

Fall 2010

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Visit the POLY website at
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polymer



American Chemical Society

Division of Polymer Chemistry, Inc.

Editors: Kathryn L. Beers and Neta L. Byerly



Barry L. Farmer
2010 Chair

Craig Hawker, Rigoberto Hernandez, Len Interrante, Laura Kiessling, Dave Lohse, Jeff Moore, Donna Nelson, Michael Owen, Tom Pacansky, Attila Pavlath, John Sheats, Les Sperling, Michael Strem, Dave Tirrell, Tim Lodge, and Bob Weiss. Congratulations to ALL!

And speaking of Fellows.... Because of schedule changes in our process, the POLY Executive Committee has decided to extend the Nomination Period for POLY Fellows until November 30, 2010. Nomination information is available on the POLY homepage along with a list of POLY Fellows already recognized. Please consider nominating one of the outstanding POLY members that you know.

I am pleased to announce that the Executive Committee and DSM have agreed to create a new POLY-DSM Science and Technology Award to recognize outstanding graduate students and postdocs working on polymers in topical areas of interest to DSM. The award will be \$2000 plus an allowance up to \$500 for travel. The details of the eligibility requirements, selection criteria, selection process, and specific topics are being finalized now and will be available on the POLY website when complete. The first award will be presented at the Fall 2011 ACS National Meeting.

Of course, in addition to nominating worthy individuals for the new POLY-DSM Award, I encourage you to nominate worthy candidates for all the POLY Awards. These are: the Herman F. Mark Division of Polymer Chemistry Award, the Mark Scholars Program, the Carl S. Marvel Creative Polymer Chemistry Award, the Paul J. Flory Polymer Education Award, the Excellence in Graduate and Undergraduate Research Symposia, and Distinguished Service and Special Service Awards. In addition, the Industrial Advisory Board sponsors the Industrial Polymer Scientist Award, the POLY Graduate Student Travel Awards, and the Curriculum Development Award. Finally, POLYED provides the AkzoNobel Award for Outstanding Graduate Research, the ICI Student Award in Applied Polymer Science, and the Award for Excellence in High School or Junior High Teaching of Polymers. You can find these listed on the POLY website along with a list of previous winners.

You should have received (and hopefully have responded to) the electronic POLY Membership Survey that Mike and Maryann Meador and the POLY Membership Committee crafted. The Executive Committee truly values your input as to what you value from your POLY membership and what further benefits would be of greatest value to you. We will carefully consider all your inputs at our annual Winter Executive Committee Meeting and the results will help us shape our plans for future POLY activities and how we can best attract and retain members. (If you receive this newsletter but did not receive the survey, please contact the POLY Business Office to make sure they have your correct e-mail address.)

The POLY Executive Committee would very much like to see broader involvement of the membership in the operations of the division, and we are setting out to make more opportunities available for YOU to GET INVOLVED. We are going to be putting the leadership of our various committees on a fixed-term basis and implement a Chair, Vice-Chair approach (just as the POLY Chair-line operates), with the vice-chair being seen as the next chair of the particular committee. This will provide more opportunities for involvement AND make it clear that serving as a committee chair is a finite-term commitment. BUT, it will only work to the extent that YOU are willing to be an INVOLVED POLY member – so please step up!

Finally, the POLY Nominations Committee has identified an EXCELLENT slate of candidates who are willing to step up! We thank them

(continued on pg 8)



POLY Executive Dinner, ACS National Meeting, Boston, MA, August 2010



SHOCKING! AND TRUE!

Wyatt instruments have been cited in *more* peer-reviewed articles on absolute molecular characterization than all of our competitors *combined*. How can this be? Well, we *invented* the very first commercial multi-angle light scattering instruments more than 40 years ago, and haven't stopped advancing them since. We keep the United States Patent and Trademark Office busy. Fact is, no company has more PhD's devoted to the manufacture, service and support of light scattering instruments for absolute molecular characterization than we do. We fly every one of our customers to our headquarters in Santa Barbara* (all-expenses-paid) for three days of hands-on training with the very scientists who design, write the software, and service and support the instruments. Our customers leave comfortable in their ability to characterize macromolecules of all kinds. So they get back to their laboratories and do what most accomplished scientists do: they publish. To get the entire shocking truth about Wyatt instruments, go to wyatt.com/salon. No appointment is necessary.



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POLY Recognizes Outstanding Members!

The POLY/PMSE awards reception, held at the ACS National Meeting in Boston, MA, honored outstanding achievements by its members. 2010 POLY Chair, Barry L. Farmer, had the pleasure of congratulating this year's POLY award winners.

Special Service Award: POLY salutes its invaluable volunteer, Frank Blum, Oklahoma State University, in recognition of his contributions to the success of the POLY Web Site. Dr. Blum created the website in 1995 and served as the web master for 15 years. During this time he also created and continues to manage the POLY List Serv (electronic discussion list) providing a medium for distributing polymer related information. Dr. Blum has supported POLY in many offices including POLY Chair 1999, Chair-Elect 1998, Vice Chair 1997, and Secretary 1989-95, and was recognized as a POLY Fellow in 2010.

