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www.polyacs.org



polymer



American Chemical Society

Division of Polymer Chemistry, Inc.

Editors: Kathy L. Mitchem and Sarah E. Morgan



Gregory N. Tew
2013 Chair

Chair's Address

Having returned just recently from the 246th ACS National Meeting in Indianapolis, I am thrilled to report that POLY remains a leader within the community. POLY organized more than 15 symposia that covered important contemporary topics spanning bio-medical to structural materials. In addition, a large number of award symposia were held recognizing outstanding contributions from our community. These included Professors Raffaele Mezzenga and David Lynn (Biomacromolecules/Macromolecules Young Investigator Award lectureships); Prof. Rachel O'Reilly (Mark Young Scholar); Prof. Rigoberto Advincula (Mark Scholar) and Prof. Ken Wagener (Herman F. Mark Polymer Chemistry Award). Prof. James McGrath received the Charles Overberger Award. The AkzoNobel award for outstanding graduate research in polymer chemistry was awarded to Hua Lu and Chris Bates received the DSM Science and Technology Award. The Wednesday evening Awards Reception and Plenary Lecture series continues to be a great event. This joint evening with PMSE is a great opportunity for the whole community to assemble and Dr. Barry Farmer presented an outstanding lecture on the history of aviation materials.

In addition to the excellent science presented at the meeting, POLY also announced a new poster award program that will be active at every future meeting. Please encourage your young students to submit their posters for consideration!

Prof. Malika Jeffries-EL was announced as the newest POLY Programming Chair and joins the excellent team of current Program Chairs that includes Dr. Dylan Boday, Dr. Scott Iacono, Dr. Sheng Lin-Gibson, and Prof. Jeff Youngblood. The Workshop and Awards Committees continue to perform tremendous service for POLY. For those of you interested in important ways to serve the Division, these committees are excellent places to start. The Industrial Advisory Board continues to grow its membership and is becoming more active with respect to National Meeting programming. This is another opportunity for more of our industrial members to ensure important technology-related symposia are offered at each National meeting.

The new poster award program was an outgrowth of the strategic planning initiative (<http://www.polyacs.org/1054.html>) conducted at the Winter Executive Committee meeting. This process continues to move forward

with the help of many dedicated volunteers. I would like to take this time to recognize their significant effort. As Chair, it is a pleasure to work with such outstanding people. I look forward to the many excellent activities sponsored by POLY that will continue to be offered in the years ahead.

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POLY Recognizes Outstanding Members

The POLY/PMSE awards reception, held at the ACS National Meeting in Indianapolis, honored outstanding achievements by its members. 2013 POLY Chair, Gregory Tew, had the pleasure of congratulating this year's POLY award winners.

One of the top awards presented Wednesday evening was the **2013 Mark Awards**: Herman F. Mark and Mark Scholars Awards. This special awards recognizes a polymer scientists for "outstanding research and leadership in Polymer Science" and is sponsored by *Elsevier*, the publisher of the journal *POLYMER*. The Mark Scholars had a full session in their honor the ACS National Meeting in Indianapolis.

Herman F. Mark Awardee: Kenneth Wagener, the George & Josephine Butler Professor Polymer Chemistry, Department of Chemistry, University of Florida was recognized as

an outstanding polymer chemist who highly regarded for his passion for education the undergraduate and graduate level. His research group pioneered the ADMET reaction, which is used worldwide, leading to numerous tangible collaborations in Germany, Japan, and several laboratories in the USA. Prior to joining Florida he served in several industrial managerial positions for eleven years within Akzo Nobel. Other prestigious awards in recent times include 2012 Visiting Professorships at ETH/Zürich, MPI/Polymers Mainz, Germany, & Kyoto University, Japan; being inducted as a 2011 Fellow of the American Chemical Society; the 2010 American Chemical Society Herty Award and the 2009 Max Planck Institute for Polymer Research Award.

Mark Scholar Award: Rigoberto C. Advincula was recognized for his accomplishments and contributions in his mid-career advancements in the field. He is currently Professor of Macromolecular Science and Engineering at Case Western Reserve University. His contributions include nanostructured ultrathin polymer materials, hybrid nanoparticles, and innovative surface analytical and nanopatterning methodologies. In the world of materials, he combines the ability to link structure-property relationships with new designs and composition of macromolecules and inorganic materials from both top-down and bottom-up

approaches. This affords a clear and sometimes serendipitous path from conception to potential applications. Most notable are his efforts to train young scientists and engineers with the research environment he has created to give them a taste of an innovative materials discovery process. He is currently Editor for *Reactive and Functional Polymers* and on the editorial advisory board to a number of journals.

Mark Young Scholar Award: Rachel K. O'Reilly, the Professor of Polymer Science and EPSRC career acceleration fellow at the University of Warwick in the UK, received the 2013 Mark Young Scholar Award. Professor O'Reilly was recognized as an emerging talent in polymer chemistry who is highly regarded for her creativity, productivity and contribution to education. She is perhaps best known for her work in the area of precision polymer synthesis and self-assembly with a specific focus on catalytic and

responsive nanoreactors. She has won number of prestigious young investigator awards including the IUPAC Young Polymer Scientist Award and the Royal Society of Chemistry Hickinbottom Award in 2012.

