



Polymeric Materials: Science and Engineering
Division of the American Chemical Society

Greetings!

Welcome to the 3Q issue of *PMSE News in 2016!* Read on for selected highlights of the Fall 2016 National ACS meeting, meet the latest PMSE award winners, and learn where to find useful resources for career and professional development. These are exciting times at PMSE and several new initiatives are being created.

We strive to bring relevant, timely and useful information right to your desk. We want to hear from you on what else you'd like to see included in these newsletters - please email the [Editor](#) with your feedback.

If images are not displayed in your email client, you could find troubleshooting tips [here](#).

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Chair's Message



Dr. Qinghuang
Lin

Dear PMSE Members and Friends,

Hope that this PMSE Newsletter finds you in a great spirit after your summer break.

I had the pleasure of meeting many of you at the ACS Philadelphia

Quick Links

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Mark your calendar!

April 2-7, 2017: The Spring 2017 [ACS National Meeting](#) will be held from April 2nd to April 7th in San Francisco. Don't forget to check out the [PMSE Young Investigator's Symposium](#) at the San Francisco meeting; more details will follow in the next newsletter.

Oct 31, 2016: Deadline for nominations for Young Industrial Polymer Scientist Award

Oct 4-7: 2016 IUPAC International Conference on Advanced Polymeric Material

Recent/Upcoming Webinars

Chemistry of Life Series

Oct 6: The Chemistry of Life: Treating Cancer with Nanoparticles Powered by the Sound of Light

Nov 3: Chemistry of Life: Instantly Treating Wounds with Hemostatic Gel

[Chemistry of Comfort and Chemistry of Life Series](#)
(ACS Member-Only Content; slides available for download)

National Meeting last month. As always, I particularly enjoyed recruiting and meeting new PMSE members at the PMSE Lounge and other venues at the ACS National Meetings. Thanks to PMSE Meeting General Chair, Melissa Grunlan, the PMSE programming team (Xinqiao Jia, Brad Olsen, Christopher Stafford and Andy Tsou), symposium organizers, authors, attendees and countless volunteers, the PMSE Philadelphia meeting was a great success. I have heard many flattering comments about the relevant symposium topics, the cutting edge research presented, the top notch speakers, and the organization of the PMSE symposia in general. THANK YOU!

I would like to update the state of PMSE in the context of the five (5) Key Performance Indicators introduced last quarter. Overall, the state of PMSE is very strong:

- **Technical programming:** Our Division had a total of 13 symposia and more than 700 submissions at the ACS Philadelphia National Meeting. The number of submissions is the second highest at recent ACS national meetings. Several of the sessions I attended were standing room only, a great indicator of the relevance of the topics and the quality of the speakers/presentations. We also witnessed increased contributions and attendance from our overseas colleagues and friends at the PMSE Philadelphia meeting. The PMSE San Francisco meeting in the Spring 2017 has shaped up to be another great meeting with 16 fantastic symposia (Please insert link and make it hyperlink <http://pmse.sites.acs.org/futureprogramming.htm>). The ACS San Francisco National Meeting abstract submission (Please insert link and make it hyperlink: <https://www.acs.org/content/acs/en/membership-and-networks/td/abstractsubmission/maps-resources.html>) is open. The abstract submission deadline is Monday, October 31, 2016.
- **Finance:** Our Division is fortunate to maintain a record account balance thanks to the stewardship of our Investment Committee, particularly David Chung, and our more prudent physical policy. As a result, PMSE will increase investments in select strategic future growth areas.
- **Membership:** Our Division membership is essentially steady again so far this year after gradual declines over the last several years due to the macro environment. We still have work to do to retain existing members and to recruit new members.
- **Outreach:** Our Division, in close collaboration with POLY, has steadily expanded student chapters and international outreach. At the ACS Philadelphia National Meeting, the PMSE Executive Committee approved a proposal to launch a new joint symposium series with the Brazilian Chemical Society and a new global student award to recognize graduate student research globally.
- **Member Service:** This is an area we need to continue to improve on, particularly services to those members who are not able to attend the ACS National Meetings. I hope you will take advantage of some of the service offerings ACS provides, such as ACS Webinars, Virtual Networking Events, etc. If you have any ideas and suggestions on how to better serve YOU, I would love to hear from you.

As always, I thank you for your continued PMSE membership and for your contributions to PMSE.

Respectfully yours,
Qinghuang Lin

Congratulations to PMSE Members who have been Elected as ACS Fellows!

- top-left: Lisa Saunders Baugh, ExxonMobil Research & Engineering
- top-right: Dean C. Webster, North Dakota State University

The Chemistry of Sight:
Material Innovations in Eye
Care and Contact Lenses

The Chemistry of Power
Free Wearable Sensors:
Smart Polymeric Materials

Future Protective Materials
for First Responders,
Football Players, and
Astronauts: Shear
Thickening Fluids

MRS On-Demand Webinars:

Focus on Sustainability
Webinar Series -Tuesday,
October 4, 2016 | 12-2
p.m. ET
Tuesday, October 11, 2016
| 12-1:30 p.m. ET

2017 Priestley Medal Recipient

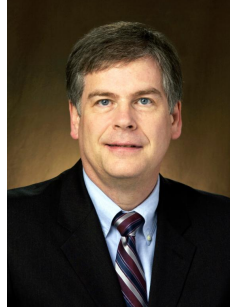
Congratulations to Priestley
medal recipient [Tobin Marks](#)
for pioneering research on
materials and catalysis.
Details to follow in the next
edition.

