



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

Greetings!

Welcome to the 1Q issue of *PMSENews in 2017!* Read on for a preview of PMSE sessions at the Spring 2017 National ACS meeting, meet the latest PMSE award winners, and learn where to find useful resources for career and professional development.

The 253rd ACS National Meeting will be held at San Francisco from April 2-6 with the theme "Advanced Materials, Technologies, Systems & Processes". Don't forget to stop by at the PMSE desk located at the Moscone Center. The PMSE Membership desk will feature posters of our award winners, a small display of books derived from recent PMSE symposia, and a coffee lounge area.

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.

In This Issue

Chair's Message

In Memory of Dr. Leslie Sperling

Mark your calendar

Message from Christopher Soles, 2017 PMSE Chair



Fellow members of PMSE,

I am humbled to introduce myself as your 2017 Chair of the PMSE Division. It is my privilege to serve as the next leader of this storied Division of the American Chemical Society. You might not realize this, but in 2024 our Division will celebrate our 100th anniversary! That's a century of polymer science and engineering!

My day job is in the Materials Science and Engineering Division at the National Institute of Standards and Technology in Gaithersburg Maryland where I lead our Functional Polymers Group. I have worked at NIST for

Quick Links

[PMSE Home](#)

[Follow PMSE on Twitter](#)

[PMSE LinkedIn Group](#)

[PMSE Facebook Page](#)

Mark your calendar!

The Fall ACS National Meeting will be held in Washington D.C. with the theme "Chemistry's Impact on the Global Economy". Access relevant deadlines [here](#).

Don't forget to check out the [PMSE Young Investigator's Symposium](#), which will feature 24 young scientists from academia, industry and national laboratories.

Upcoming ACS Webinars

[Sustainability Challenges of the Textiles, Dyeing and Finishing Industries: Opportunities for Innovation](#): Mar 40

[The Good, The Bad and the Uncertain: Public Perception of the Chemical Enterprise](#): Apr 13

Interested in checking out videos of past ACS webinars? [Click here](#).

DO you want to catch-up on the 2016 Material Science Series? [Click here](#).

Nominations Sought

19 years where our mission is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. This places my own research at the interface between the academic and industrial research communities, a vantage point that is well situated to represent the diversity in PMSE's membership. I have served PMSE in a range of capacities, including 3 years as a Technical Program Chair, 2 years as Treasurer, one year as Chair-Elect, one year as Vice Chair, and in 2017 am proud to be your Chair.

I am passionate about the health of PMSE and committed to increasing the level of service that we provide our members. Members service is a topic that we here in the PMSE leadership team discuss frequently. In a time when memberships in professional societies are generally on the decline, the PMSE leadership team is actively searching for ways to enhance to the professional careers of our members and the global health 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

The PMSE leadership team is passionate and dedicated about providing this service to our members. But we cannot do this unless we hear from you. As your 2017 Chair, I welcome you to contact me directly (csoles@nist.gov; 301-975-8087) if you have suggestions on how we can better achieve our mission. To serve our members, we need feedback on how we are doing.

As I transition into this role, I would like to take moment to personally thank our past chair, Dr. Qinghuang Lin from IBM, for his tireless service as your 2016 Chair. Dr. Lin was personally responsible for several key initiatives that have significantly impacted on the PMSE Community worldwide. Some of his key initiatives include:

- Joint programming and scientific exchanges between the Chinese Academies of Science and PMSE
- Establishment of the Chemistry of Materials Outstanding Paper Award in collaboration with the Inorganic Chemistry Division
- Establishment of the CME International Graduate Student Award in collaboration with the ACS New York Section

These are tangible, long-standing developments that directly enhance our members. We all owe a debt of gratitude to Dr. Lin for his dedication and perseverance.

Here at PMSE we are always interested in cultivating the next generation of leadership to move our Division forward into the next century. If you are interested in volunteering or getting involved, please do not hesitate to contact me. We would love to hear from you.