Distinguished Service Awards: Kristi Kiick (University of Delaware), Jeff Linhardt (Google, Inc.), and Greg Tew (University of Massachusetts-Amherst) received the 2013 Distinguished Service Award in recognition of creating and establishing the "Special Plenary Session" held at the ACS National Meetings. This has become the highest attended POLY and PMSE event during the ACS National Meeting.

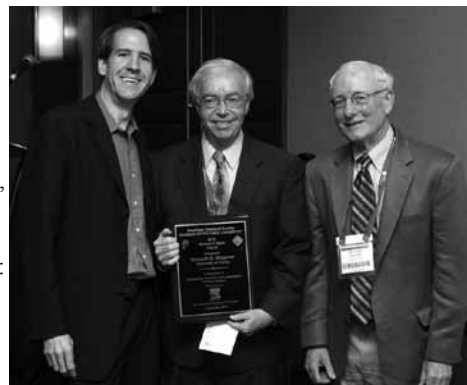
Plenary Lecture: The awards reception featured a Plenary Lecturer, Barry Farmer (Air Force Research Laboratory), who presented, "Polymers in Aviation: Past Present, and Future", which



DISTINGUISHED SERVICE AWD: (l-r) K. Beers (POLY Chair-Elect), K. Kiick, (Univ. of Del.), G. Tew (Univ of Mass.-Amherst), J. Linhardt (Google, Inc.)

coincided with the ACS National meeting theme, "Chemistry in Motion".

The reception was extremely well-attended by approximately 300 POLY and PMSE members and provided an opportunity to better recognize the excellence and community in both the POLY and PMSE Division. The evening successfully celebrated the individuals who are the present and future of Polymer Chemistry. Congratulations again to all! Additional award information can be viewed on-line at WWW.POLYACS.ORG.



HERMAN F. MARK AWD: (l-r) G. Tew (POLY Chair), K. Wagener (Univ. of Florida), R. Turner (Elsevier Representative)



MARK YOUNG AWD: (l-r) R. O'Reilly (Univ. of Warwick) and C. Hawker (Univ. Warwick)



(l-r) PLENARY SPEAKER: D. Martin (PMSE), B. Farmer (AFRL), and G. Tew (POLY Chair)

1st Biomacromolecules/Macromolecules Young Investigator Award

The ACS Journals Biomacromolecules, Macromolecules and ACS Macro Letters in partnership with the Division of Polymer Chemistry honored the inaugural winners of the Biomacromolecules/ Macromolecules Young Investigator Award at the 246th ACS National Meeting & Exposition held in Indianapolis, Indiana. The winners for 2013 were Professors David M. Lynn of the University of Wisconsin–Madison and Raffaele Mezzenga of ETH Zurich.

A half-day award symposium, co-chaired by Editors-in-Chief of sponsoring journals, Ann-Christine Albertsson and Timothy P. Lodge, and featuring distinguished speakers, was held in honor of the winners. Winners were presented with the award at the POLY/PMSE Plenary Lecture and Awards reception. Call for nominations for 2014 will be announced soon.



l-r: S. J. Rowan (ACS Macro Letters), T. P. Lodge (Macromolecules/ ACS Macro Letters), D. M. Lynn (Univ. of Wisconsin-Madison), R. Mezzenga (ETH Zurich), A. C. Albertsson (Biomacromolecules), P. Majumder (ACS Publications Division)

McGrath Received Overberger Award

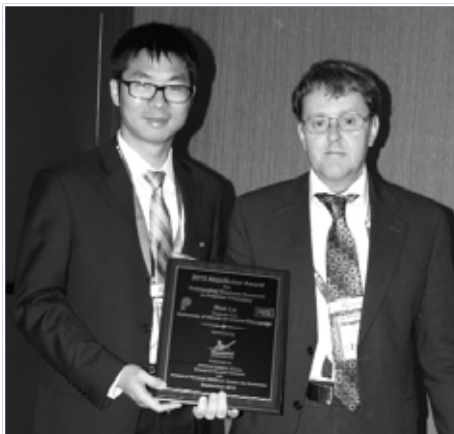
2013 Charles G. Overberger International Prize for Excellence in Polymer Research: This biennial award recognizes and encourages accomplishments of unusual merit in the field of basic or applied polymer science. James E. McGrath is the honored 2013 recipient. McGrath's current research interests are focused in the area of synthesis and characterization of high performance matrix polymers and structural adhesives, high-temperature polymer dielectrics for computers, fire-resistant polymers and composites; and new directly copolymerized sulfonated aromatic copolymers for proton exchange membranes (fuel cells). This new program is sponsored by ACS MACRO, PMSE and POLY and is organized by Rick Laine, University of Michigan.



l-r: R. Laine (Univ. of Michigan), J. McGrath (Virginia Tech)

Hua Lu Receives 2013 AkzoNobel

The 2013 AkzoNobel Award for Outstanding Graduate Research in Polymer Chemistry was presented to Dr. Hua Lu at the ACS National Meeting in Indianapolis September 8-12. Dr. Lu completed a Ph.D. in Materials Science & Engineering in 2011 at the University of Illinois at Urbana-Champaign with Prof. Jianjun Cheng. His Ph.D. research on the controlled synthesis of polypeptides by ring opening polymerization of N-carboxy amino acid anhydrides has wide utility for making functional biomaterials for drug delivery and gene delivery applications. Using N-trimethylsilyl amines as catalysts produces polypeptides of controlled length and low polydispersity. One pot synthesis by sequential ring-opening metathesis polymerization and NCA ring-opening polymerization produces polymer brushes with helical side chains. Dr. Lu's Ph.D. research appears in more than fourteen articles in leading journals. He is now a Damon Runyan Postdoctoral Research Fellow with Prof. Peter Schultz at the Scripps Research Institute.



l-r: H. Lu (Univ. of Illinois Graduate and Keimpe van den Berg (AkzoNobel)

Recently Announced Awards

A symposium to honor these awardees will be held at the 2014 Spring ACS National Meeting, in Dallas, TX.



