.), Eric K. Lin (NIST), Melissa Pasquinelli (N.C. State Univ.), Stuart J. Rowan (Univ. of Chicago), and Daniel E. Savin (Univ. of Florida).

## DSM Science and Technology Award

Royal DSM, the global Life Science and Materials Science Company, sponsors an award which consists of 4 finalists. During the ACS National Meeting these four awardees present their research and DSM judges their presentations. A grand prize is presented on-site. Congratulations to finalists Kevin Gu (Stanford Univ.), "High performance roll-to-roll printed PTB7-Th/PC71BM organic solar cells", Cong Jin (Univ. of Alberta) "Sequential annealing of block copolymers for Moiré superstructures" and Yuxing Yao (Harvard Univ.) "Design of polymeric microstructures showing active, dynamic and hierarchical deformations" and Grand Prize Winner, Yoonseob Kim (Univ. of Michigan) "Stretchable electronic and photonic nanocomposites from self-organized nanoparticles."





## Biomacromolecules/Macromolecules Young Investigator Award

The ACS journals ACS Macro Letters, Biomacromolecules, and Macromolecules, in partnership with POLY, are proud to honor the 2018 Awardees: Matthew I. Gibson (University of Warwick) and Jeremiah A. Johnson (Massachusetts Institute of Technology). The award recognizes two rising stars every year who have made major impacts in the field of polymer science.



## Henkel Award for Outstanding Graduate Research in Polymer Science

Henkel is proud to honor Aleksandr V. Zhukhovitskiy (MIT) for his Ph.D. earned from MIT under the supervision of Prof. J. A. Johnson. His presentation delved into the "Advancing coordination chemistry in materials science: From linear and network polymers to surfaces." Dr. Zhukhovitskiy is currently a Life Science Research Foundation Merck Postdoctoral Fellow at the University of California–Berkeley.



### APPLY FOR UPCOMING POLY AWARDS

*Deadline: 10/31/18*

#### Young Industrial Polymer Scientist Award

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

*Deadline: 11/1/18*

#### Herman F. Mark Polymer Chemistry Award

Purpose: Recognize outstanding research and leadership in polymer science.

*Deadline: 11/30/18*

#### POLY Fellows Award

Purpose: Recognize excellence in all ways that POLY members advance our field of polymer science, either through science, service, or both.

*Deadline: 1/15/19*

#### Biomacromolecules/ Macromolecules Young Investigator Award

Purpose: Honor the contributions of two individuals, early in their careers, who have made a major impact on the field of polymer science.

*Deadline: 1/25/19*

#### Henkel Award for Outstanding Graduate Research in Polymer Science

Purpose: Recognize a graduate student or recent graduate who completed an outstanding Ph.D. thesis in research.

*Deadline: 2/20/19*

#### Charles G. Overberger International Prize for Excellence in Polymer Research

Purpose: Recognize and encourages accomplishments of unusual merit in the field of basic or applied polymer science.

*Additional Information: [kathyl@vt.edu](mailto:kathyl@vt.edu) - <https://polyacs.org/AWARDS/>*

### Awards Team

**Johan Foster**  
540-231-8165  
[johanf@vt.edu](mailto:johanf@vt.edu)

**Semra Colak Atan**  
651-736-4315  
[scolak@mmm.com](mailto:scolak@mmm.com)

**Toby Nelson**  
405-744-2482  
[toby.nelson@okstate.edu](mailto:toby.nelson@okstate.edu)

## LIVE WEBINARS AND YOUTUBE POSTS

POLY continues to strive to provide high quality benefits for its members. Utilizing the webinar platform, members can experience a live on-line educational scientific presentation during which participants can interactively submit questions and comments. A POLY webinar features two 20 minute presentations and is hosted by POLY Past-Chair, Prof. Marc Hillmyer (Univ. of Minnesota). POLY will host its 6th POLY Webinar on Tuesday, November 13, 2018 starting at 1:30pm EST and will feature Prof. Brett Fors (Cornell Univ.) and Prof. Julia Kalow (Northwestern Univ.) titled **"Innovations in the Photochemistry of Polymers."** If you are booked on the webinar date, don't worry! All POLY webinar recordings are added to the POLY YouTube channel for future review.



