



Q1 2018

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

Dear Melissa,

Welcome to the last issue of *PMSENews in 2017!* Read on for a preview of PMSE sessions at the Spring 2018 National ACS meeting, meet the latest PMSE award winners, and learn where to find useful resources for career and professional development.

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.

Have a happy and safe holiday!

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Why Join PMSE?

Please take a moment to view this short video.

Mark your calendar!

The [Spring ACS National Meeting](#) will be held in New Orleans from March 18-22

World Polymer Congress will host Macro18 during July 1-5 in Cairns, Australia. This conference covers topics on polymer science and engineering. [Click here](#) for more details.

The 2018 PMSE Future Faculty Symposium will be held at the Boston Meeting. [Click here](#) for details.

PMSE has a new look!

Have you checked out the new PMSE website?

Have you renewed your PMSE Membership?

You can renew your PMSE membership [online](#).

If you will be new member to PMSE, the first year is free.

You can also join PMSE during ACS National Meetings. A table will be located near the symposia where you can sign up for membership.

2019 Coop Award: Call for Nominations



Melissa A. Grunlan

Fellow members of PMSE,

I would like to introduce myself as your 2018 Chair of the ACS Division of Polymeric Materials: Science & Engineering. I'm excited to serve in this role and be part of a fantastic team of other volunteers, including our officers, councilors and committee members. Together, we will continue to serve our community of polymer scientists and engineers and represent their interests to ACS. The PMSE Division was established in 1924 and has a legacy of service to its members; we will continue this mission together.

Currently, I am Professor and Holder of the Charles H. and Bettye Barclay Professorship in Engineering at Texas A&M University (College Station, TX) with appointments in Biomedical Engineering, Materials Science & Engineering and Chemistry. Since joining the faculty in 2005, I have led a research group that is focused on developing polymeric biomaterial platforms for medical devices having resistance to biological adhesion and for scaffolds useful in regenerative engineering. I have previously served PMSE in range of roles: member-at-large ('13-'14), Secretary ('14-'15), Vice Chair & Programming Chair ('16) and Chair-Elect ('17). I have also co-organized several national meeting PMSE symposia. So, I feel very "at home" with PMSE and am excited for this new role as Chair.

While PMSE's history is deep, we are an organization that is committed to finding new ways to increase our service to our

Nominations are invited for the Division of Polymeric Materials: Science and Engineering's Cooperative Research Award in Polymer Science and Engineering Sponsored by the Eastman Kodak Company. The nominee(s) for this award must have a documented record (patents, publications, etc.) of sustained, intensive cooperative and collaborative research across the university/industry or national laboratory/industry interface.

Nominations for the 2019 award will be accepted until August 15, 2018. Please send nomination materials in PDF format to Sadhan C. Jana, Department of Polymer Engineering, University of Akron, OH 44325-0301, janas@uakron.edu.

Congratulations to the 2018 Class of PMSE Fellows!

- Brian Benicewicz
- Jay Dias
- Chris Stafford
- Shu Yang

They will be inducted as the seventeenth class of PMSE Fellows at the New Orleans ACS Meeting during the joint PMSE/POLY Awards Reception.

[Click here](#) for more details.

Quick Links

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[PMSE Facebook Page](#)

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.

members. In a time when memberships in professional societies are generally on the decline, the PMSE leadership team is actively looking for ways to enhance to the professional careers of our members and the global vitality of the polymer science and engineering community. This passion is reflected in our mission, vision, and core strengths:

MISSION

To provide a polymer-based forum for the exchange of technical information and foster interactions in materials science and engineering.

VISION

A community of polymer scientists and engineers equipped to solve global challenges.

CORE STRENGTHS

- Adaptive technical programming at the cutting-edge of polymer science and engineering
- Access to global network of experts in polymer science and engineering
- Dedication to the career development of all members

I would like to take moment to personally thank our past chair, Dr. Christopher Soles, for his dedicated service as your 2017 Chair. Chris was instrumental in bringing forth new benefits to our members in 2017. Through his efforts, our PMSE committee members, volunteers and with partnerships with other organizations, we have been recently able to provide some new benefits to our members. A few of these include:

New PMSE Website:

- <https://pmsedivision.org/>.
- (Note: The former website will be retained as an archive.)
- Contains news about our members, awards,

meeting information,
resources and more.

- Joining or renewing your PMSE membership. We encourage you to keep your PMSE membership current - there is strength in numbers.

PMSE/POLY Student Chapters:

- Chapters have been established at Case Western Reserve University, University of Minnesota (Twin Cities), University of Florida, University of South Carolina, University of Michigan and University of Southern Mississippi.
- We hope to see more student chapters in 2018!

New Recognition for Student Members:

- PMSE Global Outstanding Student Award in Polymer Science & Engineering: This award is supported by Chemical Marketing & Economics Topical Group of the ACS's New York Section (CME) along with a company partner and recognizes outstanding students from around the world.
- We continue to recognize our student members through various awards, including: Best Poster Awards, Graduate Student Travel Award, Eastman Chemical Student Award, and Henkel Award for Outstanding Graduate Research in Polymer Chemistry.