ACS Award in Polymer Chemistry
Karen L. Wooley
Texas A&M University
Sponsor: ExxonMobil Chemical Company



Polymer Education Award
George Odian
CUNY
Sponsor: Albermarle

C. Bates Receives 2013 DSM Science & Technology Award



Royal DSM, the global Life Sciences and Materials Sciences company, has awarded the DSM Science and Technology Award, Americas 2013, to Christopher M. Bates of the University of Texas in Austin (USA). The theme of this year's award was Mastering Macromolecular Morphology.

Bates received the award for his PhD research on block copolymer thin film orientation, which he conducted under the supervision of Prof. C. Grant Wilson. An international judging committee selected Bates as winner out of four finalists. The award was presented to Bates by DSM's Chief Technology Officer Marcel Wubbolts during the fall meeting of the American Chemical Society (ACS) in Indianapolis on September 11, 2013.

Bates focused his PhD on the creation of self-assembly layers of block copolymers into domains of the length scale of 1 - 100 nanometers to control the interfacial energy of the surface. Thin films with these top coats applied are attractive for many applications including organic optoelectronics, nanoporous membranes and next generation lithography.

The DSM award selection committee (jury) indicated that Bates has made an excellent contribution to the field of thin film materials science, proven by his extensive list of publications in high impact journals and 6 patents. His research has great relevance as it can lead to breakthrough developments in electronics and solar applications. Bates also impressed the jury with his clear presentation of a very complex subject matter.

The other 3 finalists presented their work during the symposia including Shiyi Zhang, Texas A&M University (advisor: K. L. Wooley), "*Versatile constructions of asymmetrically-functionalized polymer nanoparticles for the self-assembly of superstructures*"; Abhijeet P. Bapat, Southern Methodist University, (advisor: B. S. Sumerlin), "*Dynamic-covalent star nanostructures prepared from functional block copolymers obtained by RAFT polymerization*"; Erin F. Wiesenauer, University of Colorado at Boulder. (advisor: Douglas L. Gin), "*Synthesis, nanostructure characterization, and gas separation membrane development of ordered, phase-separated, ionic liquid-based AB and ABC block copolymers*".



l-r: M. Wubbolts (DSM CTO), C. M. Bates (Univ. of Texas-Austin), E. Wiesenauer (Univ. of Colorado-Boulder), A. Bapat (Southern Methodist Univ.), G. Tew (POLY Chair), S. Zhang (Texas A&M Univ.), T. Baughman (DSM Award Coordinator)

Upcoming POLY Award Deadlines

POLY Fellows Award

Deadline - 11/30/13 - Sponsored by: POLY

Purpose: To recognize excellence in all ways that POLY members advance our field of polymer science, either through scientific accomplishments, service to the profession, or both.

Biomacromolecules/Macromolecules Young Investigator Award

Deadline - 1/11/14 - Sponsored by: ACS MacroLetters/POLY/ Macromolecules/ Biomacromolecules

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

DSM Polymer Technology Award

Deadline - 1/24/14 - Sponsored by: DSM

Purpose: To recognize and reward excellence in innovative Ph.D. research in various fields that are of interest to DSM. The award theme will be announced in early January.

AkzoNobel Award for Outstanding Graduate Research in Polymer Chemistry

Deadline - 1/31/14 - Sponsored by: AkzoNobel

Purpose: To recognize a graduate student or recent graduate who has completed an outstanding Ph.D. thesis in research accepted by a U.S. or Canadian university.

Charles G. Overberger Award

Deadline - 2/15/14 - Sponsored by: ACS/POLY/PMSE

Purpose: To recognize and encourage accomplishments of unusual merit in the field of basic or applied polymer science.

For award instructions and additional information, please visit our web site:

<http://www.polyacs.org/>
then click on "AWARDS"

or contact:
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Awards Co-Chairs

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University of Minnesota
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Polymer Division Workshops

From Anionic Polymerization to Aerospace Materials to Membranes

A workshop in honor of Jim McGrath's 80th Birthday

June 29-July 3, 2014

Grand Hotel San Michele and Conference Center
Cetraro, Italy

Organizers:

Judy S. Riffle
Virginia Tech
Phone 540-231-8214
E-mail: judyriffle@aol.com

Benny D. Freeman
University of Texas at Austin
Phone: 512-232-2803
E-mail: freeman@austin.utexas.edu

Topics:

- Advances in Materials for
- Membrane Separations
- Advances in Polymers for Energy Devices
- Biomaterials
- Advances in Polymeric Materials for Fibers and Films

FLUOROPOLYMER 2014

October 13 - 16, 2014

Omni Hotel, San Diego, California USA

Co-Organizers

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Bruno Ameduri
CNRS
Institute Charles Gerhardt
Montpellier, France
bruno.ameduri@enscm.fr
Office: 04-67-14-43-68

