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Visit the POLY website at
www.polyacs.org



polymer



American Chemical Society

Division of Polymer Chemistry, Inc.

Editors: Kathy L. Mitchem and Sarah E. Morgan



Robert B. Moore
2011 Chair

Chair's Address

Welcome to the Fall 2011 POLY Newsletter. As I am sure you will see in the pages to follow, this has been a tremendous year for POLY! Over this year, it has been such a great pleasure and honor to serve as your Chair of the Polymer Chemistry Division. The strength of our Division within the ACS, the cutting-edge programming, the enthusiastic volunteerism of our leadership teams, and the vibrant participation of all our members in Divisional activities never ceases to amaze me. Clearly, it's never been a better time to be a member of POLY. This year, I hope

you will consider joining our team of volunteers; together, we can continue to enhance the leadership position of POLY among all the ACS divisions. Soon, you will have the opportunity to vote for the future leaders of POLY. We have an outstanding group of individuals among our election slate that are eager to volunteer in roles that will shape the future path of our Division. I strongly encourage you all to participate in this very important membership responsibility.

While recruitment of new members and the retention of existing members remains a challenge across all divisions of the ACS, the outstanding leadership of our membership committee has risen to this challenge by targeting new initiatives to enhance the tangible benefits of membership. Many of these new initiatives to come are a direct result of your most valuable feedback in our recent survey of the membership. As I have stated before, one of the greatest benefits of POLY membership is the opportunity to become actively involved in your field and directly connected to such an outstanding community of professionals. Among our new initiatives, we are extremely excited about the vigorous growth of our new student chapters. In cooperation with our sister Division, PMSE, we are delighted to announce a merger of these chapters into POLY/PMSE Student Chapters. Please take a look at the activities of our Student Chapters on page 7 of this newsletter. These young Polymer Chemists are the future leaders of our field and Division, and we welcome your cooperation in reaching out to them in the years to come.

Another great benefit of our Division comes from our recognition of the tremendous accomplishments of our members in our growing awards program. This last Fall, POLY awarded a remarkable number of 21 awards to our outstanding members in a fabulous reception sponsored by ACS MacroLetters. These awards are highlighted on page 3 of this newsletter. Our POLY members are truly among the top scientists and engineers in the world, and I encourage you to nominate worthy candidates for all the POLY Awards. We are also delighted to recognize the incredible number (31) of POLY members that were inducted into the 2011 class of ACS Fellows. These members are recognized by name on page 6.

Among our POLY award recipients, I would like to personally recognize one of our "gems" of the Division. In Denver, I had the great honor to present the POLY Distinguished Service Award to Neta Byerly for her 30 years of service to the Division as our Business Office Manager. This year, Neta has retired from this position, and we will deeply miss her delightful presence at the helm as we venture forward. During my long association within the organization of POLY (since 1991), Neta has been my steadfast mentor and guide. Her "behind the scenes" leadership in all of our Divisional activities, from the kind and ever-welcoming personality at the membership booth, the meticulous management of our POLY workshops, and our "Rock" in safeguarding our Division finances, she has ensured that your Division will remain solid and poised for excellence in the future. We are all indebted to your remarkable service and great friendship – from the bottom of my heart – THANK YOU Neta!

Finally, I would like to thank all of the past and present members of the leadership of POLY, the gracious sponsors of our Divisional activities, and all of the members for making this such an extraordinary Division of the ACS. We should all be extremely proud of our great success and outlook for the future. We always have "jobs" for anyone looking to participate in our Division in a more active role, so please take the opportunity to join a great professional family. I look forward working with you as we build upon the grand plans and programs implemented under our future leadership. Go POLY!!



(l to r) Neta Byerly and
Bob Moore





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POLY Recognizes Outstanding Members!

The POLY/PMSE awards reception, held at the ACS National Meeting in Denver, honored outstanding achievements by its members. 2011 POLY Chair, Robert B. Moore, had the pleasure of congratulating this year's POLY award winners. In addition to the following awards, the AkzoNobel, DSM Polymer Technology Awards, Outstanding POLY Poster Awards, and International Year of Chemistry recognitions were presented at this reception and are covered in their separate articles in this Newsletter.

2011 Mark Awards: The Herman F. Mark and Mark Scholars awards recognize outstanding research and leadership in Polymer Science and are sponsored by *Elsevier*. Professor Javid Rzayev of Buffalo is the recipient of the Mark Young Scholar Award. His research program embraces the building of tailored polymer structures and architectures and the analyzing of supramolecular organization and self-assembly. The main focus is on shape-persistent macromolecules as building blocks for nanoscale assemblies and functional materials. Professor Timothy Long of Virginia Tech is our recipient of the Mark Scholar Award. Prof. Long is devoted to fundamental investigations of living polymerization processes, molecular architecture-performance relationships, branched polymers, polymer design at the interface with biology, supramolecular chemistry, and the pioneering of in-situ spectroscopic techniques in polymer and monomer synthesis. Professor Jimmy Mays of the University of Tennessee is the recipient of the Mark Senior Scholar Award. Prof. Mays is internationally recognized as one of the leaders in the synthesis of polymers and copolymers having tailored architectures and in modifying surfaces and particles with polymers.

Each Mark Scholar had a full session at the Denver meeting concluding with their award address. The Polymer Division thanks and recognizes these outstanding individuals for their work, dedication, and leadership within the field of Polymer Science.