One of the greatest benefits that we provide our members is up-to-date, dynamic, and flexible programming at the ACS National Meetings every Spring and Fall. Our technical program chairs encourage you to contact them directly with ideas for future symposia. For 2017 our Technical Program Chairs are:

for the 2018 Roy W. Tess Award in Coatings

It is with pride and pleasure that the American Chemical Society's Division of Polymeric Materials: Science and Engineering (PMSE) seeks nominations for the 2018 Roy W. Tess Award in Coatings. This major award recognizes outstanding individual achievements and noteworthy contributions to coatings science, technology, and engineering.

All finalized nominations for the 2018 Tess Award should be submitted prior to **September 1, 2017**.

For more information please contact Theodore Provder at 440-914-0611 or at tprovder@att.net

2017 Cooperative Research Award

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. It is given to recognize and encourage sustained cooperative research between industrial and academic or industrial and national laboratory scientists. Nominations will be accepted until **August 15, 2017**. [Click here](#) for more information.

Chemistry of Materials Lectureship and Best Paper Award

Chemistry of Materials will host its inaugural Chemistry of Material Lectureship and Best Paper Award. This award will honor the authors of one article published in an issue of Chemistry of Materials in the year preceding the nomination

Dr. Chad Snyder, NIST, char.snyder@nist.gov
Prof. Brad Olsen, MIT, bdolsen@mit.edu
Prof. Xinqiao Jia, U Delaware, xjia@udel.edu
Dr. Alexander Norman, Exxon Mobil, alexander.norman@exxonmobil.com

Here at PMSE we are committed to have a balance in our Technical Program Chairs with representation from industry, academia, and government. We strongly encourage our members to submit ideas for future symposia from all three of these sectors. Diversity is key to a healthy society. We also strongly encourage our foreign members to consider submitting ideas for symposia. This is an underrepresented aspect of our programming that we would like to address. If you have never organized a symposium for PMSE, I would strongly recommend it. It can be a very rewarding experience. And having personally organized symposia for several of our sister societies, I can personally attest that support infrastructure in PMSE is unmatched. We are here to make your job easy. I highly recommend giving it a try. Just contact any of the Technical Program Chairs above with your ideas and we can get the ball rolling.

To see what PMSE symposia are currently on the docket, check out our future programming link. PMSE typically likes to support approximately 10 to 12 technical symposia per National Meeting.

Congratulations to the 2017 Class of PMSE Fellows!

The three new members for 2017 are:

Matthew Becker - University of Akron

"For outstanding contributions to the field of polymer organic chemistry and the development of novel polymeric materials for regenerative medicine"

Heather Maynard - California NanoSystems Institute

"For outstanding contributions to the synthesis of biohybrid polymeric materials and their applications in medicine and biotechnology"

Marek Urban - Clemson University

"For many advances in polymer science and technology, highlighted by innovations in self-healing and anti-microbial materials; for contributions to PMSE"



Heather Maynard



Marek Urban



Matthew Becker

The PMSE Fellow Program was started in 2000 to honor PMSE Members for scientific and technological contributions to polymer material science and engineering. To date, 93 fellows have been inducted.

This email is being sent to you as you are a member of the ACS Polymeric Materials: Science and Engineering division. If you do not wish to receive these newsletters, please use the link below to unsubscribe.

deadline and will go to an article of outstanding influence in the field of materials chemistry as a whole. It will recognize the fact that research is a team endeavor and celebrate the importance of co-authors and their contributions.

The inaugural lectureship will take place at the 2017 Fall ACS National Meeting in Washington, D.C., August 20-24, 2017, and will be hosted by the ACS Division of Inorganic Chemistry. The symposium will be hosted alternately by the ACS Division of Inorganic Chemistry and the ACS Division of Polymeric Materials: Science and Engineering.

[Click here](#) for details.

Industry-Academic Networking and Collaboration

Did you know that ACS has an Industry Member Program? Visit the website to for science and business news, networking opportunities or for professional development.

ACS Industry Member Programs has launched the Network & Learn program to provide industry members with an opportunity to network with others in their local section or local industry community. As part of the program, ACS provides a video on an industry-relevant topic that can serve as a centerpiece for networking events. ACS also provides promotional and support materials.

Members provide the space and invite guests from the local business community. In the first video, consultants tackle questions about the Environmental Protection Agency. [Click here](#) to learn more. To view the C&EN article, [click here](#).

**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.