Topics Include but not limited to:

- Fundamental and advanced technology tutorials
- Polymer and copolymer synthesis and mechanisms
- Structure / property relationships
- Coatings and surfaces
- Biological and biomedical applications
- Membrane and energy conversion applications
- Fluoropolymers in lithium ion battery applications
- Piezoelectrical and PV devices
- Photonic, optical, and electronic applications
- Industrial elastomers and plastics
- Composites, hybrids, and interfaces
- Semi-fluorinated polymers for emerging applications
- Supercritical fluid processing
- Environmental impact and regulatory status

Silicon-Containing Polymers and Composites

December 14 - 17, 2014
Omni Hotel
San Diego, California USA

CHAIR

Dr. Joseph M. Mabry
Air Force Research Laboratory
E-mail: joseph.mabry@edwards.af.mil

SPEAKERS AND POSTER PRESENTERS

Prospective Speakers, please submit an abstract as soon as possible as the program is building now. Final Submission deadline is Friday, October 31, 2014. Visit the workshop website for further details.

PPC-14 14th Pacific Polymer Conference

December 9-13, 2015
Grand Hyatt Resort and Spa
Kauai, Hawaii USA

CHAIR

Krzysztof Matyjaszewski
(Carnegie Mellon University)

TOPICS INCLUDE

Polymer Synthetic Chemistry
Bio-related Polymers
Polymer Physics/Processing
Polymers Related to Energy
Polymers in the Environment

Additional Workshop Information

Web page:
WWW.POLYACS.NET
or

Lesia Linkous
POLY Business Office
540-231-3029 - LESIAR@VT.EDU

Workshop Co-Chairs

H. N. Cheng, USDA
hnhcheng100@gmail.com

Rigoberto Advincula, Case Western
Reserve University
rcadvincula@gmail.com

COMMITTEE

Dylan Boday, IBM
Michael Hickner, Penn State
Joseph Mabry, AFRL
Robert S. Moore, Kodak, Ret.
Rakesh R. Nambiar, Dupont
Youngping Zha, UMASS Amherst

Newly Approved 2015 Workshops

**Advances in Polymers for Fuel
Cells and Energy Devices 2015**
February 2015

CO-CHAIRS

Brian Benicewicz, Ph.D.
University of South Carolina

Tom Zawodzinski, Ph.D.
University of Tennessee-Knoxville

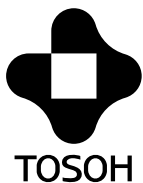
**2015 Advances in Materials
and Processes for Polymeric
Membrane Mediated
Water Purification**
February 2015

ORGANIZERS

Jeffrey McCutcheon
University of Connecticut

Lauren Greenlee
NIST

Mike Hickner
The Pennsylvania State University



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POLY Councilors' Report

by F. Blum, M. A. Meador, B. Daly, & J. Pochan

At the Indianapolis National Meeting (September 8-12, 2013), all four POLY Councilors attended the ACS Council meeting. The following account summarizes some selected activities in the Council and in committees and task forces that POLY Councilors are involved in.

General Topics: The Indianapolis National Meeting attracted 10,840 registrants, including 6,630 regular attendees and 2,585 students. The meeting accepted 7,123 papers for presentation.

The Committee on Nominations and Elections (N&E) announced the following nominees as candidates for President-Elect, 2014: G. Bryan Balazs, Charles E. Kolb, Jr and Diane Grob Schmidt.

The Committee on Economic and Professional Affairs reported that employment is up and unemployment is down for ACS chemists. The complete review of the Comprehensive Salary Survey will appear in the September 23 issue of C&EN.

After much debate, a proposed name change for the Division of Colloid and Surface Chemistry to the Division of Colloids, Surfaces, and Nanomaterials was defeated by the Council in a close vote.

The Board confirmed the recommendation of the ACS Executive Director/CEO of the new President of Chemical Abstracts Service (CAS). He is Manuel (Manny) Guzman, most recently Executive Vice President of Learning and Research Solutions of Cengage Learning. On the recommendation of the Committee on Budget and Finance (B&F), the Board voted to approve an advance member registration fee of \$380 for national meetings held in 2014.

Despite the sluggish economy, ACS is projecting favorable operating results in 2013. Total revenue should be \$491.8 million, which is \$7.5 million or 1.5% less than the approved budget. Fortunately the total expenses are projected to be 477.2 million or 1.8% favorable to budget. Unrestricted Net Assets increases \$84.9 million to \$186 million. Finally, ACS ended the year in compliance with four of the five Board-established financial guidelines.

Council Policy Committee (CPC) and POLYED Initiative– Frank Blum: A joint task force of the CPC and the Committee and Nominations (N&E) is trying to shorten the time lines for Presidential elections. The CPC is also reviewing its Councilor reimbursement policy. The CPC ensures (or at least tries to ensure) that the ACS Council Meeting runs smoothly. At a meeting of the Committee on Professional Training (CPT) a number of POLY members spoke on behalf of incorporating the teaching of polymers into foundation courses in chemistry. This activity was in support of an effort by POLYED (the joint polymer education committee). POLYED, and, we believe, most POLY members feel that some knowledge of polymers must be included in the ACS certified chemistry curriculum.