New Recognition for Professional Members:

- PMSE Young Investigators: The 2017 PMSE Young Investigator Symposium, awarded the Innovative Project Grant, was held at the Spring National ACS Meeting. The 2017 Symposium was co-organized by Luis Campos (Columbia University) and Jeannette Garcia (IBM Research - Almaden)

featured 24 international young scientists from academia, industry, and National Labs. The PMSE Young Investigator Committee (Campos and Garcia) will continue to lead annual efforts to recognize and support our young investigators.

- 'Chemistry of Materials' Lectureship and Best Paper Award: This award is sponsored by the ACS journal Chemistry of Materials, in collaboration with the PMSE and Inorganic Chemistry Divisions. It recognizes the collaborative efforts of authors of an article published in the journal that year.
- 'Bioconjugate Chemistry' Lectureship Award: This award is sponsored by the ACS journal Bioconjugate Chemistry. It recognizes outstanding researcher for important recent advances in interfacing synthetic and biological systems.
- We continue to recognize our professional members through various awards, including: Arthur K. Doolittle Award, Cooperative Research Award, Distinguished Service Award, Journal of Polymer Science Award and Roy W. Tess Award. We also continue to have a new class of PMSE Fellows each year and also nominate individuals for consideration of ACS Fellow.

Robust Programming:

- We have a great schedule of PMSE symposia lined up for national meetings: Spring in New Orleans (22 symposia!) and Fall in Boston (22 symposia!). We are proud to co-sponsor other divisional symposia as well.
- In 2017, we were please to build our connections to groups in other parts of the world with the annual

Joint Symposium on Frontiers in Polymer Science & Engineering with the Chinese Chemical Society Polymer Division (ACS-PMSE/CCS-PD) (held in China in 2017), Biomaterials Science and Translational Medicine symposium (held at the ACS national meeting in Washington, DC and co-sponsored by the Chinese Association of Biomaterials), and the Pan-American Polymer Science Conference with ACS Brazil Chapter (held in Brazil in 2017).

If you would like to propose a PMSE symposium for a national ACS meeting, please contact our Technical Programming Committee. The diversity of our committee members - from industry, academia and government - reflect that of our members and their interests. We encourage individuals from all sectors, including our foreign members, to organize PMSE symposia. PMSE is committed to making this a comfortable process by providing administrative help as well as financial support for selected symposia. From personal experience and feedback from fellow organizers, it is a rewarding experience!

The 2018 PMSE Technical Programming Committee members are:

- Chad Snyder (NIST) chad.snyder@nist.gov
- Brad Olsen (MIT) bdolsen@mit.edu
- Xinqiao Jia (University of Delaware) xjia@udel.edu
- Alexander Norman (Exxon Mobil) alexander.norman@exxonmobil.com

PMSE is always interested in cultivating the next generation of leadership to move our Division forward. If you are interested in participating in our efforts and get involved, please do not hesitate to contact me or a member of our team. We would love to hear from you.

Finally, the PMSE leadership is passionate and dedicated to the service of our members. We welcome positive feedback and suggestions for improvement! As your 2018 Chair, I welcome you

to contact me directly
(mgrunlan@tamu.edu; 979-845-
2406) if you have suggestions on
how we can better achieve our
mission.

Sincerely,

Melissa A. Grunlan

Spring Meeting Symposia Highlights

Here is a look at some awards,
open and co-sponsored symposia.

For more details, please visit
[our website](#).

Advances in Macromolecular
Science & Engineering:
Symposium in honor of David
Schiraldi

Cooperative Research Award:
Symposium in honor of D. Bruce
Chase & John F. Rabolt

ACS Award in Applied Polymer
Science: Symposium in honor
Paula T. Hammond

ACS Award in Polymer Chemistry:
Symposium in honor C. Grant
Willson

ACS Award in the Chemistry of
Materials: Symposium in honor of
Elsa Reichmanis

Additive Manufacturing of
Structures and Functional
Devices: Materials, Methods,
Models, and Testing

Clay-Polymer Composites:
Nanoclays & Other Natural
Nanoparticles

Cyclic & Topologically Complex
Polymers

PMSE-North American Membrane Society (NAMS) Joint Symposium on Surface Science of Membranes for Advanced Separations

Polymers with Complex Architecture: From Synthesis to Self-Assembly

Symposium for Pan-American Polymer Science

Synergy between Computation and Experiment in Accelerated Materials Discovery

Third International Symposium on Polybenzoxazines: Towards Diamond Jubilee of Benzoxazine Chemistry

Nonlinear Dynamical Approaches to Synthesis of Polymeric Materials

Symposium for Pan-American Polymer Science

Supramolecular Crosslink Dynamics and Polymer Materials Mechanics

Congratulations to the 2018 ACS Fellows from PMSE!

From left to right: Prof. Julie Jessop, Prof. Sergio Granados-Focil and Dr. Timothy Bunning





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