**Tuesday, November 13, 2018 - 1:30pm EST**  
**Innovations in the Photochemistry of Polymers**

Prof. Brett Fors, Cornell University  
*"Photocontrol of polymer synthesis"*

Prof. Julia Kalow, Northwestern University  
*"Photocontrol of polymer properties"*

### View Past POLY Webinars on YouTube

The Power of Plastics Polymerized Ionic Liquids and Nanostructured Polymers

How to Design the Next Generation of Sustainable Polymers




How to Design Better Biomedicine: Polymeric Materials and Nanomaterials

Semi-Conducting Polymers: The New Horizons and Unmet Future Challenges

High Impact Nanotechnology Applications of Layer-by-Layer Assemblies


Innovations in the Photochemistry of Polymers

COMING  
SOON



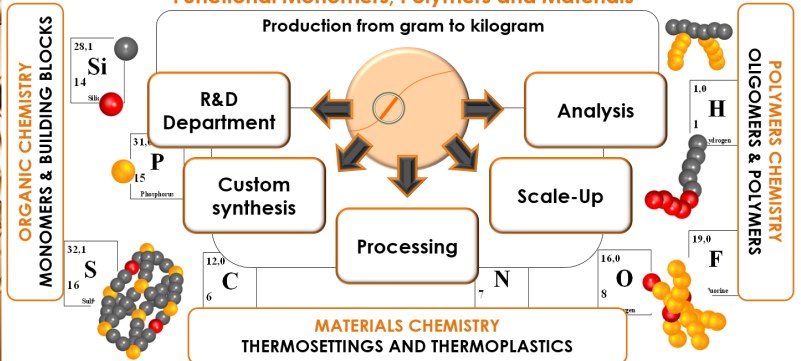
# SPECIFIC POLYMERS

GO TO OUR ONLINE CATALOG  
More than 1000 (macro)molecules  
[www.specificpolymers.fr](http://www.specificpolymers.fr)



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**POLYMERS CHEMISTRY**  
OLIGOMERS & POLYMERS

**MATERIALS CHEMISTRY**  
THERMOSETTING AND THERMOPLASTICS



## 2018 POLY Election

### Vice Chair Candidates



Kevin Cavicchi  
University of Akron

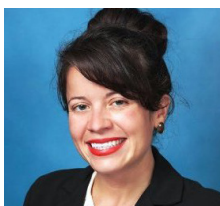


Andrea Kasko  
UCLA

### Member-At Large Candidates

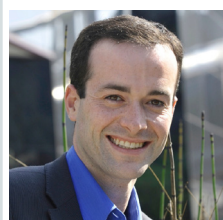


Mark Grinstaff  
Boston University



Kat Knauer  
BASF

### Councilor Candidates



Travis Baughman  
DSM



Mary Ann Meador  
NASA

### Alternate Councilor Candidates



Frieder Jäkle  
Rutgers University



Laura Stratton  
Polymer Chemistry  
Innovations

### VOTING ONLINE IS EASY AS 1-2-3!

1. Watch for e-mail from [elections@vote-now.com](mailto:elections@vote-now.com)
2. Go online to complete the election ballot.
3. Contact [kathyl@vt.edu](mailto:kathyl@vt.edu) if you do not receive a ballot by October 25th.

## IN MEMORY OF ROBERT S. MOORE



Dr. Robert (Bob) S. Moore, long time Member Volunteer for the Division of Polymer Chemistry (POLY) and Chair of POLY in 1998, passed away May 26, 2018.

He was predeceased by his loving wife Mary, granddaughter Haley Leigh Bone and sister Carolyn Schatz. He is survived by his children, Kathleen (Peter) Czora, Thomas Moore and Susan (Mark) Moore; grandchildren, Shane Moore, Connor Czora and Allison Czora; sister Elizabeth Moore; a niece and a nephew.