POLY Fellows, Distinguished, and Service Awards: POLY salutes its invaluable volunteers and staff for their outstanding service to the Division. Axel Mueller, University of Bayreuth and Judy Riffle, Virginia Tech, received the POLY Fellow Award for their outstanding achievements and contributions to Polymer Science and the Profession. John Pochan, Cornell University, received the Distinguished Service Award for his outstanding contributions as POLY Councilor. Ann Salamone, Rochal Industries, was recognized with the Special Service Award in recognition of her outstanding service to the Industrial Advisory Board. Neta L. Byerly, Polymer Chemistry Division, was recognized for her 30 years of service at Virginia Tech and outstanding service as POLY Business Office Manager.

Graduate Student Travel Awards: The Graduate Student Travel Awards were once again organized by the Polymer Division Membership Committee and sponsored by the POLY Industrial Advisory Board. The awards for the Denver, ACS meeting were received by Abhijit Paul, Oklahoma State University, whose presentation was entitled "Polystyrene Grafted Single-Walled Carbon Nanotube Composite", and Jia Wei, University of Maryland, who presented his work on "Precision Polyolefin Waxes: Synthesis, Structure Characterization and Thermal Analysis".

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 on this awards visit: <http://www.polyacs.org/membership/travelinst.shtml>.

Plenary Lecture: The Denver meeting featured a Plenary Lecture in conjunction with the joint POLY/PMSE Awards Reception. James McGrath, Virginia Tech, presented the Plenary Lecture, "Contributions of Polymer Science and a Resurgent U.S. Chemical Industry to the Chemistry of Air, Space, and Water".

The event was sponsored by *ACS MacroLetters*. The reception was extremely well-attended 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.

Reception Sponsored by

**ACS Macro
Letters**

<http://pubs.acs.org/journal/amlccd>



(l to r, row 1 - bottom) J. Mays, Mark Scholar Awardee, R. B. Moore, POLY Chair
(l to r, row 2 - center) J. Rzayev, T. E. Long, Mark Scholar Awardees
(l to r, row 3 - top) R. Turner, and A. Mueller, Elsevier Award Sponsor Reps.



(l to r)
A. Mueller, Fellow Awardee and R. B. Moore, POLY Chair



(l to r) J. Riffle, Fellow Awardee and R. B. Moore, POLY Chair



(l to r)
R. B. Moore, POLY Chair, and J. Pochan, Distinguished Service Awardee



(l to r)
N. L. Byerly, Special Service Awardee and R. B. Moore, POLY Chair



(l to r) A. Paul, Graduate Student Travel Awardee, R. B. Moore, POLY Chair



(l to r)
J. E. McGrath, Plenary Lecture Speaker, R. B. Moore, POLY Chair



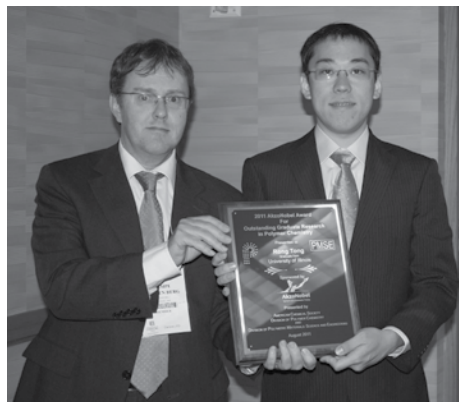
(l to r) Todd Emrick, PMSE Chair, Timothy P. Lodge, ACS MacroLetters Sponsor Rep., and R. B. Moore POLY Chair

Rong Tong Recieves 2011 AkzoNobel Award



The winner of the 2011 AkzoNobel Award for Outstanding Graduate Research in Polymer Chemistry is Rong Tong. Dr. Tong earned the Ph.D. in Materials Research and Engineering in 2010 at the University of Illinois at Urbana-Champaign under the mentorship of Prof. Jianjun Cheng. The award is given for the best Ph.D. thesis in polymer chemistry during the three years prior to the year of the award, and is administered by PolyEd, the polymer education committee of the ACS jointly sponsored by the Division of Polymer Chemistry (POLY) and the Division of Polymeric Materials: Science and Engineering (PMSE). The award was presented August 30 at a POLY symposium in honor of Dr. Tong at the ACS National Meeting in Denver.

Dr. Tong's research focused on nanoconjugation, a novel polymerization chemistry for making anticancer polymeric nanomedicine by controlled, regioselective polymerization of lactide. He expanded this technique to doxorubicin and many other complex therapeutic molecules, and demonstrated chemoselective and regioselective polymerizations via the use of rationally designed catalysts. He extended the research to aptamer liposomes for breast cancer targeting. Dr. Tong's Ph.D. research has appeared in 14 publications in leading scientific journals.



(l to r) Keimpe van den Berg, AkzoNobel and Rong Tong, Awardee

Outstanding POLY Poster Awards

BAUSCH + LOMB

During the recent ACS National meeting in Denver, POLY recognized 5 Outstanding Posters presented during the ACS POLY/PMSE poster session. This award was made possible by Bausch & Lomb.

Congratulations Outstanding Poster Recipients!

