



polymer



American Chemical Society

Division of Polymer Chemistry, Inc.

Editors: Kathryn L. Beers and Neta L. Byerly



Eric Amis
2008 Chair

Chair's Message

In July my wife and I took a vacation. This typically isn't remarkable, and surely it is not something to remember in the POLY newsletter, especially with nothing bad to report. We had a great time backpacking for five days in the High Sierra backcountry of Yosemite

National Park. With my most selective memory I can report that the views were fantastic and the climbs, which at times seemed to go forever, were not so bad. So why am I telling you about my summer vacation?

There was no cell phone service and no Internet! I was cut off for five days. This sounds like heaven to some people, and in some ways it was wonderful, but it was also an extreme shock. The Internet and ubiquitous communication have changed nearly everything we do. In this newsletter I am pleased to discuss how POLY is using and will be changed by the use of new communication technologies. We can also foresee opportunities to take even greater strides to serve our members.

As you know, beginning this fall with the Philadelphia meeting, we moved to fully electronic publication and distribution of Polymer Preprints. These short papers are distinctive for POLY and although some people prefer to avoid writing them at submission time, surveys say that members use them. Now they will be even more useful and available. In the progression from paper to CD to the Internet, the accessibility of preprints and the value added by technology continues to increase. Soon this ease of access will be extended to content from all past CD issues and eventually our shelves of paper will yield.

The next change starts with our move to electronic voting. You may not be aware how few members vote in POLY elections. Typically we are happy to get 10% turnout – only a few hundred votes are cast and races decided on the basis of 10's of votes. The universal experience when organizations start electronic balloting is an increase in participation. Voting is the easiest way to make your voice heard and the Executive Committee hopes electronic voting will encourage many more members to participate.

We also are making some transitions in the ways we already use Internet communications. For many years Frank Blum has provided excellent services with POLY List and POLY Website – both of which are broadly used by members. We want to expand our use of these modes. As an addition to POLY List we have begun, very selectively, to send out "all member" emails. This won't replace the listserver, but it will reach the broader membership. Frank and Exec Comm have also begun to transition the POLY Website to a service with new capabilities and less burden on volunteers. Watch for this transition in the next few months.

What else is in store? We have begun to introduce selective distribution of symposia talks via the web. We expect some tutorial sessions will make the transition. Some of our "talent" has volunteered for ACS podcast projects. We have discussed setting up a U-Tube channel so poster presenters at meetings can promote their posters in our coffee rooms or during breaks in oral sessions. Soon we may invite you to visit POLY in Second Life.

If you think these are crazy ideas, I have a great mountain top campsite to recommend.

-- Eric Amis, 2008 POLY Chair

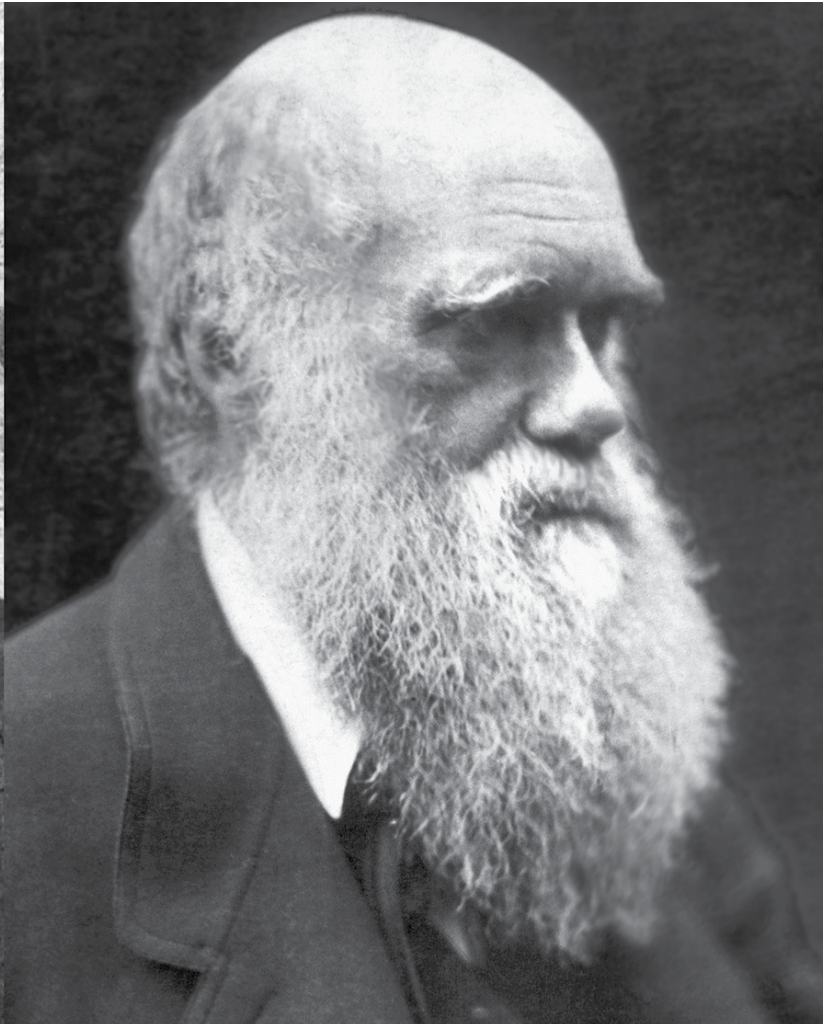


The POLY Executive Dinner, ACS National Meeting, Philadelphia, August 2008

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POLY Recognizes Outstanding Members!