Division Activities Committee (DAC)-Mary Ann Meador: Magnet Mail, a bulk email service, will be launched to divisions in January. The service can be used to replace current methods that divisions use to communicate with division members or subgroups of members. The service will also allow members to unsubscribe from the service. DAC surveyed divisions last year to capture international interactions and best practices.

These will be shared soon through the DAC newsletter and website. The Divisional Enhancement subcommittee approved 12 new Innovative Project Grants (IPG) to divisions at the Indianapolis Meeting. For future grants, the IPG would like to see fewer projects with travel funding requests. One IPG was highlighted as particularly innovative: survey of marketing techniques to attract members. A proposal was made to allow IPG to fund strategic planning every five years for an amount up to \$2,000 (which would count toward the \$12K/year that divisions are able to receive but would not count as one of the two grants allowed).

A proposal was also made to bring back separate training for new program chairs (P2C2) instead of including program chair training in the leadership conference. This will probably be tried next fall coinciding with the roll out of ScholarOne as the PACS replacement.

Meetings and Expositions (M & E) – Bill Daly: Board Chairman Bill Carroll has formed a task force to review all aspects of national meeting operations. Recent meetings have not met the financial expectations currently defined by the Board regulations.

The committee reviewed the status of ACS-POD. The charge for viewing the presentations from Philadelphia will be abandoned and the program will be available without charge to ACS members. The editor, Jerry Skolnicki, has appointed three associate editors, Emilio Esposito (Computation, Biology); Debbie Krans (Inorganic, Catalysis) and Matt Crowe (Analytical). The appointment of two more associate editors is pending.

The Archive recordings for the Philadelphia and New Orleans meetings are available at: <http://presentations.acs.org>.

In 2015, the abstract entry system (PACS) must be replaced. A Volunteer Advisory Group representing M&E, DAC, PACS Advisory Board and Program Chairs reviewed four vendors – evaluating ability to meet ACS' requirements, ease of submission, program navigation and offline processes. ScholarOne was selected as the new vendor. A select group of Program Chairs/Session Organizers and staff will be asked to participate in mock meetings in early 2014. Division volunteer training will be initiated in Spring 2014 with an anticipated roll out of the new system in time to handle the abstract submissions for the Spring 2015 meeting. ACS is increasing staff levels to give Divisions the ability to have a designated staff person to assist with organizing the program in the abstract system so volunteers can focus more on content and less on organizational and administrative duties.

The committee voted to deny access to Wi-Fi in technical meeting rooms. Electronic access to meeting programming can be achieved using cell phones and a new meeting application being tested in a β -version at this meeting.

The deadline for submission of abstracts for National Meetings is too early. In the case of the Fall meetings, the deadline falls prior to the Spring meetings. A subcommittee was appointed to investigate the opportunities created by the technology changes and staff support associated with the PACS replacement. One goal of the study will be to assure that the abstract submission deadlines for Fall meetings do not fall prior to the Spring meeting dates.

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 R can be: F , Cl , Br , I , CN , NO_2 , NH_2 , OH , SH , COOH , CONH_2 , C_6H_5 , C_6H_4 , C_6H_2 , C_6H_3 , C_6H_1 , C_6H_0 , C_6H_{-1} , C_6H_{-2} , C_6H_{-3} , C_6H_{-4} , C_6H_{-5} , C_6H_{-6} , C_6H_{-7} , C_6H_{-8} , C_6H_{-9} , C_6H_{-10} , C_6H_{-11} , C_6H_{-12} , C_6H_{-13} , C_6H_{-14} , C_6H_{-15} , C_6H_{-16} , C_6H_{-17} , C_6H_{-18} , C_6H_{-19} , C_6H_{-20} , C_6H_{-21} , C_6H_{-22} , C_6H_{-23} , C_6H_{-24} , C_6H_{-25} , C_6H_{-26} , C_6H_{-27} , C_6H_{-28} , C_6H_{-29} , C_6H_{-30} , C_6H_{-31} , C_6H_{-32} , C_6H_{-33} , C_6H_{-34} , C_6H_{-35} , C_6H_{-36} , C_6H_{-37} , C_6H_{-38} , C_6H_{-39} , C_6H_{-40} , C_6H_{-41} , C_6H_{-42} , C_6H_{-43} , C_6H_{-44} , C_6H_{-45} , C_6H_{-46} , C_6H_{-47} , C_6H_{-48} , C_6H_{-49} , C_6H_{-50} , C_6H_{-51} , C_6H_{-52} , C_6H_{-53} , C_6H_{-54} , C_6H_{-55} , C_6H_{-56} , C_6H_{-57} , C_6H_{-58} , C_6H_{-59} , C_6H_{-60} , C_6H_{-61} , C_6H_{-62} , C_6H_{-63} , C_6H_{-64} , C_6H_{-65} , C_6H_{-66} , C_6H_{-67} , C_6H_{-68} , C_6H_{-69} , C_6H_{-70} , C_6H_{-71} , C_6H_{-72} , C_6H_{-73} , C_6H_{-74} , C_6H_{-75} , C_6H_{-76} , C_6H_{-77} , C_6H_{-78} , C_6H_{-79} , C_6H_{-80} , C_6H_{-81} , C_6H_{-82} , C_6H_{-83} , C_6H_{-84} , C_6H_{-85} , C_6H_{-86} , C_6H_{-87} , C_6H_{-88} , C_6H_{-89} , C_6H_{-90} , C_6H_{-91} , C_6H_{-92} , C_6H_{-93} , C_6H_{-94} , C_6H_{-95} , C_6H_{-96} , C_6H_{-97} , C_6H_{-98} , C_6H_{-99} , $\text{C}_6\text{H}_{-100}$, $\text{C}_6\text{H}_{-101}$, $\text{C}_6\text{H}_{-102}$, $\text{C}_6\text{H}_{-103}$, $\text{C}_6\text{H}_{-104}$, $\text{C}_6\text{H}_{-105}$, $\text{C}_6\text{H}_{-106}$, $\text{C}_6\text{H}_{-107}$, $\text{C}_6\text{H}_{-108}$, $\text{C}_6\text{H}_{-109}$, $\text{C}_6\text{H}_{-110}$, $\text{C}_6\text{H}_{-111}$, $\text{C}_6\text{H}_{-112}$, $\text{C}_6\text{H}_{-113}$, $\text{C}_6\text{H}_{-114}$, $\text{C}_6\text{H}_{-115}$, $\text{C}_6\text{H}_{-116}$, $\text{C}_6\text{H}_{-117}$, $\text{C}_6\text{H}_{-118}$, $\text{C}_6\text{H}_{-119}$, 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POLY/ACS National Meeting Activity