Ryan Hensarling,

University of Southern Mississippi
"Efficient Post-Polymerization Surface Modification Utilizing Pendant Thiol Polymer Brushes"

Rycel Uy

University of North Carolina Chapel Hill
"Design and Synthesis of a Thienothiazolebased Polymer for Organic Solar Cells"

Chun Yang

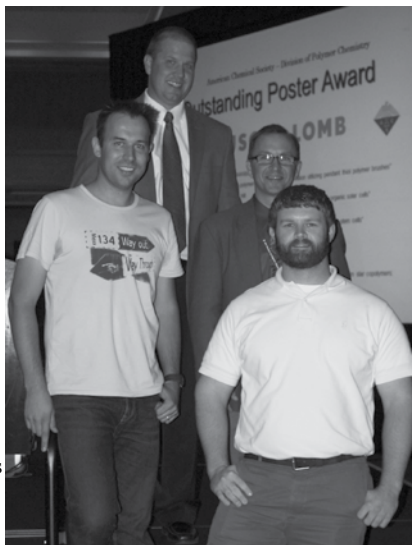
University of Colorado,
"Development of an Osteogenic Scaffold for Human Mesenchymal Stem Cells"

Hiroataka Takishita

Osaka University
"New Stimuli Responsive Films Obtained from Various Block and Heteroarm Star Copolymers: Smart Films Exhibiting Multistep Thermosensitivity"

Rene Brinkhuis

Radboud University Nijmegen
"Dynamic Polymersome Surfaces"



(top) Jeff Linhardt, Bausch+Lomb
(center l to r) Rene Brinkhuis, Awardee and Robert B. Moore, POLY Chair
(bottom) Ryan Hensarling, Awardee

Upcoming POLY Award Deadlines

Industrial Polymer Scientist Award

Sponsor:

Industrial Advisory Board

Deadline: 11/1/11

Purpose: To recognize outstanding industrial innovation and creativity in the application of polymer science, conducted by individual scientists or research teams.

POLY Fellows Award

Deadline - 11/30/11

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.

Carl S. Marvel Creative Polymer Chemistry Award

Sponsor:

Albermarle

Deadline - 7/1/12

Purpose: To recognize and encourage accomplishments and/or innovation of unusual merit in the field of basic or applied polymer science by younger scientists.

Nomination Instructions:

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

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

or contact:

Kathy Mitchem
POLY Business Office
540-231-3029

DSM & POLY Present the First Annual Polymer Technology Award



Cole DeForest has been awarded the DSM-ACS POLY Polymer Technology Award 2011 for his PhD research in the field of responsive polymer hydrogels.

A judging committee comprising of Prof. Chris Bowman (Univ. Colorado Boulder), Prof. Karen Wooley (Texas A&M), Prof. Rachel O'Reilly (Warwick University), Marc Hendriks (DSM Biomedical), & Jos Put (DSM CTO) chose the winner from among four candidates selected as finalists. Cole DeForest has developed a synthetic methodology to synthesize novel hydrogel biomaterials whose biochemical and biophysical properties are independently tunable in both time and space and can be used to direct and probe fundamental cell function. The winning research will enable researchers to gain better insight into how cells receive complex information from their local native environment. This knowledge will aid in the development of next-generation biomaterials, which will be used as 3D cell culture materials to promote spatially-defined stem cell differentiation, as well as in the engineering of functional human tissue for regenerative medicine applications. The award carries a cash prize of \$2,000.



(l to r) Jos Put, CTO DSM and
Cole DeForest, DSM-ACS POLY
Polymer Technology Award Winner 2011



(l to r) Joshua Katz (Award Finalist), Cole DeForest
(Award Winner), James Kretlow (Award Finalist),
Timothy Merkel (Award Finalist),
Travis Baughman (DSM-POLY Award Coordinator)

Cole DeForest said, "I am proud to be the recipient of the inaugural DSM Polymer Technology Award, a new tradition that I hope will carry on for many years to come. This award represents a strong commitment from DSM to new and ongoing partnerships with the academic world, which will be crucial in the continued development and commercialization of innovative chemical products for many years to come. It is an honor to be selected for such a fabulous award."

The other three finalists were: Joshua Katz, James Kretlow and Timothy Merkel. All four finalists presented their PhD research at a special DSM – ACS POLY Symposium held in Denver.

Dr Put said, "DSM wants to recognize and reward exceptional achievements in science, both by our own employees and by talents working outside DSM. That is why we have our **Bright Science Awards** program. The Polymer Technology Award that we have introduced this year in the USA fits in our global strategy and is meant to support and reinforce our interaction with the academic world in the US."

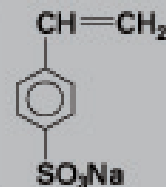


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International Year of Chemistry Symposium - Highly Attended in Denver

Kris Matyjaszewski (Carnegie Mellon University), Brent Sumerlin, and Nick Tsarevsky (both from Southern Methodist University) co-organized the 6th Symposium on Controlled Radical Polymerization (CRP) as part of the 242nd ACS National Meeting held in Denver. This was the most recent in a series of successful meetings sponsored by the POLY Division. The previous symposia took place in San Francisco (1997), New Orleans (1999), Boston (2002), Washington, DC (2005), and Philadelphia (2008). The 5-day symposium consisted of more than 90 oral presentations and over 90 posters. Both Wiley Macromolecular Journals and the RSC Publications (Polymer Chemistry) sponsored 5 best poster awards (photo right). Wiley Macromolecular Journals best poster award winners were Etienne Girard, Shannon Woodruff, John Moraes, Cyrille Boyer, and Hiroki Yamaguchi. The winners of the RSC Polymer Chemistry best poster award were Hiroshi Aoshima, Mingjiang Zhong, Qiang Zhang, Abhijeet Bapat, and Melissa Kern. The proceedings of the symposium will be collected in an ACS Symposium Series volume, as was done after the prior meetings. Due to significant interest from both academia and industry, the organizers are currently planning a 7th CRP Symposium.