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 Boston, MA, ACS meeting were received by Corinne E. Lipscomb (University of Wisconsin-Madison) whose presentation was entitled "Development and Characterization of New Biodegradable Triblock Copolymers Based on Poly (Vinyl Esters)", and Huaxing Zhou (University of North Carolina at Chapel Hill) who presented his work on "Donor-Acceptor Polymers Incorporating Alkylated Dithienyl Benzothiadiazole".

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. Only members of the ACS and the Division of Polymer Chemistry who study at U.S. institutions are eligible for this travel award. For specific deadlines, award criteria, application instructions, and additional information on upcoming awards visit: <http://www.polyacs.org/membership/travelinst.shtml>.

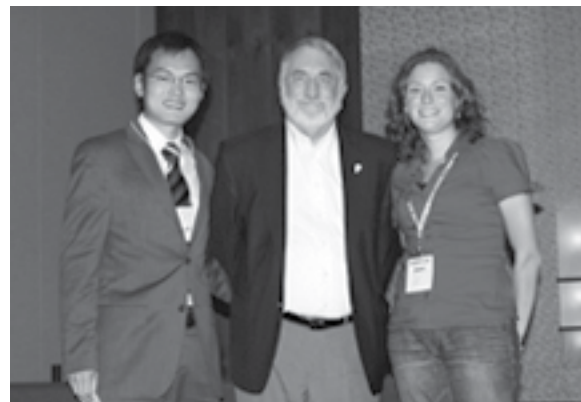
Plenary Lecture: The POLY/PMSE award reception featured an invited plenary lecture by Dr. David Mooney, Harvard University. His presentation title was, "Materials to Program Cells In Situ".

ACS Fellows: Barry Farmer congratulated the 2010 ACS POLY Fellows, William H. Daly, Alan D. English, Kathleen O. Havelka, Krzysztof Matyjaszewski, Judy Riffle, Joseph C. Salamone, and Dennis W. Smith, Jr. and the many other POLY members who were recognized by ACS.

The event was extremely well-attended and provided an opportunity to better recognize the excellence and community in our 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.



(left to right) Frank Blum (2010 Special Service Award) and Barry Farmer (POLY Chair)



(left to right) Huaxing Zhou (Student Awardee), Barry Farmer (POLY Chair) and Corinne Lipscomb (Student Awardee)



(left to right) Kristi Kiick (POLY Program Chair) and David Mooney (Plenary Lecture)

Upcoming POLY Award Deadlines

Upcoming Deadline - 11/1/10

Mark Scholars Award

Sponsored by: Elsevier

Purpose: To recognize excellence in basic or applied research and leadership in polymer science.

Three Mark Scholars will be awarded:

1. Mark Young Scholars: Under age thirty five
2. Mark Scholars: Ages thirty-six to forty-nine
3. Mark Senior Scholars: Age fifty or older

Upcoming Deadline - 11/1/10

Herman F. Mark Polymer Chemistry Award

Sponsored by: Elsevier

Purpose: To recognize outstanding research and leadership in polymer science.

Upcoming Deadline - 7/1/11

Paul J. Flory Polymer Education Award

Purpose: To recognize, encourage, and stimulate outstanding achievements by an individual in promoting undergraduate and/or graduate polymer education.

Nomination Instructions:

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

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

or contact: **Thomas Seery**, University of Connecticut
860-486-1337, thomas.seery@uconn.edu

Congratulations 2010 ACS Fellows

ACS induct 192 distinguished scientists into the 2010 class of ACS Fellows at the Fall National Meeting in Boston, MA. This is an honor bestowed upon scientists who have made outstanding contributions to both chemistry and to ACS. A complete listing of all ACS Fellows is available on-line at: <http://pubs.acs.org/cen/fellows/>.

POLY Nominated ACS Fellows



William H. Daly
Louisiana State University



Alan D. English
DuPont Central Research
& Development



Kathleen O. Havelka
Diversey, Inc.



Krzysztof Matyjaszewski
Carnegie Mellon University



Judy Riffle
Virginia Tech



Joseph C. Salamone
Rochal Industries



Dennis W. Smith, Jr.
University of Texas, Dallas

Additional POLY Members Selected to Receive 2010 ACS Fellow Recognition

Rigoberto C. Advincula
Judith L. Benham
Charles E. Carraher, Jr.
Judith Cohen
Darryl DesMarteau
Warren T. Ford
Jean M. J. Frechet
Craig J. Hawker

Rigoberto Hernandez
Leonard Vincent Interrante
Laura L. Kiessling
Timothy P. Lodge
David John Lohse
Jeffrey S. Moore
Donna J. Nelson
Michael J. Owen

Thomas J. Pacansky
Attila E. Pavlath
John E. Sheats
Leslie H. Sperling
Michael E. Strem
David A. Tirrell
Robert A. Weiss

Haifeng Gao Receives 2010 AkzoNobel Award for Outstanding Graduate Research in Polymer Chemistry

Award Sponsored by



(left to right) Rama Chandran, AkzoNobel Vice President and Haifeng Gao, Awardee

The recipient of the 2010 AkzoNobel Award for Outstanding Graduate Research in Polymer Chemistry is Dr. Haifeng Gao, who received his doctorate in 2008 from Carnegie Mellon University under the direction of Professor Krzysztof (Kris) Matyjaszewski, and is now a postdoctoral researcher in Professor Jean M. J. Fréchet's group at University of California, Berkeley.