Bob obtained his BS degrees in chemistry and naval science, and a PhD degree in physical chemistry from the University of Wisconsin at Madison. He was a Research Chemist/Laboratory Head at Eastman Kodak for nearly 30 years and was a Visiting Scientist at Cornell University from 1989-90 while still at Kodak. Prior to joining Kodak, he was a Member of the Technical Staff of Bell Labs and earned three patents during his tenure there. Bob was a Naval Officer and served his country aboard the U.S.S. Los Angeles CA-135 from 1955 - 1958.

Bob was a Member of the American Chemical Society, and associated divisions including POLY, PMSE, and the Society of Rheology. In addition to representing POLY as the 1998 Chair, he was named a Fellow of the American Chemical Society and Division of Polymer Chemistry, received the 2006 POLY Distinguished Service Award, and was the Chair of the POLY Industrial Advisory Board for nine years (2001 – 2010.) He authored more than 40 papers and patents in polymer chemistry and physics, and was active in ACS and POLY level programming dating as far back as 1976 as Co-chair of the Water-Borne Polymers Symposium.

Bob loved to sing and participated in his church choir for close to 50 years. After retirement, he also became a member of the Rochester Oratorio Society (ROS), for over a decade, as well as three other choral groups. He participated in the ROS tour to Beijing and Shanghai for the 2008 Olympic Cultural Festival. Bob was an avid sailor, skier, and photographer, and lived life to its fullest.

# THE INDUSTRIAL ADVISORY BOARD

I am excited to see such a wide variety of initiatives implemented in 2018. POLY Industrial Advisory Board (IAB) continues to keep POLY relevant to its industrial membership by supporting opportunities for networking, programming, education, and awards.

## 2018 Highlights:

- Award Presentation to **2018 Industrial Polymer Scientist Awardee Qinghuang Lin (IBM)** for his "Outstanding Industrial Innovation and Creativity in the Application of Polymer Science".
- IAB sponsored the Spring and Fall Graduate Student Travel Awards. In 2018, IAB voted to increase this award to \$750 (originally \$500 each). Two awards are given at each ACS National Meeting.
- **Congratulations Fall 2018 Graduate Student Travel Awardees:**  
**Jiazhen Chen, Northwestern University**  
*"Scandium-catalyzed Olefin Polymerizations: Polar Comonomer Enchainment and Nuclearity Effects"*  
**Sahar Qavi, New Mexico State University**  
*"Chemorheology of Polymerization in Nano-Confined Structures of Self-Assembled Block Copolymers"*
- Support of the 2018 National Graduate Research Polymer Conference held in June at the University of Minnesota.
- Strong programming continued at the Fall 2018 ACS Boston National Meeting with the "Industrial Innovations in Polymer Science (IIPS)" symposium chaired by Scott Eastman (United Technologies) and Michael Hunt (MPD Chemicals), and support of the "Polymer Science of Everyday Things" symposium chaired by Dana Garcia (Arkema) and Danniebelle Haase (Dow).
- The IAB hosted its biannual networking reception at Legal Harborside during the ACS Boston meeting.
- Three IAB members will receive support to attend a POLY workshop.

Planning and development is in progress for 2019. The 13th IIPS symposium will be held at the Spring 2019 ACS National Meeting, co-organized by Hayley Brown (Dow) and Brad Rodier (Rochal). It will offer talks on Chemistry for New Frontiers. IAB will support the Spring POLY Graduate and Undergraduate symposia, Student Travel Awards, POLY workshop raffle, and the Young Industrial Polymer Science Award (*Deadline: October 31, 2018 - Presented: Fall 2019*).

We are sad to report **Robert S. Moore** passed away May 26, 2018. In addition to his many POLY contributions, he served as POLY Industrial Sponsors (*now POLY IAB*) Chair from 2001-2010. His foundational development of the industrial program is greatly appreciated and will always be remembered (*obituary page 5*).

As always, I thank the industrial members for their active participation and encourage you to reach out to Vice Chair, Corinne Lipscomb (3M, celipscomb@mmm.com) or me. I look forward to the participation of each of our members, sharing updates, and gleaning even more ideas for keeping POLY relevant for its industrial members.