Congratulations 2011 ACS Fellows

Congratulations to the 2011 ACS Fellows! The American Chemical Society announces the selection of 213 members as 2011 ACS Fellows. These distinguished scientists were recognized and honored for their significant contributions to the science and for providing excellent service to the ACS. They represent 33 technical divisions and 83 local sections and reflect a wide range of disciplines and geographic locations. Thirty-one of the individuals awarded this year are POLY members.

POLY MEMBERS RECEIVE 2011 ACS FELLOWS AWARD

Eric Baer	Kenneth J. Balkus	Zhenan Bao	David E. Bergbreiter
Anita J. Brandolini	Phillip F. Britt	Arthur J. Coury	James Crivello
Ronald P. D'Amelia	William R. Dolbier, Jr.	Margaret A. Dulany	Benny D. Freeman
Anton J. Hopfinger	Bob A. Howell	Benjamin S. Hsiao	Alex K-Y. Jen
Robert S. Langer	Patricia A. Mabrouk	N. Bhushan Mandava	Jimmy W. Mays
Robert D. Miller	James A. Moore	Barbara Moriarty	Connie J. Murphy
Nicholas Peppas	Theodore Provder	Buddy D. Ratner	Patricia A. Redden
Kirk S. Schanze	Alan E. Tonelli	Kenneth B. Wagener	

*Additional ACS Fellows information can be found at
<http://pubs.acs.org/cen/acsnews/89/8932acs2.html>*

Annual Treasurer's Report

by Mark Dadmun, POLY Treasurer

The table below outlines the summary and status of the 2011 budget with respect to the current income and expenditures through August 2011 and is compared to the end-of-year figures for 2010 and planned 2011 budget.

We continue to balance the budget and ensure that the expenditures are within the allocated figures agreed upon at the last 2011 Ex-Com meeting. Any questions may be directed to Mark Dadmun, POLY Division Treasurer, dad@utk.edu.

Budget Category	2010 Actual		2011 Budget		2011 Actual to Date	
	Income	Expense	Income	Expense	Income	Expense
ACS Dues/Allocations/Awards	\$291,729	\$ 21,863	\$236,500	\$ 29,500	\$ 181,908	\$ 13,501
National Meetings Activities	\$ 62,297	\$140,233	\$ 36,300	\$121,000	\$ 44,229	\$ 53,072
Workshop Activities	\$159,315	\$114,012	\$178,000	\$124,000	\$ 198,738	\$ 87,937
Administrative		\$166,544		\$150,000		\$ 102,328
Publications & Advertising	\$ 35,469	\$ 57,286	\$ 43,000	\$ 57,800	\$ 33,986	\$ 35,580
Committee Activities	\$ 16,342	\$ 28,744	\$ 10,000	\$ 21,500	\$ 8,371	\$ 8,483
Total Budget	\$565,154	\$528,684	\$503,800	\$503,800	\$ 467,234	300,903
Budget Delta	\$36,469				\$166,330	
Investment Balance					\$666,117	

Membership Committee Update

The Membership Committee is continuing to work to increase POLY membership and to provide new services to our current membership. We are offering reduced price memberships to current members of PMSE and Organic Divisions as well as to speakers from POLY sessions at the ACS National Meeting who are not currently POLY members. We are also reaching out to people that have let their POLY memberships lapse to see why they left POLY and how we can make POLY more valuable to them. Dave Germack and Derrick Patton are working on ways to utilize social media to reach out to our membership and offer them new services. POLY now has Facebook and LinkedIn pages. The LinkedIn site, among other things, includes notices of employment opportunities. If you are not registered for both of these sites, please do so. Kevin Cavicchi is working on increasing the number of student chapters and has agreement from the Executive Committees of both POLY and PMSE to institute joint student chapters. Currently POLY has 5 active student chapters and PMSE has 1. We have set a goal of increasing the total number of active POLY/PMSE chapters to 10 by the end of this year. If you are interested in helping start a student chapter at your school or in your region, please contact Kevin. Check out the student chapter updates at the bottom of this column. As always, the POLY Membership Committee wants to hear from YOU. Please let us know how we can make your membership more valuable to you and your colleagues (Mike Meador – Michael.A.Meador@nasa.gov, Mary Ann Meador – Maryann.Meador@nasa.gov, Kevin Cavicchi – kac58@uakron.edu)

POLY Student Chapter Activity

by Kevin Cavicchi



This summer has had a number of exciting developments for the graduate student chapters. First, I am glad to introduce the newest student chapter at the University of Southern Mississippi. A note from their President Ryan Hensarling is below. Also, reports from the University of Texas—Dallas and University of Michigan chapters are included. The other major news item is the merging of POLY and PMSE graduate student chapters into POLY/PMSE student chapters. This effort has received broad support from both the PMSE and POLY Divisions and should help the student chapters swell their ranks by recruiting from a broader range of disciplines. As always look for updates and student chapter opportunities at <http://www.polyacs.org/833.html>.

University of Southern Mississippi POLY Student Chapter: We are excited to launch the POLY Student Chapter at the University of Southern Mississippi this fall semester. Planning has been underway to provide members with a social environment that promotes networking, mentorship, and outreach. We are currently establishing key contacts between industrial and professional associations encouraging science-related interactions outside the department, not only allowing for a partnership between students and potential employers but also educating the community about polymer science. Throughout the year, we plan to host seminars with invited professors within the polymer science community, conduct professional development workshops, and teach the next generation of scientists what polymers are and how they are used. We are looking forward to what this upcoming year unfolds for our Chapter.