Haifeng Gao's Ph.D. dissertation focused on the development of new synthetic methodologies for preparation of functional polymers with controlled architectures using atom transfer radical polymerization (ATRP) of divinyl crosslinkers with monovinyl monomers. The structure of the polymers can be varied from soluble stars containing a crosslinked core and linear radiating arms to highly branched copolymers and/or insoluble gels by simply changing the polymerization sequence of the monomer and the crosslinker. He devised a general method for synthesis of miktoarm star copolymers with controlled structures and freely varied arm compositions and arm ratios by one-pot crosslinking of a mixture of linear arm precursors, including both macromonomers and macroinitiators. These synthetic strategies are not limited to ATRP, but are generally applicable in other controlled polymerization techniques. The method provides easy access to various polymer nanomaterials that have tremendous promise in numerous specialty applications including drug delivery, coatings, cosmetics, healthcare, and lithography.

Dr Rama Chandran, Director, Polymer Technology said that it was a great privilege to present the AkzoNobel award in North America on behalf of their employees at the symposium held in honor of Dr. Haifeng Gao. Rama also indicated that Polymer Chemistry remains as one of the critical science platforms in AkzoNobel's innovation ambition in addressing our customer's needs for cost-effective and sustainable technology solutions. AkzoNobel is a global leader in decorative paints, the largest manufacturer of performance coatings and a major supplier of specialty chemicals. The Polymer Division would like to thank AkzoNobel for their continued sponsorship. The award is a joint POLY/PMSE event. The symposia was presented in the PMSE symposia this year and will be presented as a POLY award symposia in fall 2011.



Nominations for the 2011 AkzoNobel award are due by January 31, 2011. For additional submission details visit the POLY web site at WWW.POLYACS.ORG/259.HTML



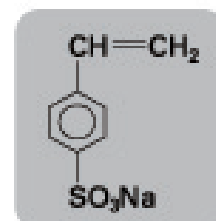
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Japan Patent: 3601222

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2010 POLY On-Line Election

The 2008 and 2009 on-line POLY elections were a huge success providing the largest voting turn-out in over 10 years with approximately 20% membership participation. POLY anticipates a repeat performance with our 2010 election. The 2010 candidate information is summarized below and will be posted including a bio and statement on-line at <http://ACS-POLY.vote-now.com/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.



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

1. Watch for the e-mail or postcard which will be sent 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 "2010 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.

2010 Election Slate

Candidates for Vice Chair



Rigoberto C. Advincula
University of Houston



Gregory N. Tew
University of Massachusetts-
Amherst

Candidates for Secretary



David S. Germack
Brookhaven National
Laboratory



Sarah Morgan
University of Southern
Mississippi

Candidates for Councilor



Frank D. Blum
Oklahoma State University



Diana J. Gerbi
3M Company

Candidates for Councilor



Jeffrey G. Linhardt
Bausch & Lomb



John M. Pochan
Cornell University

Candidates for Alternate Councilor



Kathryn L. Beers
Polymers Division, NIST



Stephen A. Miller
University of Florida

A deeper understanding of Polyolefins.

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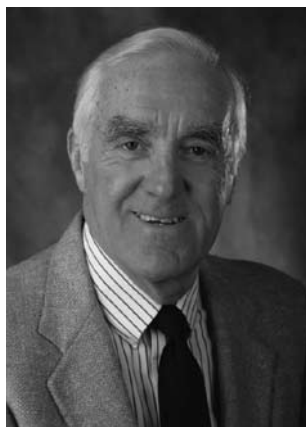
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IN MEMORIAM

Robert Lenz

Robert (Bob) Lenz, one of the founding members of the Polymer Science and Engineering Program at the University of Massachusetts, died Friday, July 2, 2010.

Bob, as he was known to all, was a distinguished polymer chemist who had worked in industry before joining the faculty at UMass Amherst in 1966 as one of the founding faculty of the Polymer Science and Engineering program. He retired in 1995.

As well as being an outstanding scholar, he was a remarkable mentor and distinguished educator. He is known for his pioneering work in liquid crystalline polymers and bacterial polymers. His textbook on polymer synthesis was translated into several languages and set the foundation for the teaching of polymer chemistry. He served for several years as editor of the leading journal of polymer science, *Macromolecules*.

A great-grandfather, Robert is survived by his wife, Madeleine, and his children Kathy Cunningham, Douglas Lenz, Cindy Goodman and Suzanne Lenz. He is also survived by his brother, Henry, seven grandchildren and one great grandchild. The family has established the Robert W. Lenz Memorial Scholarship fund that will be for the UMass Department of Polymer Science.

Submitted by Christopher Ober

Annual Treasurer's Report

Submitted by Mark Dadmon
POLY Treasurer

The table below outlines the summary and status of the 2010 budget with respect to the current income and expenditures through August 2010 and is compared to the end-of-year figures for 2009 and planned 2010 budget.

We continue to balance the budget and ensure that the expenditures are within the allocated figures agreed upon at the last 2010 Ex-Com meeting. Any questions may be directed to Mark Dadmun, POLY Division Treasurer, dad@utk.edu.