<http://www.polyacs.org/8.html>

247th ACS National Meeting

March 16-20, 2014, Dallas, TX

Primary Program Chair: Scott Iacono

ACS Theme: Chemistry and Materials for Energy

- Excellence in Graduate Polymer Research
- Frontiers in Polymer Characterization
- General Topics: New Synthesis and Characterization of Polymers
- Paul J. Flory Polymer Education Award in Honor of George Odian
- POLY/PMSE Awards Reception and Plenary Lecture with Joseph DeSimone
- Polymers for Oil and Gas Energy Operations
- Peptide-Based Materials for Nanomedicine
- Responsive Nanostructures and Nanocomposites
- Materials for Energy Harvesting
- Sustainable Polymers, Processes, and Product Applications (Joint POLY/PMSE)
- Synthesis and Applications of Conjugated Materials: Contributions from Texas and Beyond (Joint POLY/HIST)
- The 12th International Symposium on Biorelated Polymers
- Undergraduate Research in Polymer Science

***YOU ARE INVITED!** If you would like to be more involved with POLY Programming for ACS National Meetings, please join the programming committee meeting on Tuesday, March 18th at noon. Visit the POLY membership booth for the specific meeting room location.*

248th ACS National Meeting

August 10-14, 2014, San Francisco, CA

Primary Program Chair: Dylan Boday

ACS Theme: Chemistry and Global Stewardship

- AkzoNobel Award for Outstanding Graduate Research in Polymer Chemistry (Joint POLY/PMSE)
- Biomacromolecules/Macromolecules Lectureship in Creative Polymer Science
- DSM Polymer Technology Award
- Controlled Radical Polymerization
- Functional Fluids: Synthesis, Structure and Properties (PMSE/POLY)
- General Topics: New Synthesis and Characterization of Polymers
- Green Polymer Chemistry: Biobased Materials and Biocatalysis
- Industrial Scientist Award in Honor of B. Allen
- Metal-Containing and Metallo-Supramolecular Polymers and Materials: Part V (POLY/PMSE/ORG/INORG/COLL)
- POLY/PMSE Plenary Lecture & Awards Reception
- Poly(2-oxazoline)s and related psuedo-polypeptide structures
- Polymer Degradation, Performance and Ultimate Stability
- Polymers at the Interface with Biology
- Polymers for Additive Manufacturing
- Porous Polymers (Joint PMSE/POLY)
- Transport in Polymer Membranes

Future ACS National Meeting Locations

247th - March 16-20, 2014
Dallas, Texas

Theme: Chemistry and Materials for Energy

248th - August 10-14, 2014
San Francisco, California

Theme: Chemistry and Global Stewardship

249th - March 22-26, 2015
Denver, Colorado

Theme: Chemical Resources: Extraction, Refining and Conservation

250th - August 16-20, 2015
Boston, Massachusetts

Theme: A History of Innovation: From Discovery to Application

251st - March 13-17, 2016
San Diego, California

252nd - August 21-25, 2016
Philadelphia, Pennsylvania

253rd - April 2-6, 2017
San Francisco, California

254th - August 20-24, 2017
Washington, DC

255th - March 18-22, 2018
New Orleans, Louisiana

256th - August 19-23, 2018
Boston, Massachusetts

257th - March 31-April 4, 2019
Orlando, Florida

258th - August 25-29, 2019
San Diego, California

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How to Submit an Abstract

PACS (Program and Abstract Creation System) is used by ACS to submit papers and organize symposia. Go on-line to <http://abstracts.acs.org> to submit, view, edit, and prepare abstracts and program your symposia. Click on "PACS Resource Page" for helpful instructions.

PACS customer service representatives are available Monday through Friday, except holidays, from 8:30 a.m to 5:00 p.m. ET. E-mail: pacs@acs.org, Phone: 800-333-9511 (US only), Phone: 614-447-3776 (outside the US). You may also call the POLY Business Office at 540-231-3029 for further assistance.