Student Chapter Committee (l to r) Treasurer: Emily Hoff, Secretary: Brad Sparks, Vice President: Sarah Exley, President: Ryan Hensarling, Faculty Advisor: Professor Derek Patton

Ryan Hensarling, USM POLY Chapter President

University of Dallas POLY Student Chapter: This is a year of many achievements starting with the establishment of the POLY Student Chapter in UTD, collaborations with other student Associations, participation in academic activities, symposia and two ACS conferences. This summer, UTD-PSC participated in the George A. Jeffrey Nano-xplorer program, a well recognized program in Texas. UTD-PSC members guided young Nanoxplorer undergraduate students in learning experiences and won the “Tech Titans of the Future” Award for this involvement. UTD-PSC members, actively involved in ACS national conferences, presented their work in oral and poster presentations and attended the POLY Board meeting. Since some of the members of UTD-PSC were former members of the Clemson University POLY student chapter, we are planning to keep an information bridge with Clemson to exchange updates, improvements and suggestions between the Clemson University POLY Student Chapter and UTD-PSC. We are also collaborating with the UTD Chemistry Student Association (CSA) which will help to enlarge our Student Chapter and involve undergraduates. In the upcoming semester, UTD-PSC plans to discuss future events, develop strategies for fundraising, and spread information about ACS fellowships and awards. We also plan to invite speakers representing local industries to talk about industrial experience and job opportunities in the polymer field.



Babloo Sharma, UDT POLY Chapter President

University of Michigan POLY Student Chapter: We have been very active this year. In May, many of our POLY members volunteered at the Hands-On Museum of Ann Arbor during the Hands-On Chemistry Demo Weekend. We explained to kids the role chemistry plays in fun demos such as “bracelet making with UV color changing beads” and “Acid/Base invisible ink: paint with lemon juice”. We are preparing for our Macromolecular Science and Engineering 35th Annual Symposium, which is scheduled for October 27th. Professor Laine will be awarding the first Charles G. Overberger Research prize to Professor Yoshio Yokamoto from Nagoya University.



Daniel Flynn, UM POLY Chapter President

Call for POLY/PMSE Student Chapter Proposals

This is to announce the first annual call for proposals from POLY/PMSE student chapters. You may propose up to \$1000 to help defray the costs for an event to be hosted by your chapter. Types of events eligible for funding may be hosting speakers for a special symposium, holding a poster session with students from your chapter and other chapters in the same region, community outreach events to teach elementary or high school students about polymers, job fairs and other events which add value to your members or which help your chapter grow. Obtaining matching funds from your school or local industries is highly encouraged and will enhance the likelihood of your proposal being funded. Proposals should be submitted by Dec. 1, 2011 using the template available on the POLY website to be eligible for funding. Selections will be announced at the end of January.

For Additional Information:

WWW.POLYACS.ORG

Kevin Cavicchi
kac58@uakron.edu

2011 POLY On-Line Election

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

The 2010 POLY Election was a huge success providing approximately 18% membership participation. POLY anticipates a repeat performance with our 2011 election. The 2011 candidate information is summarized below and will be posted including a bio and statement on-line at <http://bios.pdf>

An e-mail will be sent to all voting members which will contain web site and login instructions. If you do not have an e-mail address on file, a postcard with this information will be mailed to you. If you would like to update your membership e-mail address or other membership information, please contact ACS membership services at 1-800-333-9511 or e-mail service@acs.org.

1. Watch for the e-mail or postcard which will be sent to you in October from elections@vote-now.com, that will contain your individual password.
2. Once you receive your e-mail or card with the subject "2011 Division of Polymer Chemistry Elections", 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.

2011 Election Slate

Candidates for Vice Chair



Kathryn L. Beers
Polymers Division, NIST



Jeffrey Linhardt
Bausch & Lomb

Candidates for Treasurer



Mark Dadmun
University of Tennessee



Robson F. Storey
The University of
Southern Mississippi

Candidates for Councilor



William (Bill) H. Daly
Louisiana State University



Warren T. Ford
Oklahoma State University

Candidates for Alternate Councilor 1



Rigoberto Advincula
University of Houston



Dana Garcia
Arkema, Inc.

Candidates for Alternate Councilor 2



MaryAnn Meador
NASA Glenn Research



Robert S. Moore
Kodak (retired)

Candidates for Alternate Councilor 3



Christine Landry-Coltrain
Eastman Kodak Company



David Germack
Brookhaven National Lab

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TREF SGIC 2D TGIC

IR5 MCT CFC

IR4

GPC One

CEF

CRYSTEX

GPCIR

PREP mc²

CRYSTAF

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Find out more at: www.polymerchar.com/about_us



TREF | CRYSTAF | CRYSTEX | GPCIR | CFC | CEF | PREP mc² | IR4 | IR5 MCT

Polymer Char

2011-2012 Polymer Division Workshops

Additional Workshop Information

Visit the web page:
WWW.POLYACS.NET

or contact

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

Workshop Committee

H. N. Cheng, USDA
hncheng100@gmail.com

Gobet Advincula,
Univ. of Houston

Dylan Boday, IBM

Rakesh Nambiar, DuPont

***Workshop proposals
are being accepted at
this time***

[www.polyacs.net/
workshopshub.htm](http://www.polyacs.net/workshopshub.htm)

MACROMEX 2011

December 7-10, 2011

Barcelo Maya Beach Resort, Riviera Maya, Q. Roo, Mexico
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SESSION TOPICS

- Precision Polymer Synthesis
- Self-Assembling & Nanomaterials
- Biomaterials
- Polyolefins
- Advanced Polymer Materials:
Optoelectronics & Membranes
- Nanocomposites & Blends
- General Topics