2010 Operating Budget Summary

BUDGET CATEGORY	2009 Actual		2010 Budget		2010 Actual to Date	
	Income	Expense	Income	Expense	Income	Expense
ACS Dues/Allocations/Awards	252,643	15,084	227,500	11,500	161,768	13,058
National Meetings Activities	48,923	142,857	64,000	153,000	47,324	75,181
Workshop Activities	224,437	136,149	60,000	48,000	76,285	21,248
Administrative		164,979		165,500		98,430
Publications & Advertising	42,400	60,022	57,000	60,500	27,537	31,200
Committee Activities	9,968	18,712	12,000	22,000	12,342	25,867
Total Budget	578,371	537,802	420,500	460,500	325,2567	264,984
Budget Delta		40,569		-40,000		60,272
Investment Balance		680,435				706,986

Chairs Message-continued

for their willingness to serve the division! They are listed in this newsletter. Please vote when the electronic ballot comes to your mailbox!

My roller-coaster ride as POLY Chair is not yet over but the end is in sight – the much-coveted Past Chair POLY pin awaits. I see Bob Moore and Joe Mabry waiting for their turns to ride in the front car, along with a great set of candidates ready to get on-board to lead POLY. We'll be in good hands!

Barry L. Farmer, 2010 POLY Chair

POLY University Chapters

What is a POLY Student Chapter?

- A student run organization at your school affiliated with the ACS Division of Polymer Chemistry
- A networking, social, and career development opportunity for students and post-docs in the polymer field

What are the benefits of starting a POLY Student Chapter?

- Network with graduate students, faculty, government lab, and industrial employees and administrators in professional and social environments
- Fund chapter events like seminars and group activities through support from the POLY
- Get involved in the governance and organization of POLY
- Attend and organize free food/drink socials at ACS National and Regional Meetings
- Organize symposia at ACS Meetings with other Student Chapters
- Access POLY Preprints, POLY Jobs site, Speaker's Bureau, Webinars, and POLY List Serve

How do I start a POLY Student Chapter?

- Visit the POLY Student Website to find guidelines for starting a chapter at your school at www.polyacs.org or contact Dr. Deanna Pickel (pickeldl@ornl.gov) or Dr. Matt Miri (mjmsch@rit.edu).

POLY Membership Drive

How Can POLY Members Participate?

- 1) Encourage your colleagues to join POLY on-line at polyacs.org
- 2) E-mail your name AND the prospective members name to KATHYL@VT.EDU
- 3) If your suggested member joins POLY by December 31, you will **receive a \$5 Starbucks coffee card** by mail.