**IAB Chair: Michael Hunt (MPD Chemicals)**  
 mhunt@mpdchemicals.com

## CONGRATULATIONS!

### IPS Award



**2018 Industrial Polymer Scientist Awardee - Qinghuang Lin (IBM)**

### Graduate Student Travel Awards



**Fall Graduate Travel Awardees:**  
 Jiazhen Chen, Northwestern Univ.  
 Sahar Qavi, New Mexico State Univ.





# Just the Facts

## EcoSEC® High Temperature GPC System

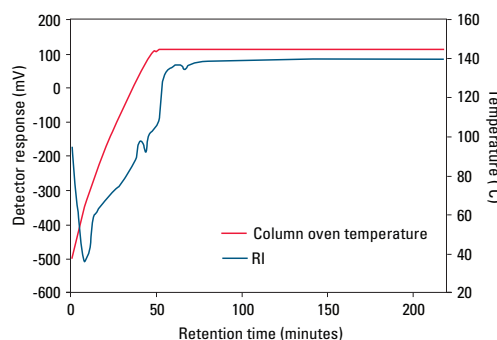
### Reliability and stability achieved at high temperature!

- Fully integrated and heated system to avoid cold spots and sample precipitation
- Heated solvent holder to prevent possible solvent freezing
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- Optional sample prep system up to 250 °C



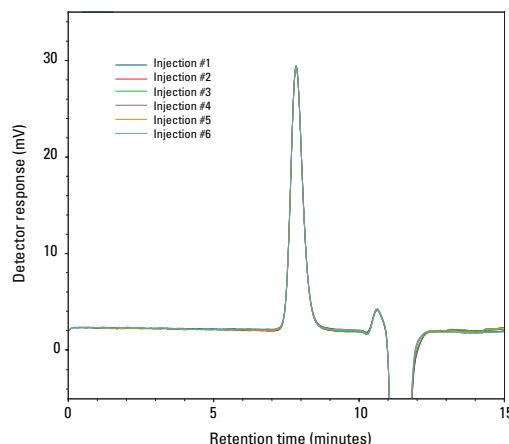
### Baseline stability and fast system equilibration

- Dual flow temperature controlled RI for minimum baseline noise and drift with all solvents
- System startup and equilibration within 90 minutes



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## Workshop Information

**CHAIR: H.N. Cheng, USDA**  
hnycheng100@gmail.com

Workshop Proposals  
[www.polyacs.net/workshopshub.htm](http://www.polyacs.net/workshopshub.htm)  
or contact:  
Lesia Linkous Pristas, Lesiar@vt.edu

### SILICON-CONTAINING POLYMERS AND COMPOSITES

**December 16 - 19, 2018**

Omni Hotel, San Diego, CA

J. Mabry (AFRL) and S. Iacono (USAFA)

### POLYMERS FOR FUEL CELLS, ENERGY STORAGE, AND CONVERSION

**February 24 - 27, 2019**

Asilomar Conf. Gr., Pacific Grove, CA

B. Benicewicz (Univ South Carolina), M. Hickner (PENN State), and T. Zawodzinski (Univ. Tennessee-Knoxville )

### POLYMER COMPOSITES AND HIGH PERFORMANCE MATERIALS

**July 22 - 25, 2019**

Doubletree, Rohnert Park, CA

S. Morgan (Univ Southern Mississippi), D. Savin (Univ. Florida), M. A. Meador (NASA Glenn Research Center), M. Meador (NASA Game Changing Technology), J. Gilman (NIST), F. Phelan, Jr. (NIST), and A. Joy (Univ. Akron)

### ADVANCES IN POLYOLEFINS

**September 22-25, 2019**

Doubletree, Rohnert Park, CA

R. Register (Princeton Univ.), K. Wagener (Univ. Florida), P. Arjunan (Eureka-GlobChem Consultants), J. Klosin (The Dow Chemical Company), and J. Soares (Univ. Alberta Canada)

### NEXT GENERATION SMART MATERIALS

**December 15-18, 2019**

The Desoto Hotel, Savannah, GA

E. Berda (Univ. New Hampshire), Y. Simon (Univ. Southern Mississippi), J. Foster (Virginia Tech), M. Thuo (Iowa State Univ.), and L. Deravi (Northeastern Univ.)

