



DIVISION OF POLYMERIC MATERIALS: SCIENCE & ENGINEERING

Preface

258rd ACS National Meeting
August 25-29, 2019
San Diego, CA



Timothy Bunning
Vice-Chair

Location & Theme: The 258rd National Meeting of the American Chemical Society (ACS) will run from Sunday, August 25 to Thursday, August 29 in San Diego, CA. The theme of this meeting is “**Chemistry and Water.**” PMSE will hold **all oral symposia at the Manchester Grand Hyatt** although the PMSE/POLY Poster Session will be held in the convention center.

PMSE Desk and Lounge: Please stop by the PMSE desk and lounge area located at the Promenade Foyer of the Manchester Grand Hyatt. This is conveniently located near many PMSE symposia. We will be periodically providing hot beverages. This is a great place to meet up with colleagues and renew your PMSE membership!

Programming: The ACS Division of Polymeric Materials: Science and Engineering (PMSE) expresses our thanks to your Technical Program Co-chairs (Chad R. Snyder - NIST, Jennifer Schaefer – U. Notre Dame, and Adam Burns – ExxonMobil Research and Engineering) for putting together an exciting set of

technical symposia. These symposia span the range of innovative and interdisciplinary topics at the forefront of polymer science and engineering. We also owe a debt of gratitude to the symposium organizers for their time and dedication in putting together individual sessions. Finally, we must give a big “thank you” to the organizations which generously supported individual symposia.

The PMSE program at the ACS Fall National Meeting in San Diego features 15 symposia consisting of 63 sessions and over 530 papers. This is a notably high number of papers and reflects the excitement for the symposia topics and the vibrancy of our discipline. PMSE is proud to serve as a home for this technical programming.

Kavli Foundation Lecture Series: Once again, this series will feature two exciting lectures starting at 4:00 pm on Monday August 26 (Ballroom 6A/B, Convention Center):

- **Prof. Thomas Markland**, Stanford University
The Kavli Foundation Emerging Leader in Chemistry Lecture, “*Harnessing the quantum mechanics of the hydrogen bond: From atmospheric science to enzyme catalysis*”
- **Prof. Frances Arnold - Nobel Laureate**, California Institute of Technology
The Fred Kavli Innovations in Chemistry Lecture, “*Innovation by evolution: Bringing new chemistry to life*”



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PMSE Symposia and Events: The PMSE Technical Program Co-chairs and symposia organizers have assembled a diverse set of symposia, including several award and co-sponsored symposia that include:

- Advances in Bioconjugate Materials for Biomedical Applications
- Bioconjugate Chemistry Lectureship and Award Symposium
- Continuous-flow Chemistry in Polymer Science
- Design, Synthesis and Engineering of Polypeptides for biological and Biomedical Applications
- Eastman Chemical Student Award in Applied Polymer Science
- Emulsification and Encapsulation by Soft Matter Techniques. CO-SPONSORED WITH POLY
- General Papers/New Concepts in Polymeric Materials
- Innovations in Drug Delivery Systems: Recent Breakthroughs and New Approaches in Formulation, Drug Delivery Mechanisms, and Advanced Delivery Systems
- Journal of Polymer Science Innovation Award: Symposium in Honor of Patricia Dankers. CO-SPONSORED WITH WCC
- Novel Polymeric Materials and Polymer-Based Processes for Energy-Efficient Treatment of Water and Resource Recovery. CO-SPONSORED WITH ENVR
- PMSE Future Faculty
- PMSE/POLY Poster Session
- PMSE Young Investigator Symposium
- PMSE/POLY Plenary Lecture (Benny Freeman) and Awards Reception. CO-SPONSORED WITH POLY
- Polymer Science and Engineering in Microelectronics
- Roy W. Tess Award: Symposium in Honor of Raymond H. Fernando
- Toughening of Networks and Gels through Molecular Design
- Unique and Complex Polymer Architectures.

Poster Session: On Tuesday (August 27, 5:00 – 7:00 pm – Convention Center, Exhibit Hall B), we will continue to sponsor a joint poster session between the PMSE and POLY divisions. PMSE will recognize outstanding research presented at the poster sessions with Outstanding Poster Awards which will be on display at the Wednesday evening awards reception.

PMSE/POLY Plenary Lecture & Award Reception: On Wednesday (August 28, 5:30 – 8:00 pm, Manchester Grand Hyatt, Harbor A-E), we will hold the plenary lecture and award reception. The lecture will be provided by:

- **Prof. Benny Freeman (U. Texas)** “Ion solubility, diffusivity, and transport in charged polymer membranes

Everyone is encouraged to attend this reception to hear Prof. Freeman’s talk as well as to recognize the many PMSE and POLY award recipients. The PMSE awardees include:

- **ACS Fellows**
Melissa Grunlan, Kevin Cavicchi, Frieder Jaekle, Hilmar Koerner, Bradley Olsen, Coleen Pugh
- **PECASE Award Winners from PMSE**
Edwin Chan – NIST (through DoC)
Luis Campos – Columbia (through NSF)
Darren Lipomi – UCSD (through DHHS)
- **Bioconjugate Chemistry Lectureship Award**
Heather Maynard
- **Distinguished Service Award**
David Chung
- **Journal of Polymer Science Innovation Award**
Patricia Dankers
- **Roy W. Tess Award**
Raymond H. Fernando

For PMSE members who are unable to attend the ACS national meeting, selected presentations are available at the ACS website after each meeting at <http://presentations.acs.org>.



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PMSE will continue to develop meeting programming on emerging fields of polymeric materials including biomaterials, coatings & composites, polymer physics, smart polymers, advanced functional polymeric materials, etc. Please contact Matt Becker or the Programming Committee if you are interested in organizing a PMSE symposium.

Wish PMSE luck!!!! The division has been selected as a finalist for the following ChemLuminary Award:

- Outstanding Local Section-Technical Division Collaboration

Winners will be announced and the presentation of awards will occur at the ACS Fall 2019 National Meeting & Expo in San Diego, CA on **Tuesday, August 27, at the Manchester Grand Hyatt San Diego.**

As always, we thank you for your continued PMSE membership and for your contributions to PMSE programming. I hope to see you in San Diego!

Sincerely,
Tim Bunning

Vice Chair, PMSE
Materials and Manufacturing Directorate
Air Force Research Laboratory
WPAFB, OH 45433
timothy.bunning@us.af.mil

For more information:

<http://www.pmsedivision.org/>

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