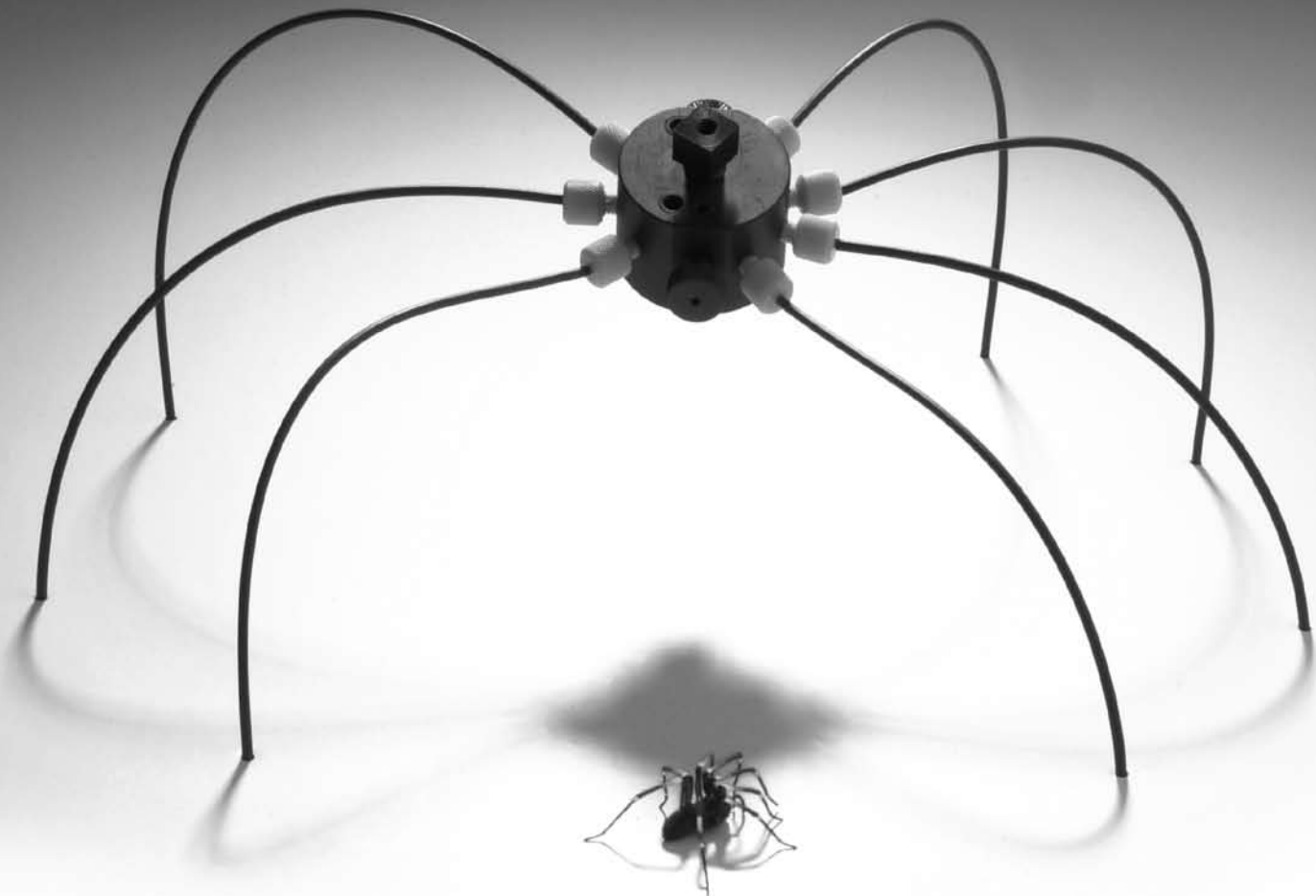
E-mail Discussion List

POLY - The Discussion List is available to all POLY Division members who have active internet electronic mail addresses. This list is created for exchange of information over e-mail.

To sign on or off, or change your e-mail address

- 1) Go to www.polyacs.org
- 2) Click on **"Poly Discussion List"**
(in left hand menu, under Member benefits)
- 3) Complete and submit the web site form.

Additional information about the list can be found at the web site.



The BI-MwA Molecular Weight Analyzer – it's small, tough and scares off the competition.

The Molecular Weight Analyzer from Brookhaven has all the outstanding qualities expected from an instrument that approaches polymer and protein characterization from every direction.

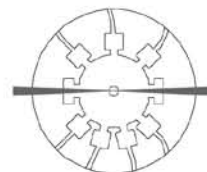
The fibers of the optical 'spider' gather scattered light from seven angles to determine the *absolute* molecular weight, size and shape of polymers and proteins. Even more detailed information can be obtained by integrating the MwA into a GPC/SEC system.

The only thing it can't do yet is spin webs.... but we're working on it.



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Upcoming Polymer Division Workshops

For Additional POLY Workshop Information
WWW.POLYACS.NET
or contact
Lesia Linkous, POLY Business Office
540-392-3042, LESIAR@VT.EDU

Silicon-Containing Polymers and Composites



December 11-14, 2010
Saturday-Tuesday
Omni Hotel
San Diego, California USA

WWW.POLYACS.NET

Chair:

Dr. Joseph M. Mabry
Air Force Research Laboratory
Propulsion Materials and Applications
Edwards AFB, CA 93524

Phone: 661-275-5857 E-mail: joseph.mabry@edwards.af.mil

Session Topics:

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

Advances in Materials for Proton Exchange Membrane Fuel Cells Systems



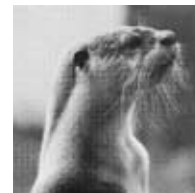
Asilomar Conference Grounds
Pacific Grove, California, USA
February 20 - 23, 2011

WWW.POLYACS.NET

Co-Chairs

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Advances in Materials and Processes for Polymeric Membrane Mediated Water Purification



February 27 - March 2, 2011
Asilomar Conference Grounds
Pacific Grove, California USA

WWW.POLYACS.NET

Co-Chairs

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Judy Riffle
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E-mail: judyriffle@aol.com

Polymers in Medicine and Biology

September 2-5, 2011
Hilton Sonoma Wine Country
Santa Rosa, California USA

WWW.POLYACS.NET

Organizers:

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Fax: 732-445-7036
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Topics of Interest

- Synthesis of biomedical polymers
- Clinical application of biomedical polymers
- Commercial development of Biomaterials
- Surface modification
- Controlled release
- Biomolecule absorption and immobilization
- Biomedical Polymers in Global Health
- Environmentally sensitive polymers
- Polymer nanotechnology
- Biodegradable polymers
- Tissue engineering and scaffolds
- Diagnostics, sensors and arrays
- Non-fouling surfaces
- Other topics relevant to biomedical polymers



Advances in Polyolefins: 2011

September 25-28, 2011

Hilton Sonoma Wine Country
Santa Rosa, California USA

WWW.POLYACCS.NET



Workshop Organizers

Dr. Pal Arjunan
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Polyolefins Catalysts Division
Global Business Development Director
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Prof. James E. McGrath
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Macromolecules & Interface Institute
and Department of Chemistry
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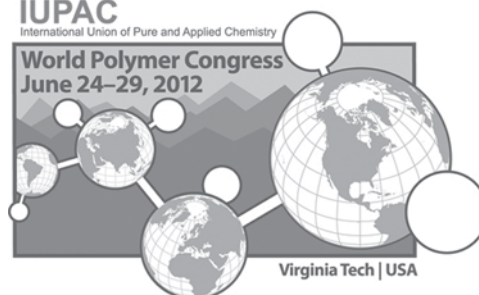
Session Topics:

- Polyolefins Catalysis/Processes
- Advanced Characterization Tools/
Techniques
- Solid State Structure/Properties/
Mechanical Behavior
- Stabilization
- Blends/Alloys/Composites
- Applications/Markets
- Environmental Compatibility
- Recycling/Sustainable
Development/Biodegradation

IUPAC

International Union of Pure and Applied Chemistry

World Polymer Congress
June 24-29, 2012



Virginia Tech | USA

For additional information:
WWW.MACRO2012.ORG
or contact Dr. Timothy Long, Virginia Tech,
Phone: 540-231-2480 E-mail: telong@vt.edu

Polycondensation 2012

September 16 – 19, 2012
San Francisco USA

Co-Organizers:

Timothy E. Long, Virginia Tech
e-mail: telong@vt.edu

James L. Hedrick, IBM Almaden
e-mail: hedrick@almaden.ibm.com



ACS - Pacifichem 2010 International Chemical Congress of Pacific Basin Societies

Honolulu, Hawaii
December 15-20, 2010

POLY SPONSORED SESSIONS

Chemistry and Functional Properties of Soft Interfaces (#42)

Symposia Organizers: Atsushi Takahara, Kazue Kurihara, Kenneth Wynne, Kookheon Char, Mizuo Maeda, Zhaohui Su, Gregory G Warr

Controlled/Living Radical Polymerization: Mechanisms, Catalysts, Reaction Engineering, Materials and Applications (#236)

Symposia Organizers: Shiping Zhu, Bo-Geng Li, Krzysztof Matyjaszewski, Takeshi Fukuda, and Michael Monteiro

Functional Block Copolymer Assemblies (#57)

Symposia Organizers: Timothy Lodge, Marc Hillmyer, Charles Han, Joona Bang, and Yushu Matsushita

Hybrid Conjugated Polymer Materials (#82)

Symposia Organizers: Michael O. Wolf, Suresh Valiyaveetil, Rigoberto Advincula, and Kimihisa Yamamoto

NMR Spectroscopy of Polymers: Innovative NMR Strategies for Complex Macromolecular Systems (#12)

Symposia Organizers: Tetsuo Asakura, Alan English, H.N. Cheng, Fumitaka Horii, Peter Macdonald, Andrew Whittaker, Hans W. Spiess, and Jeffery White

Nano Structure and Function of Organic-Inorganic Hybrid Polymers (#152):

Kimihiro Matsukawa, Kensuke Naka, Ikuyoshi Tomita, Chang-Sik Ha, Frieder Jaekle

Polymer Nano-Hybrids at Bio-Interfaces (#127)

Symposia Organizers: Yoshiki Chujo, Kenneth Wynne, Kathryn Uhrich, and Chang-Sik Ha

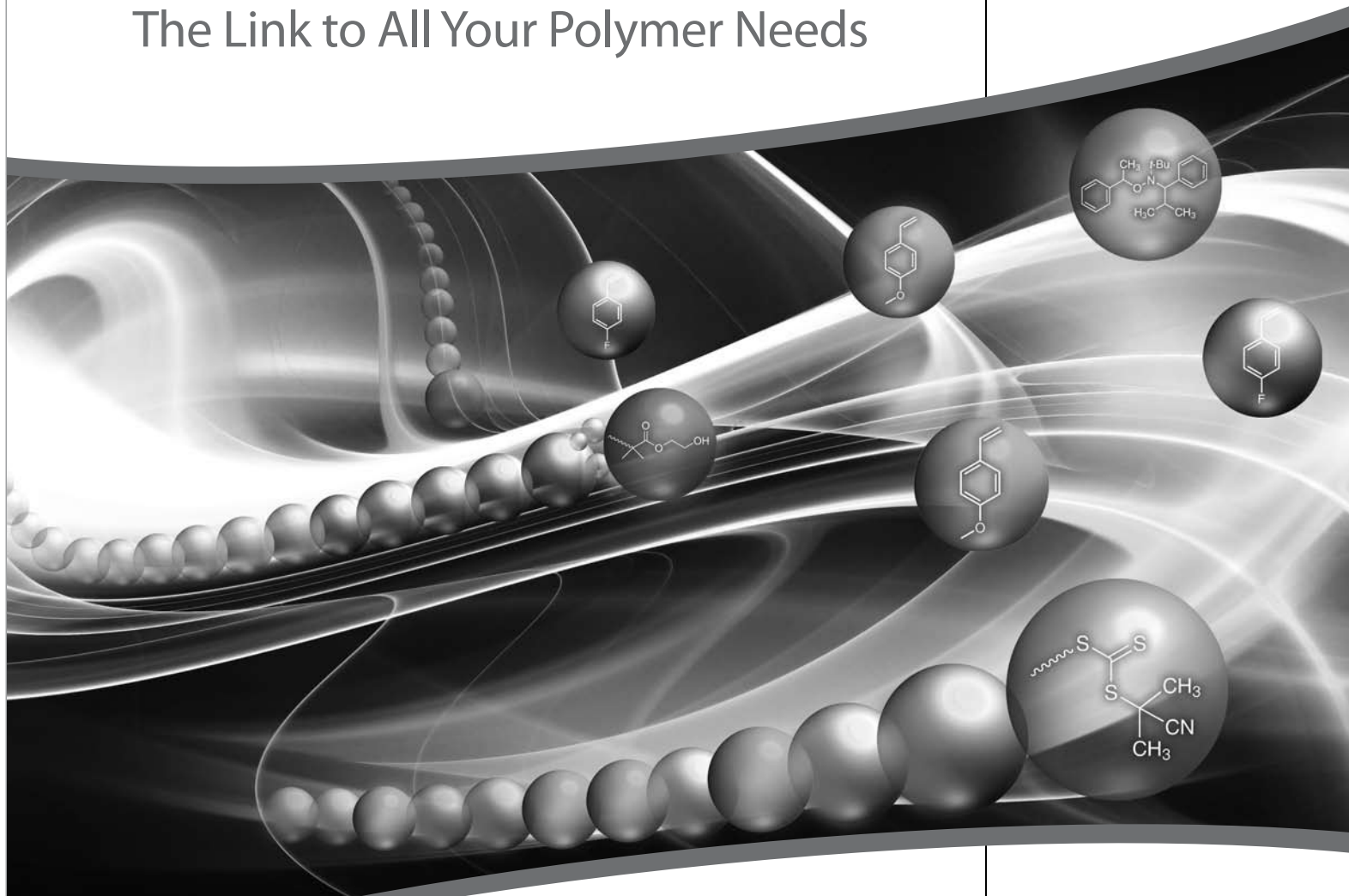
Polyolefins Chemistry and Beyond - From Bench to Commercial Scale (#211)