### LAYERED POLYMERIC SYSTEMS

**February/March 2020**

Pacific Grove, CA

J. Grunlan (Texas A&M) and S. Nazarenko (Univ. of Southern Mississippi)





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## POLY POSTER AWARD

- Established to increase the importance and visibility of POLY posters presented at ACS National Meetings.
- Goal: Acknowledge high-quality research.
- 35 POLY Posters were reviewed during Fall Sci-Mix poster session.
- Poster participants are judged on the quality and the impact of their research, clarity of poster's design, and presentation and communication skills.

### Enter the POLY Outstanding Poster Competition!

To be eligible for the award, candidates MUST choose "Consider for Sci-Mix" during their abstract submission for the ACS Meeting. The Sci-Mix Poster Session, is typically held on Monday evening at 8:00 PM with posters contributed by each participating division.

### Congratulations Fall Awardees



#### **Claire Armstrong, University of Liverpool**

306: Co-nanoprecipitation of branched vinyl polymers and block co-polymers for encapsulation and delivery of poorly water soluble molecules

#### **Anjeza Beharaj, Boston University**

430: Poly(alkyl glycidate carbonate)s as degradable poly(alkyl acrylates) analogues

#### **Jeffrey Allan Kehl, Boston College**

331: Utilizing chemoselective, redox-switchable iron-based catalysts for the synthesis of branched PLA

#### **Harry L van der Laan, University of Michigan**

356: Hexaarylbiimidazoles as efficient photoinhibitors of radical-mediated chain growth photopolymerizations

Sponsored by  
Cambridge University Press &  
MRS Communications Journal

## POLY VIDEO AWARD

Amal Abdulrahman, Clark Atlanta University, is the winner of the 2018 Video Award. Abdulrahman's video summarizes the main concepts of pseudopolyrotaxanes and polyrotaxanes formations as polymeric drug carriers. In addition to receiving a certificate and \$250 prize, the winning video was shown during the ACS National Meeting in Boston, MA and is posted online.

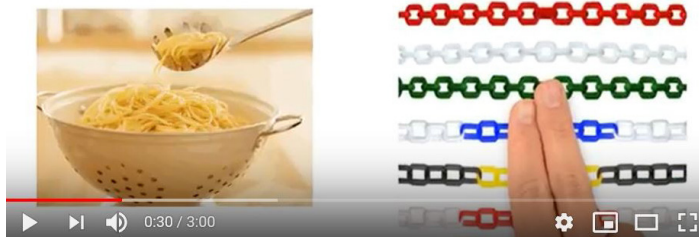
The purpose of this award is to prepare young chemists to present their research and interact with a broad range of audiences, including not only senior scientists, but also, the general public. To be eligible, current PhD students or post docs should submit a three-minute video describing their research to a non-technical person. The next award deadline will be July 2019. For further details, visit the POLY web page, at POLYACS.ORG under "AWARDS".

### Congratulations!

#### **Amal Abdulrahman, Clark Atlanta University**



### Drug Delivery Systems in Chemistry



<https://www.youtube.com/watch?v=CLWHVQ0ZVhg&t=83s>



# Simple and fast GPC Polyolefin analysis for QC

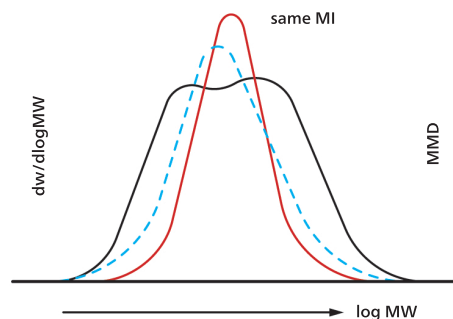
One sample can be analyzed  
every 30 minutes including  
dissolution.