10th National Graduate Research Polymer Conference Cleveland, Ohio May 2012

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*Additional Information Coming Soon
On-line at WWW.POLYACS.NET*

POLYCONDENSATION 2012

September 16-19, 2012

Sir Francis Drake Hotel, Union Square, San Francisco, CA, USA

<http://www.polyacs.net/Workshops/12Polycondensation/home.htm>

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E-mail: hedrick@almanden.ibm.com

Topics of Interest

Polycondensation, which has a long-standing presence in the international polymer community for over ten years, will be held at Sir Francis Drake Hotel, San Francisco, CA USA. The event started in Paris in 1996, was in Annapolis, MD in 1998, and has continued every two years since its inception. Other locations have included Tokyo in 2000, Hamburg, Germany in 2002, Roanoke, Virginia in 2004, Tokyo in 2008 and the Netherlands in 2010. The theme of the conference will primarily be recent developments in the synthesis, characterization, and performance of step-growth (condensation) polymers. Oral presentations on linear, branched, tailored architecture, sustainable polymer design, and crosslinking are particularly invited. This event will attract speakers from all over the world, including North and South America, Europe, Australia, and Asia.

2012 Polymer Division Workshops

Fluoropolymer 2012

October 14 - 17, 2012

The Flamingo, Las Vegas, NV, USA
WWW.POLYACS.NET

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The University of Texas at Dallas
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E-mail: dwsmith@utdallas.edu

Prof. Scott T. Iacono
U.S. Air Force Academy
Phone: 719-333-6070
E-mail: Scott.Iacono@usafa.edu

Fluoropolymers are enabling materials which find applications in critical technologies from energy conversion, to microelectronics and photonics, to extreme environment applications to biomaterials. Traditional fluoropolymer technology is nearly 65 years old and it maintains a growth rate above the US GNP. In addition to perfluoropolymers, partially fluorinated polymers will continue to impact a wide range of technologies as better control of their unique optical, electronic, processing, extreme environment stability, and surface properties is achieved. This will be the fifth biannual FLUOROPOLYMER conference hosted by the Division of Polymer Chemistry. FLUOROPOLYMER 2000, 2002, 2004, 2006, 2008, and 2010 were tremendous successes with a sell-out attendance. Please join us for the 7th in a series.

Polyurethanes 2012

Advances in the Science of Polyurethanes

October 28 - 31, 2012 - Williamsburg, VA

WWW.POLYACS.NET

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Professor James McGrath
Virginia Tech
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Silicon Containing Polymers and Composites

December 9-12, 2012

Omni Hotel, San Diego California, USA

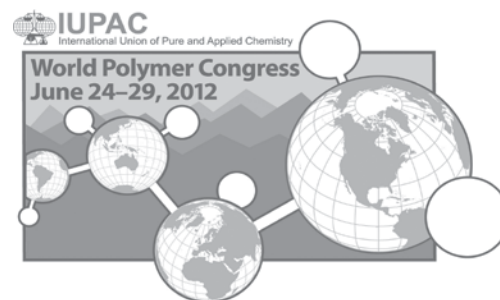
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Chair:

Dr. Joseph M. Mabry
Air Force Research Laboratory
Phone: (661) 275-5857
E-mail: joseph.mabry@edwards.af.mil

SESSION TOPICS

- Polysiloxane polymers & copolymers
- Sol-gel chemistry & polysilsesquioxanes
- Wetting-resistant surfaces & coatings
- Industrial elastomers & plastics
- Anti-fouling & anti-icing surfaces
- Fluoro-silicones
- Silicon-containing copolymers
- Bio-silification & bio-medical applications
- Nanocomposites
- Polyhedral oligomeric silsesquioxanes
- Silica, silicate, & silsesquioxane fillers
- Composites, hybrids, & interfaces
- Structure/property relationships
- Organosilicon chemistry
- Ceramics & glasses
- Adhesives



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Symposia

Recent Developments in Synthesis

Craig J. Hawker, University of California, Santa Barbara
Axel H. E. Müller, University of Bayreuth
Eric Drockenmüller, University of Lyon

Modern Methods of Characterization

Kathryn L. Beers, NIST-Polymers Division
Taihyun Chang, Pohang University of Science and Technology (POSTECH)

Surfaces and Interfaces

Thomas P. Russell, University of Massachusetts, Amherst
Jin Kon Kim, Pohang University of Science & Technology
Thomas Thurn-Albrecht, Martin-Luther-University Halle-Whittenberg

Macromolecules & Nanotechnology

Paula T. Hammond, Massachusetts Institute of Technology
Kookheon Char, Seoul National University

Macromolecules in Biotechnology & Medicine

Buddy D. Ratner, University of Washington
Julio San Roman del Barrio, Institute of Polymer Science and Technology, Madrid

Complex Macromolecular Systems

Timothy P. Lodge, University of Minnesota
Ludwik Leibler, ESPCI Paris Tech

Energy, Optics, & Optoelectronics

Stephen Z. D. Cheng, The University of Akron
Yong Cao, South China University of Technology

Sustainability Science & Engineering

Benny D. Freeman, The University of Texas at Austin
Anita Hill, The Commonwealth Scientific and Industrial Research Organisation (CSIRO)