Symposia Organizers: Fazle Sibtain, Robert Waymouth, Kyoko Nozaki, and Michael Chan

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topics on-line at:
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POLY/ACS National Meeting Activity

Future ACS Meetings

241st March 27–31, 2011
Anaheim, California

242nd Aug. 28–Sept. 1, 2011
Denver, Colorado

243rd March 25–29, 2012
San Diego, California

244th August 19–23, 2012
Philadelphia, Pennsylvania

245th April 7–11, 2013
New Orleans, Louisiana

246th September 8–12, 2013
Indianapolis, Indiana

247th March 16–20, 2014
Dallas, Texas

248th August 24–28, 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

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

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

241th ACS National Meeting, Anaheim, CA

March 27–31, 2011

POLY Program Chair Contact: Greg Tew (tew@mail.pse.umass.edu)

Overall Theme: Chemistry of Natural Resources

- Aerogels, Foams, and Nanoporous Materials
- Biobased Monomers, Polymers, and Materials
- Bioinspired Self-Assembly of Macromolecules (co-sponsored with PMSE)
- Carl S. Marvel Creative Polymer Chemistry Award
- Excellence in Graduate Polymer Research
- General Topics in the Design, Synthesis, and Characterization of Polymers
- Nanoscience in Polymer Chemistry
- New Synthetic Developments in Polyolefins and Metathesis-Based Polymers
- Polymers for Energy Storage and Delivery
- Polymers for Molecular and Biomolecular Recognition
- Robert W. Lenz Memorial Symposia (co-sponsored with PMSE)
- Undergraduate Research in Polymer Science

242th ACS National Meeting, Denver, CO

August 28–September 1, 2011

POLY Program Chair Contact: Jeff Linhardt (jeffrey_linhardt@baush.com)

Overall Theme: The Chemistry of Air, Space, and Water

- Advanced Materials for Water Purification
- Advances in Polymer Composites
- Aerospace Applications of Polymers
- Akzo Nobel Award for Outstanding Graduate Research in Polymer Chemistry
- Biomimetic Polymers
- Conjugated Polymers and Photovoltaics
- DSM Science & Technology Graduate Student Award
- General Topics in the Design, Synthesis, and Characterization of Polymers
- International Year of Chemistry Symposium: Controlled Radical Polymerization
- International Year of Chemistry Symposium: Fluorine-Containing Polymers
- Metal-Containing and Metallo-Supramolecular Polymers and Materials IV
- Nanoscience Challenges in the Chemical and Polymer Industries
- Polymer Coatings for the Environment, Energy, and Sustainability

POLY SESSION INFORMATION

<http://www.polyacs.org/main/natlmeet.shtml>

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Poster Session

To enhance exposure for poster participants, posters will be presented during the day in the POLY Hotel in a joint POLY/PMSE poster session.

ACS National Meeting Polymer Preprints & Abstract Submission

Abstract Submission: The abstract submission process for the ACS meeting has changed in the last year. 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 18th.

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 Boston ACS National Meeting

At the Boston National Meeting (August 22-26, 2010), POLY was represented at the ACS Council by Bill Daly, H. N. Cheng, John Pochan, and Diana Gerbi. The following account summarizes some selected activities in the committees and groups that POLY Councilors are involved in.

Division Activities Committee (DAC)/MPPG (John Pochan)

Divisional Activities Committee (DAC) approved 15 Innovative Project Grant (IPG) proposals from 13 divisions totaling \$102,400. DAC will consider another set of IPG proposals at the Anaheim national meeting in March. In order to have their proposals considered by DAC in Boston, divisions must submit them no later than February 1.