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Innovative  
Thinking



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## 257th ACS National Meeting (Spring)

**ABSTRACT DEADLINE - November 5, 2018**

**March 31-April 4, 2019, Orlando, FL**

**ACS Theme: Chemistry for New Frontiers**

**Lead Program Chair: Brett Helms, L. B. National Lab** (bahelms@lbl.gov)

- ACS Award for Affordable Green Chemistry in Honor of Richard Gross
- ACS Award in Polymer Chemistry in Honor of Tim Swager
- ACS Award in the Chemistry of Materials in Honor of Krzysztof Matyjaszewski
- Carl S. Marvel Award for Creative Polymer Chemistry Award in Honor of Matt Becker
- Antimicrobial & Cell-Penetrating Peptides
- Dispersity in Block Copolymers: Synthesis, Characterization, Modeling & the Effects on Self-Assembly
- Excellence in Graduate Polymer Research
- General Topics: New Synthesis & Characterization of Polymers
- Industrial Innovations in Polymer Science (Oral)
- New Frontiers in Aerospace Polymers: Advances & Challenges in Experiments & Simulations
- Poly(2-oxazoline)s & Polypeptoids
- Polymer Bioconjugates for a Changing World
- Polymer-Based Gene & Drug Delivery Systems
- Polymers & Biomimicry
- Synthesis & Properties of Densely Grafted Polymers
- The Fate of Plastics in Water
- Transport in Polymer Membranes
- Undergraduate Research in Polymer Science



**Congratulation!**  
**Hayley Brown (Dow)**  
**for being selected as new**  
**POLY Program Chair. A**  
**Program Program Chair**  
**serves a three-year term**  
**organizing POLY sessions at**  
**ACS National Meetings.**

**A POLY oral and poster**  
**abstract should include title,**  
**authors, affiliations, abstract**  
**text, and key figure. Required**  
**word count is 150 and 250**  
**words (figure is equal to 70**  
**words).**

## 258th ACS National Meeting (Fall)

**August 25-29, 2019 San Diego, CA**

**ACS Theme: Chemistry and Water**

**Lead Program Chair: T. Epps, III** (thepps@udel.edu)

- Biomacromolecules/Macromolecules Young Investigator Award
- DSM Graduate Student Award
- Eco-Friendly Polymerization
- General Topics: New Synthesis and Characterization of Polymers
- Henkel Outstanding Graduate Research in Polymer Chemistry
- Herman F. Mark Award
- Industrial Innovations in Polymer Science
- Industrial Polymer Young Scientist Award
- Ocean Plastics
- Overberger International Prize
- Paul Flory's "Statistical Mechanics of Chain Molecules": The 50th Anniversary of Polymer Chemistry"
- Polymerization-Induced Nanostructural Transitions
- Polymers for Defense Applications
- Polymers for Water Purification

- **ACS National Meeting:** [www.acs.org/content/acs/en/meetings/national-meeting.html](http://www.acs.org/content/acs/en/meetings/national-meeting.html)
- **POLY Program Info:** <https://polyacs.org/poly-at-national-ac-s-meetings/>
- **POLY Abstracts Collection:** <https://polyacs.org/poly-at-previous-national-ac-s-meetings/>





## POLY COUNCILORS' REPORT

During the ACS Board's executive session, the board voted, among other actions, to approve an advance member registration fee of \$490 for national meetings held in 2019. At the ACS Council meeting, the Committee on Budget & Finance reported that ACS's projected 2018 revenues will reach \$565.1 million, net contribution from operations will reach \$31.8 million, and total expenses will reach \$533.3 million. The council approved a clarification allowing local sections and divisions to affiliate with other technical organizations upon council approval. The council also approved a petition that in part removes a provision barring international chemical sciences chapters from receiving allotments of funds from the society. The council also voted to approve the formation of the Colombia International Chemical Sciences Chapter. ACS 2018 Elections will be open October 1-October 31. All candidates will be notified of the election results on November 2.