2017 PMSE Young Investigator's Symposium

The [2017 PMSE Young
Investigator's Symposium](#)
has been chosen as a
recipient of this year's
PMSE Division 2016
Innovative Project Grant
(IPG). This symposium will
be held at the 253rd ACS
National Meeting and
Exposition in April 2017.

The objective of the
Symposium is to create a
signature event
highlighting Young
Investigators who have
excelled in Materials
Research within the first
few years of their careers.
The 2017 Symposium is
co-organized by Luis
Campos (Columbia
University) and Jeannette
Garcia (IBM Research-
Almaden) and will feature
24 international young
scientists from academia,
industry, and National
Labs.

2016 PMSE Fellows



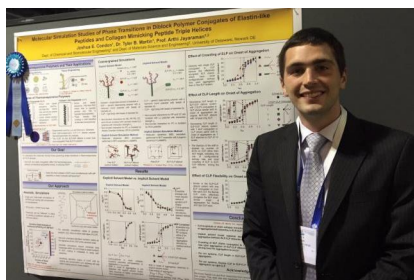
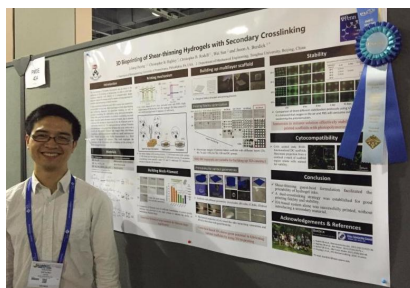
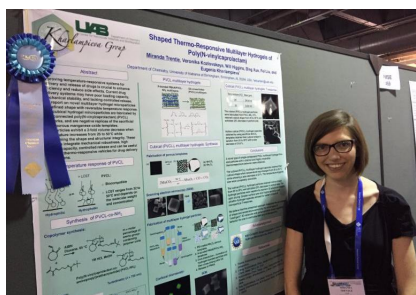
- bottom-left: Christine Landry-Coltrain, Eastman Kodak Company
- bottom-right: Christopher L. Soles, National Institute of Standards & Technology

Congratulations to the recipients of the best poster award

Top Left: PMSE 378: Molecular simulation studies of phase transitions in diblock polymer conjugates of elastin-like peptides and collagen mimicking peptide triple helices. **Joshua Condon**, University of Delaware

Top right: PMSE 434: 3D printing of shear-thinning hyaluronic acid hydrogels with secondary crosslinking. **Liliang Ouyang**, University of Pennsylvania,

Bottom: PMSE 468: Shaped thermo-responsive multilayer hydrogels of poly(N-vinylcaprolactam). **Miranda Trentle**, University of Alabama



A look back at the PMSE Programming In Philly, 2016

The American Chemical Society Division of Polymeric Materials: Science and Engineering (PMSE) has selected a new class of PMSE Fellows for 2016. The following distinguished PMSE members have been chosen:

- Antonio Facchetti
- Jung-Il Jin
- Shiro Kobayashi
- Karen I. Winey

[Click here for more details](#)

Young Industrial Polymer Scientist Award

The inaugural Young Industrial Polymer Scientist Award sponsored by the Division of Polymer Chemistry Industrial Advisory Board (POLY IAB) will be presented at the Fall 2017 ACS Meeting in Washington, D.C. Please click [here](#) for details.

Spring 2016 Meeting Lecture Recordings

ACS Member Communities is pleased to announce the release of select [Polymeric Materials Science & Engineering \(PMSE\)](#) lecture recordings from the [San Diego 2016 National Meeting](#) through ACS Presentations on Demand.

Note: This is member-only content.

2017 Distinguished Service Award Winner

Congratulations to [Charles E. Carraher](#) of Florida Atlantic University!



key themes

- Bioderived & Bioinspired Polymers
- Porous Polymers
- Fire & Polymers
- Oligomers & Polymers with Precisely Designed Microstructures: Synthesis, Properties & Applications
- Polymers Designed for 3D Printing Applications: Evaluation of the Fundamental & Applied Aspects of the Field
- Polymer & Polymer Hybrid Electronics & Biosensor

Click here to read the meeting preface from our [Vice Chair](#), Melissa Grunlan.

ACS eBooks Initiative

"Spanning the gap between discoveries published in patents and journals, the peer-reviewed eBooks of the ACS contain essential research by the world's leading scientists spanning all disciplines and applications. The eBooks consist of the ACS Symposium Series and the Advances in Chemistry series."

Please click [here](#) for details on access, subscriptions and information for authors and editors.

Professor Carraher is a prolific author of both peer-review journal papers (over 1,100) and books (over 75), the holder of the first patent for the chemical synthesis of nucleic acids (US Pat. 3,491,061) and is a highly visible presenter (along with many students he brings with him) at ACS meetings.

We want to hear from you!

Are you part of a PMSE student chapter? Share news of your chapter's activities with the PMSE community!

[Contact us](#) with a writeup.

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