Operating as a DAC subcommittee, the Multidisciplinary Program Planning Group (MPPG) has approved the following themes for upcoming national meetings:

- For the Spring 2013 meeting in New Orleans: "Chemistry of Energy and Food"
- For the Fall 2013 meeting in Indianapolis: "Chemistry in Motion"

As a reminder, the theme for the 2011 national meeting in Anaheim is "Chemistry of Natural Resources."

Progress is being made to improve the Program and Abstract Creation System (PACS), which has proven to be difficult for a significant number of division program chairs and session organizers to use to organize the San Francisco and Boston meetings. The majority of the shortcomings in this software have been fixed already, and nearly all of them will be ameliorated in time for use in organizing the Spring 2011 meeting in Anaheim. Face-to-face training sessions for the revised version of PACS are being held here in Boston with program chairs and session organizers, and a number of webinars will be run throughout the fall. DAC will closely monitor this matter.

Committee on Meetings & Expositions (M&E) (Bill Daly)

The Boston meeting was successful from the point of view of attendance (over 14,059) and programming (7,960 papers and posters). The attendees included 8,211 regular attendees, 3,230 students and 1,492 exhibitors. Over 90 % of the technical sessions were held in the convention center. In contrast, the San Francisco meeting (Spring 2010) was even more successful, with a registration of 18,064 attendees including 10,201 regular attendees, 5,714 students and 1,223 exhibitors. The reviews on the San Francisco meeting were exceptional: greater than 95% of the participants recommended that we return to San Francisco. In Anaheim (March 2011) the Sunday Exposition hours will be dropped at the meeting.

Electronic Distribution of Meeting Content Task Force (EDMC) (Bill Daly)

At this meeting close to 400 of presentations were recorded. Authors of about 60% of the papers designated for recording agreed to allow their talks to be posted. Anyone who registered for the meeting will have access to the talks recorded in Boston talks after September 10, 2010. General public access to these talks will be opened on September 24, 2010. The recorded talks including those from San Francisco are available to at www.softconference.com/ACSSchem/. EDMC plans to discuss the prior publication concerns regarding posting of meeting content with editors of ACS journals and a financial model to support the program.

Society Committee on Education (SOCED) (H. N. Cheng)

SOCED aims to inform and guide the ACS on science education and policy issues, and support the development and implementation of education activities of the ACS and its Education Division. Some relevant topics discussed at Boston are given below:

- 1) A survey of high school chemistry teachers has been conducted to assess the need for and interest in a national association of high school chemistry teachers.
- 2) An effort is being made to determine the possibility of engaging and supporting two-college programs. A survey has just been conducted on two-year college faculty. (Note that an earlier 4-year college faculty survey was conducted in 2009.)
- 3) SOCED approved a revised policy statement on scholarship. A revised policy statement on science education is underway.

Other topics included promotion of green chemistry in educational curricula, Chemistry Olympiad, and update of Education Division activities.

Senior Chemists Task Force (SCTF) (H. N. Cheng and Bill Daly)

At Boston the Senior Chemists Breakfast had a full-house audience with Nobelist Roald Hoffmann as the speaker. He spoke on "Ethics and Science, a Marriage of



Necessity and Choice for the New Millennium." In addition, there were three other scheduled events:

1) Symposium on Senior Chemists Interface with Local, State, and National Government, cosponsored by PROF;

2) Symposium on "Connections to Germany and Europe: Education and Research Opportunities", cosponsored by CHED;

3) Medicare Supplement Workshop, cosponsored by ACS Member Insurance Board of Trustees. Eli Pearce is the Task Force chair and George Heinze co-chair. If you are interested in getting involved, please let Bill Daly or H. N. Cheng know.

Industrial Advisory Board (IAB) (Diana Gerbi)

The Industrial Advisory Board met on August 24, 2010 at the Boston ACS Meeting. The group's mission is to bring strategic amplification of the ACS Polymer Division's industrial voice in programming, education and award recognition. A new POLY student award, sponsored by DSM, has been approved. A report on the 8th National Graduate Research Polymer Conference held the University of North Carolina at Chapel Hill, June 6-9, was presented. Results of the IAB member companies' survey were reviewed to determine how POLY can be of value to industrial members. Data will be used to identify and initiate changes in programming and networking. This survey will serve as a base for constructing a larger POLY member survey.

Other Items of Interest

1) At Boston, the Board of Directors voted to approve an advance member registration fee of \$355 for national meetings held in 2011.

2) The number of Student Members at ACS was 12,815 as of July 31, 2010.

3) The ACS Council voted to continue the Committee on Science, pending approval by the Board of Directors.

4) The ACS Leadership Development System (LDS) offers many courses on leadership training. Anyone interested can sign up to take them at www.acs.org/leaderdevelopment.

5) John Pochan will serve as Chair of Division Activities Committee in 2011; H. N. Cheng has been elected by Council to serve in Committee of Committees in 2011.



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To post items on the web site contact
Christine Landry-Coltrain
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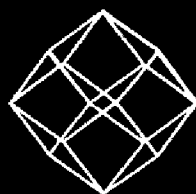
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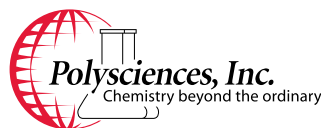
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