### Fall ACS Meeting Highlights

- Attendance: ≈14,500
- Papers Presented: 10,543
- Exhibiting Companies: 301

### Future ACS Meetings

Chemistry for New Frontiers  
March 31 - April 4, 2019  
Orlando, FL

Chemistry and Water  
August 25 - 29, 2019  
San Diego, CA

Macromolecular Chemistry:  
The Second Century  
March 22 - 26, 2020  
Philadelphia, PA

Chemistry from Bench to Market  
August 16 - 20, 2020  
San Francisco, CA

March 21 - 25, 2021  
San Antonio, TX

August 22 - 26, 2021  
Atlanta, GA

March 20 - 24, 2022  
San Diego, CA

August 21 - 25, 2022  
Chicago, IL

March 26 - 30, 2023  
Indianapolis, IN

August 13 - 17, 2023  
San Francisco, CA

March 17 - 21, 2024  
New Orleans, LA

**Division Activities Committee** (Mary Ann Meador): DAC repeated "Division Row", which was designed to help divisions engage and publicize their activities with younger chemists at Sci-Mix by providing divisions a poster space. Sixteen divisions participated, including POLY. The committee voted to fund eleven Innovative Project Grants (IPG) totaling \$73,000. DAC will consider another set of IPG proposals next spring (deadline February 1, 2019). DAC is very interested in increasing the percentage of new ACS members who join at least one division. In recent years, that number has been hovering around 35%. Recent reports show that number is trending closer to 42%. The committee attributes this improvement to 1) staff is making a more concerted effort to promote division membership to new ACS members, and 2) new ACS members can now obtain up to three complimentary, one-year division memberships.

**Committee in Patents and Related Matters** (Joe Mabry): First, in advocacy, CPRM is proud to have spearheaded the effort for ACS to adopt the Intellectual Property Policy Statement on intellectual property, which provides a vehicle for ACS to actively support the continued development of a robust IP system. CPRM collaborates with the United States Patent and Trademark Office (USPTO) in fostering innovation by working to secure volunteer chemical scientists and engineers, both from industry and academia, to participate in the USPTO's Patent Examiner Technical Training Program. We encourage ACS members to volunteer to serve as guest lecturers. CPRM also strives to educate ACS members about IP issues impacting chemistry and ACS members, including patents, trade secrets, copyrights, and technology transfer. Publications and informational materials on these and other topics are available through the ACS website.

Finally, CPRM works to promote recognition of chemistry-related inventors' contributions by recommending that the Board nominate deserving chemical scientists and engineers for external awards, such as the National Inventors Hall of Fame. CPRM also makes recommendations on nominations for the National Women's Hall of Fame and the National Medal of Technology and Innovation. CPRM welcomes suggestions for these important awards.



# POLY

<https://polyacs.org/>



You may have noticed a change to the look of the POLY website in the last few months. On July 9th, a new website design went live, at the same web address **POLYACS.ORG**. The POLY website was started in 1995 by Frank Blum (Oklahoma State)

who then managed the site for 15 years. Christine Coltrain (Kodak) then took over as webmaster and managed the website and saw the expansion of content and member resources, as well as incorporation of social media platforms. Christine was elected Treasurer in 2017 and the website was passed to a new team. After approximately 6 months, the new website was redesigned to address the vast growth of content and resources. Emily Pentzer (Case Western) and Justin Kennemur (Florida State) (*photos above*) led the redesign efforts with approval of the POLY Executive Committee and then-POLY Chair, Marc Hillmyer (Univ. Minnesota). They were soon joined by Prath Kharkar (Acelity) and receive ongoing support from 2018 POLY Chair, Diana Gerbi (3M). The new website has redesigned organization including most of the historical data available in pdf form. The website is updated weekly and also includes a window showing POLY's twitter feed (@POLY\_ACS). This provides web visitors the latest POLY News day-by-day. The previous POLY website will be available through 2019 at "old.polyacs.org" (though it will no longer be updated). All content from the previous website has also been archived. We need your help! Your input will help POLY provide a quality website for future users. To provide feedback, click the "Contact Us" link at the footer of the webpage to submit your suggestions and corrections.

## CONNECTING WITH POLY MEANS CONNECTING WITH YOUR COMMUNITY

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



**POLY E-LIST**

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

**POLY WEB**

[www.polyacs.org](http://www.polyacs.org)

[www.facebook.com/ACSPOLY/](http://www.facebook.com/ACSPOLY/)  
"ACS Division of Polymer Chemistry"



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



[www.linkedin.com](http://www.linkedin.com)  
"Division of Polymer Chemistry"



## TREASURER'S REPORT



The table below is a summary of the 2017 activity, the 2018 approved budget, and the 2018 income and expenditures for POLY as of July 31, 2018. POLY is a non-profit organization and as such, the Executive Committee is challenged to provide excellent services and growing benefits for its members while maintaining a balanced annual budget.