Commercial Frontiers

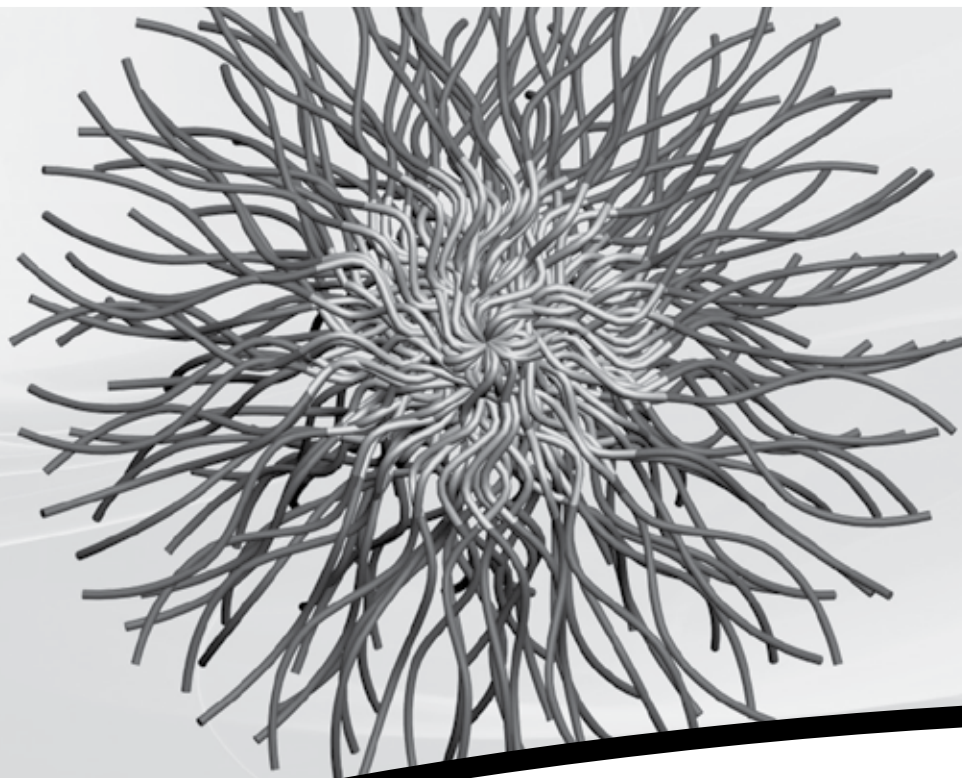
Karl W. Haider, Bayer MaterialScience LLC
Zhen-Zhong Yang, Institute of Chemistry, Chinese Academy of Sciences
Maurits van Tol, DSM Netherlands

Advances in Interdisciplinary Interactions

David A. Schiraldi, Case Western Reserve University
G. Julius Vancso, University of Twente
Toshio Nishi, WPI-AIMR Tohoku University

Polymer Physics

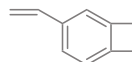
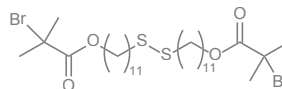
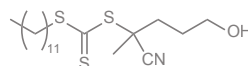
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Future ACS Meetings

243rd, March 25-29, 2012
San Diego, California
Theme: Chemistry of Life

244th, August 19-23, 2012
Philadelphia, Pennsylvania
Theme: Materials for Health & Medicine

245th, April 7-11, 2013
New Orleans, Louisiana
Theme: Chemistry of Energy & Food

246th, September 8-12, 2013
Indianapolis, Indiana
Theme: Chemistry in Motion

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

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

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

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

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

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

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

254th, September 10-14, 2017
St. Louis, Missouri

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

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

POLY/ACS National Meeting Activity

243rd ACS National Meeting, San Diego, CA
March 25-29, 2012

Program Chair Contact: Sheng Lin-Gibson
Overall Theme: Chemistry of Life

- Photo-Cleavable Polymers and Block Copolymers
- Polymers in Organized Assemblies
- Frontier in Polymer Characterization
- The 11th International Symposium on Biorelated Polymers
- Silicones VI
- Ion Containing Polymers
- Glycopeptide Polymers
- Poly(2-oxazoline)s and Related Pseudo-Polypeptide Structures
- General Topics: New Synthesis and Characterization of Polymers
- Electrospun Fibers from Renewable Materials (Joint POLY/PMSE/CELL)
- Federally Funded Polymers Research (Joint POLY/PMSE)
- Next Generation Renewable Polymers (Joint POLY/PMSE)
- Paul J. Flory Polymer Education Award
- Herman F. Mark Polymer Chemistry Award: Symposium in Honor of Krzysztof Matyjaszewski
- POLY/PMSE Plenary Lecture & Awards Reception
- Excellence in Graduate Polymer Research
- Undergraduate Research in Polymer Science
- Memorial Symposium in Honor of Samuel J. Huang

244th ACS National Meeting, Philadelphia, PA
August, 19-23, 2012

Program Chair Contact: Jeffrey Youngblood
Overall Theme: Materials for Health & Medicine

- Green Polymer Chemistry: Biocatalysis and Biomaterials
- Sustainable Packaging
- Energy and Materials
- Bioconjugate Polymers II
- Polymers at the Interface with Biology
- Ionic Liquids in Polymer Science
- Metal-Containing Polymers
- Computational Polymer Modeling
- Incorporation of Macromolecular Science/ Polymeric Materials into the Foundational Course in Organic Chemistry (Joint CHED/POLY/PMSE/Rubber)
- General Topics: New Synthesis and Characterization of Polymers
- Polymer Science of Everyday Things (Joint POLY/PMSE)
- Industrial Polymer Scientist Award
- DSM Innovation Science and Technology

Additional POLY Session Information

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

ACS National Meeting Polymer Preprints & Abstract Submission

Abstract Submission: The abstract submission process for the ACS meeting has changed. Abstracts should be submitted through the NEW online abstract submission system PACS (<http://abstracts.acs.org>), available at the ACS meetings page. Abstract submitters will now be recognized through their ACS ID and password, which will provide easier tracking of individual abstract submissions for the user. Abstracts will be maintained under the ACS user ID information, rather than under the record number system previously employed in PACS. Preprint submission is still required (see below), and preprints will be linked to abstracts through the ACS user ID information. As with any new web-based system, there are going to be problems with this first dry run. Please submit your abstracts early as opposed to near the deadline of October 19th.