Symposia Organizers

Helpful PACS Guide

http://www.acs.org/content/acs/en/membership-and-networks/td/abstractsubmission/so_table-of-contents.html

Assistance with Symposium Funding

Kathy Mitchem
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540-231-3029

NEW Poster Awards at National Meeting

POLY is pleased to announce the establishment of the POLY Outstanding Poster Awards. The idea is to increase the importance and visibility of posters being presented at ACS National Meeting in the POLY section. A great deal of work goes into preparing and presenting a high-quality poster and POLY wishes to acknowledge and reward such efforts.

Symposium organizers will be invited to nominate "best posters" based on quality of abstracts submitted to their symposium. Then, the POLY Poster Awards Panel will review the nominated posters on-site during the poster session to select the finalists. The Outstanding Poster Awards will be presented during the POLY/PMSE Awards Symposia on Wednesday evening. Winners will receive a certificate and monetary prize. Additional details about the poster award process will be posted on the POLY web page in February 2014.

CONGRATULATIONS 2013 Outstanding Poster Awardees

Elizabeth A Barrios, Wayne State University (photo-right)

Poster: Fluorinated Polyimide Aerogels: Lightweight, Low Dielectric Materials for Antenna Substrates

Nicholas D. Stebbins, Rutgers University

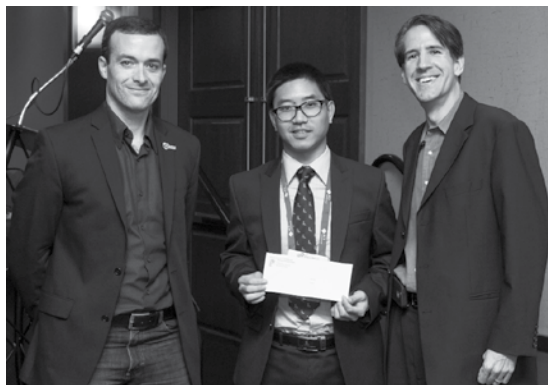
Poster: Biodegradable Poly(anhydride-esters) Comprised Exclusively of Naturally-Occurring Antimicrobials and EDTA: Antimicrobial and Antioxidant Activity



IAB Sponsors Student Participation at National Meetings

The Graduate Student Travel Awards are organized by the Polymer Division Membership Committee and sponsored by the POLY Industrial Advisory Board. The awards for the Indianapolis, ACS meeting were received by Abhay Sham Joiode (North Carolina State Univ.), *"Glass-transition Temperatures of Nanostructured Amorphous Bulk Polymers and their Blends"*, and Bin Tan (Univ. of Massachusetts-Lowell) *"Preparation of Active Layers Based on Poly (e-hexylthiophene) Colloidal Suspensions"*

The Travel Awards are given at each ACS meeting to provide funding for polymer graduate students to travel to the National ACS meeting to present the results of their research. For additional information visit: <http://www.polyacs.org/649.html/>.



J. Sophos Retiring in December

John Sophos has served as ACS Meeting and Exposition Planner for 26 years and will be retiring in December 2013. Many of you may not recognize him, but if you have attended a POLY Symposium at the ACS National Meetings, he made a difference in your experience. He is the person who made sure the rooms were set, signs were in place, and when a problem arose, he was there to respond with a prompt professional solution and resolution. Thank you John for your many excellent years of service to our Division!



POLY E-mail Discussion List

The discussion list is a great way to inform others and receive information about upcoming symposia, workshops, job positions, share questions and answers, and more. The list is available to all POLY members who choose to sign-up. To sign up, sign off, or change e-mail address . . .

- 1) Go to the POLY www site: www.polyacs.org
- 2) Click on: **POLY Electronic Discussion List (on the right under "Quick Links")**
- 3) Complete and submit the website form.

A special THANK YOU to those companies who have taken an active role in POLY's Industrial Advisory Board.

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Travis W. Baughman, DSM Ahead B.V.
Diana J. Gerbi, 3M

Division of Polymer Chemistry's
INDUSTRIAL ADVISORY BOARD

Congratulation
2014 IAB Industrial Polymer
Scientist Awardee

Robert Allen, IBM

A symposium in his honor will
be held at the fall
2014 ACS National Meeting

2013 POLY On-Line Elections

VOTING ON-LINE IS AS EASY AS 1-2-3!

The 2013 candidate information is summarized below. Full statements and bylaw information can be reviewed on-line at www.polyacs.org. An e-mail will be sent to all voting members containing website and login instructions. If you do not have an e-mail address on file, a postcard with this information will be mailed to you.

The 2012 POLY Election was a huge success providing approximately 20% membership participation. POLY anticipates a repeat performance in 2013.

1. Watch for the e-mail or postcard which will be sent in October from elections@vote-now.com, containing your individual password.
2. Once you receive your e-mail or card, go on-line to complete the election ballot at <http://ACS-POLY.vote-now.com>
3. If you do not receive an e-mail or postcard by October 30th or for additional questions, please feel free to contact the POLY Business Office at KATHYL@VT.EDU or call 540-231-3029.