Budget Category	2017 Actual		2018 Budget		2018 Jan-July	
	Income	Expense	Income	Expense	Income	Expense
Dues / ACS Allocations	\$173,632		\$175,500		\$116,263	
National Meetings Activities	\$73,823	\$162,841	\$63,500	\$197,600	\$47,854	\$109,339
Workshop Activities	\$246,366	\$173,730	\$230,200	\$185,200	\$135,126	\$71,914
Administrative	\$99	\$164,952		\$172,200	\$0	\$130,236
Publication / Advertising	\$15,606	\$13,851	\$13,000	\$4,900	\$11,262	\$1,978
Committee / Awards Activities	\$65,241	\$86,686	\$54,100	\$73,000	\$29,500	\$30,920
Cashed Investments / Savings	\$50,000	\$0	\$96,600		\$45,000	
<b>Total Budget</b>	<b>\$624,767</b>	<b>\$602,058</b>	<b>\$632,900</b>	<b>\$632,900</b>	<b>\$385,006</b>	<b>\$344,387</b>

In recent years, it has become challenging to find committed long-term sponsors to support the key POLY awards. After much discussion and consideration, the Executive Committee voted in 2017 to fund its major awards including the Carl Marvel-Creative Polymer Chemistry Award, the Herman F. Mark-Polymer Chemistry Award, the Paul J. Flory-Polymer Education Award, and the Industrial Polymer Science Award through the POLY investment fund. This change took effect starting in 2018 and will be reflected in annual budgets moving forward. POLY investment funds continue to support the budget annually, as needed.

The Executive Committee has recognized that costs continue to escalate; in particular printing and mailing costs have grown significantly over the last 10 years. So as to best serve our membership, POLY continues to look for ways to reduce expenditures. Starting in 2017, election announcement and directions are posted in the Fall Newsletter, which is circulated during the election period, and the reminder post-card mailings have been discontinued. In 2018, publishing of the Newsletter has gone entirely electronic, enabling \$8,000 in yearly cost savings and enhancements in the reading experience. POLY continues to drive towards reducing costs at the National ACS meetings while continuing to provide excellent services for POLY members.

POLY continues to seek sponsors for receptions, coffee sessions, awards including student and poster awards, newsletters, and workshops to help offset growing expenses. Please contact Christine Coltrain, [christine.coltrain@kodak.com](mailto:christine.coltrain@kodak.com), or Kathy Mitchem, [kathyL@vt.edu](mailto:kathyL@vt.edu) for further information about these opportunities.

The 2019 POLY budget will be developed during December 2018 and approved during the POLY Executive Committee Meeting in January 2019. Please submit requests for funding for committee activity, symposium support, and other POLY related activity directed to the POLY Treasurer, Christine Coltrain, [christine.coltrain@kodak.com](mailto:christine.coltrain@kodak.com), by December 1, 2018.

### POLY Sponsor Opportunities

- Poster Awards
- Mark Scholar Awards (Young, Scholar, Senior)
- Newsletter Advertisement
- Workshops
- ACS Meeting Symposia
- Membership Social
- Coffee at ACS Meeting

#### For Further Information:

Christine Coltrain  
[christine.coltrain@kodak.com](mailto:christine.coltrain@kodak.com)  
or  
Kathy Mitchem  
[kathyL@vt.edu](mailto:kathyL@vt.edu)

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## Contact POLY for Advertising Opportunities, Membership Benefits, & More

- Newsletter & E-news Advertising
- Membership Benefits
- Meetings and Other Activities

POLY Business Office, Virginia Tech,  
ICTAS II, M.C. 0917, Blacksburg, VA 24061  
540-231-3029, [KATHYL@VT.EDU](mailto:KATHYL@VT.EDU)



## ACS Division of Polymer Chemistry, Inc. - Executive Committee

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ExComm & Past Chairs Dinner, Fall 2018