Preprint Submission: An abstract *must* be submitted prior to submitting a preprint. The Division of Polymer Chemistry, Inc., in cooperation with the ACS Membership and Publications Divisions, now offers on-line preprint submission through PACS.

An electronic preprint should be prepared as a word processing document using the POLY Preprint Template available at the *Polymer Preprints* page (<http://uweb.txstate.edu/science/polymerpreprints/instructions.htm>). The word processing document file should not be submitted by e-mail; it must be submitted through PACS, at which time it will be automatically converted into PDF format and made viewable by the authors. Until the preprint submission close date, the authors may re-transmit as many revised drafts as necessary until the PDF document conforms to the required preprint format. After preprint submission close date, the PDF file will be reviewed on-line by the symposium organizer. Upon approval by the organizer, the preprint file will be forwarded to the preprint editors for final acceptance.

POLY Councilors' Report of the Denver ACS Meeting

by F. Blum, H. N. Cheng, B. Daly, & J. Pochan

At the Denver National Meeting (August 28-September 1, 2011), POLY was represented at the ACS Council by Bill Daly, H. N. Cheng, John Pochan, and Frank Blum. The following is an abbreviated account of selected activities that POLY Councilors are involved in. The full account can be obtained at <http://www.polyacs.org/915.html>.

Committee on Committees (H. N. Cheng): The Committee on Committees (ConC) is responsible for the effective and efficient operation of Council-related committees. In addition to regular reviews of committees, ConC handles several specific tasks in Denver, e.g.,

1. A reimbursement policy for non-councilors participating in committees was presented to the Committee on Budget and Finance and later approved by the Board. Starting in 2012, non-councilors serving in committees will be reimbursed at the rate of 50% of the Councilor travel reimbursement.

2. ConC gave its support, in principle, to convert the Senior Chemists Task Force to a committee; a number of documents are needed to move forward on this issue.

Meetings and Expositions Committee (M&E) (Bill Daly): Attendance in Denver was 10,019 and only 7,295 papers and posters were presented. Over 90% of the technical sessions were held in the convention center; POLY and PMSE were co-located in a hotel. In contrast, the Anaheim meeting was more successful from the point of view of attendance (14,151) and programming (9,411 papers and posters). The reviews on the Anaheim meeting site were excellent. However, ACS lost money on both the Anaheim and Denver meetings. A task force charged with reevaluating the method for calculating meeting registration fees has been formed. The early registration fees for 2012 have already been set at \$355.

An on-line digital program was available for the first time in Denver (see <http://denver2011onsite.acs.org/issue/39507>). A PDF version of the program or selected sections could be downloaded easily. The existence of an electronic program should reduce the need for printed programs at National meetings.

Divisional Activities Committee (DAC) (John Pochan): DAC approved 10 Innovative Project Grant (IPG) proposals totaling \$69,475. The committee will consider another set of IPG proposals at the 2012 San Diego Spring Meeting. To have your proposal considered by DAC in San Diego, please be sure to submit it no later than February 1, 2012.

The following themes have been chosen for upcoming national meetings:

- *Spring 2012 (San Diego): Chemistry of Life.
- *Fall 2012 (Philadelphia): Materials for Health and Medicine.
- *Spring 2013 (New Orleans): Chemistry of Energy and Food.
- *Fall 2013 (Indianapolis): Chemistry in Motion.

Electronic Distribution of Meeting Content Task Force (EDMC) (Bill Daly): At the Denver meeting approximately 550 presentations were recorded. Authors of about 65% of the papers designated for recording agreed to allow their talks to be posted. In addition to the thematic programming sessions, 32 divisions and committees provided content for recordings. The recorded talks including those from Anaheim are available at <http://www.softconference.com/ACSchem/>.

Committee on Economic and Professional Affairs (CEPA) (H. N. Cheng): Cheng serves as ConC liaison to this committee. At Denver the first ever fully integrated onsite and virtual career fair took place. It offered job seekers and virtual participants via webcam the opportunity to interact with each other and to connect with prospective employers and programs to sharpen their career skills. A new entrepreneurial initiative was established, including an educational program for beginning entrepreneurs and access to resources that are useful in the formation of new chemical companies.

Oversight Committee for ACS Fellows (Frank D. Blum): Blum serves as a member of the Oversight Committee for the ACS Fellows Program. This year 213 ACS members were named as Fellows and honored at a ceremony at Denver. To date there are 568 ACS Fellows.

Nominations can be submitted by ACS National Committees, Technical Divisions, Local Sections and individual members. **The window for submitting nominations for 2012 ACS Fellows will open towards the end of the first quarter of 2012.**

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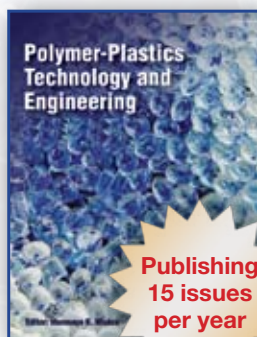
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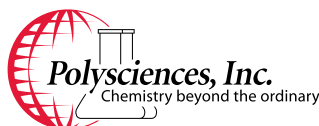
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