2013 Election Slate

Candidates for Vice-Chair



H. N. Cheng
USDA Southern Regional
Research Center



Karl Haider
Bayer MaterialScience LLC

Candidates for Secretary



Cher Davis
National Institute of
Standards and Technology



Michael Meador
NASA Glenn Research
Center

Candidates for Councilor



Kirt Page
National Institute of
Standards and Technology



John Pochan
Graphene Devices Limited

Candidates for Councilor



Frank Blum
Oklahoma State
University



Thomas Smith
Rochester Institute of
Technology

Candidates for Alternate Councilor



Jon Pokorski
Case Western Reserve
University



Brent Sumerlin
University of Florida

Candidates for Alternate Councilor



Semra Colak
3M Company



Derek Patton
University of
Southern Mississippi

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- **Polymer reinforced composites/thermoelastic**
 - **SLA, FDM, 3D, Examples**
- **Block copolymer, crystalline, and amorphous long delivery**
 - **Block copolymer PEGs — Examples**
 - **Block copolymer PEGs — Examples**
 - **Block copolymer PEGs — Examples**
- **2D/3D Technology reinforced composites**
 - **Block copolymers** — **Block copolymers** — **Other polymers**
 - **Polymers** — **Polymers** — **Block copolymers**
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Annual Treasurer's Report

by Mark Dadmun, POLY Treasurer

The table outlines the summary and status of the 2013 budget with respect to the current income and expenditures through July 2013 and is compared to the end-of-year figures for 2012 and planned 2013 budget.

We continue to balance the budget and ensure that the expenditures are within the allocated figures agreed upon at the last 2013 Ex-Com meeting. Any questions may be directed to Mark Dadmun, POLY Division Treasurer, dad@utk.edu.

Budget Category	2012 Actual		2013 Budget		2013 Actual to Date	
	Income	Expense	Income	Expense	Income	Expense
ACS Dues/Awards/ Allocations	222,409	29,083	251,900	36,000	145,974	35,185
National Meetings Activities	75,032	153,782	61,000	146,250	42,295	84,064
Workshop Activities	267,406	209,845	272,000	220,000	189,424	70,465
Administrative	0	166,843	0	170,250	0	88,666
Publications & Advertising	67,114	58,951	30,500	26,000	21,418	7,859
Committee Activities	18,100	29,243	12,000	28,500	9,967	18,725
Total Budget	594,562	561,225	627,400	627,400	409,078	304,964
Budget Delta	2,314		0		102,116	
Investment Balance	731,619				790,718	

Congratulations! POLY Members Receive ACS Fellows

The 2013 ACS Fellows represent 28 National Committees, 30 Divisions, and 49 Local Sections of the ACS. A complete listing of all ACS Fellows is available at:

<http://www.acs.org/content/acs/en/funding-and-awards/fellows.html>

Kenneth R. Carter

University of Massachusetts -
Amherst

Barry L. Farmer

Air Force Research Laboratory

Tobin J. Marks

Northwestern University

Mary Ann B. Meador

NASA Glenn Research Center

Robert B. Moore

Virginia Tech

Raphael M. Ottenbrite

Virginia Commonwealth University

David A. Schiraldi

Case Western Reserve University

Patrick B. Smith

Michigan Molecular Institute

Timothy M. Swager

Massachusetts Institute of
Technology

Gregory N. Tew

University of Massachusetts -
Amherst

Nominations for the next class of Fellows will open in the first quarter of 2014.

Membership Committee Report

K. Cavicchi and M. Meador

Here is the latest news from the Membership Committee:

- POLY will be launching a Membership Drive before the end of the calendar year and we need your help. POLY members and POLY/PMSE student chapters that get the most new members will be recognized at the Spring ACS National Meeting in Dallas. Stay tuned for more details.
- The second student networking reception was held at the Indianapolis Colts Grille on Monday evening at the Indianapolis ACS meeting. As was the case in New Orleans, attendance was very good. We had a full room with students from a number of different Universities attending along with a number of POLY and PMSE executive board members. Thanks to the University of Akron's POLY/PMSE Student Chapter for organizing this event and to PMSE for their shared support of the student chapters, particularly the past reception in Indianapolis. Please look for this event in the spring as we establish this as a regular event for student members.
- During the ACS National Meeting, POLY sent out a daily e-mail, "What's Happening at the ACS National Meeting Today", which gave a brief overview of technical symposia and other POLY sponsored events being held each day. This is an attempt to provide a greater awareness of POLY sponsored daily events at ACS National Meetings for both members who are attending the meeting and those who cannot. The Membership Committee welcomes your feedback on how we can improve this e-mail in the future as well as ways that we can better engage the membership in POLY events at National Meetings. Please send any comments to Mike Meador at Michael.A.Meador@nasa.gov

POLY Welcomes Ashley Ritter

The Division is excited to introduce our new staff member, Ashley Ritter. She joined the Business Office in May 2013. Ashley is a Virginia Tech graduate in Hospitality and Tourism Management which will be very useful as we work on workshop activities and other planning events. She brings with her a youthful outlook which will help POLY reach out to its membership with updated technology including Twitter, LinkedIn, Facebook, and other media outlets. Ashley will also provide support to POLY's very active awards program among other tasks. Please join us in welcoming Ashley to our outstanding polymer community.



Ashley Ritter
ardaltn@vt.edu
540-231-3029



division of polymer chemistry, inc
American Chemical Society



To post items on the web site contact
Christine Landry-Coltrain
christine.landry-coltrain@kodak.com

Visit the POLY website - We have what you are looking for!

Home | MAIN MENU | Workshops and POLY Sponsored Meetings | National Meeting Activity | Additional Meetings of Interest | AWARDS | JOBS

Membership Benefits and Questions

Contact the Polymer Division Business Office for all your POLY membership questions!

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