The POLY/PMSE awards reception held at the ACS National Meeting in Philadelphia, PA, honored outstanding achievements by its members. 2008 POLY Chair, Eric Amis, had the pleasure of congratulating this year's POLY award winners.

2008 Flory Education Award: Frank N. Kelley is the recipient of the 2008 Paul J. Flory Polymer Education Award. He is Dean Emeritus of the College of Polymer Science and Polymer Engineering and Professor Emeritus of Polymer Science at The University of Akron in Akron Ohio. Rohm and Haas Company sponsors the award to recognize, encourage, and stimulate outstanding achievements by an individual in promoting undergraduate and/or graduate polymer education. Eric Amis, 2008 Chair of the Division of Polymer Chemistry presented Dr. Kelly the award at the ACS Philadelphia meeting.

2008 Industrial Polymer Scientist Award: The recipient of the 2008 Industrial Polymer Science Award is S. Richard Turner. Dr. Turner is a Research Professor and Director of the Macromolecules and Interfaces Institute at Virginia Tech in Blacksburg, Virginia. The award is sponsored by the Industrial Advisory Board and was presented by their Co-Chair, Robert S. Moore. This award is in recognition of Dr. Turner's outstanding industrial innovation and creativity in the application of Polymer Science.

2008 National Starch and Chemical Award: Nicolay (Nick) Tsarevsky received the 2008 National Starch and Chemical Award. Dr. Tsarevsky received his doctorate in 2005 from Carnegie Mellon University under the direction of Professor Krzysztof (Kris) Matyjaszewski. The award was presented during a special symposium held during the ACS meeting in Philadelphia. The award is administered by the Polymer Education Committee of the Polymer Chemistry and Polymeric Materials Science and Engineering Divisions. The National Starch and Chemical Company sponsored this award to recognize and encourage outstanding graduate research in polymer science and engineering.

The Heroes of Chemistry in Materials Advanced Applications

Symposium: This special symposium was held on Monday, August 18th at the Sheraton Philadelphia City Center Hotel. The symposium and reception honored previous winners (from 1998-2006) of the prestigious *ACS Heroes of Chemistry Award* that have made significant contributions in polymer and materials area.

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.

POLY Received 2008 Chem Luminary Award



The Polymer Chemistry Division received the "Outstanding Collaboration Between a Local Section and Division Award" with the North Jersey Local Section. The Award was presented as part of the Chem Luminary Awards at the ACS Meeting in Philadelphia. Leaders of the Polymer Division and North Jersey Local Section joined forces to successfully revitalize a Polymer Topical Group in New Jersey by organizing a community of chemists around a first-rate and well-attended symposium on Green Polymers.

(left to right) Alan Cooper, Chair of the Joint LSAC/DAC/M&E Working Group; Eric Amis, 2008 Polymer Chemistry Division Chair; William H. Suits, North Jersey; and Tom Lane, ACS President Elect.



(left to right) Eric Amis and Frank Kelley
2008 Flory Education Award



(left to right) Robert S. Moore, Richard Turner, and Eric Amis
2008 Industrial Polymer Scientist Award



(left to right) Nicolay Tsarevsky, awardee, and Rama Chandran,
National Starch and Chemical Co.
National Starch and Chemical Award for Outstanding Graduate
Research in Polymer Chemistry



DeSimone Receives Lemelson-MIT Prize

Congratulations to fellow POLY member and long term contributor to the Polymer Chemistry Division, Prof. Joseph M. DeSimone, on being awarded the 2008, \$500,000 Lemelson-MIT Prize, "For his pioneering inventions, lab-to-marketplace entrepreneurship and commitment to mentorship." The Lemelson-MIT Program recognizes outstanding inventors, encourages sustainable new solutions to real-world problems, and enables and inspires young people to pursue creative lives and careers through invention.

Past recipients of this prestigious award include POLY member, Prof. Timothy Swager. This and other recent outstanding recognition of our members exemplifies the continued growth and impact of polymer science as an enabling field in critical technologies of our day.

For additional information please visit: <http://web.mit.edu/newsoffice/2008/lemelson-500k-0625.html>

Hawker Receives DSM Performance Materials Award

Craig J. Hawker, Professor of Chemistry, Biochemistry and Materials and Director of the Materials Research Laboratory at the University of California, Santa Barbara, has been awarded the 50,000 Euro DSM Performance Materials Award 2008 in recognition of his exceptional contributions to the advancement of materials chemistry. Professor Hawker is one of the world's leading scientists in the field of polymeric performance materials and polymer synthesis. He credits this award to his outstanding students and exceptional, multi-disciplinary collaborations with internationally renowned groups.

For additional information: http://www.dsm.com/en_US/html/media/press_releases/36_08_DSM_Performance_Materials_Award_2008.htm



Vogl Recognized with Plaque at his 80th Birthday Celebration

Article Correction



In our recognition of Prof. Vogl in the Spring 2008 Newsletter, POLY mistakenly sited Vienna, Austria as Professor Vogl's birthplace, when he was in fact born in Traiskirchen in Lower Austria, south of Vienna.

POLY Award Information

Upcoming Deadline - 11/1/08

Herman F. Mark Polymer Chemistry Award

Sponsored by: Elsevier

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

Upcoming Deadline - 11/1/08

Herman F. Mark Scholars Award

Sponsored by: Elsevier

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

Upcoming Deadline - 7/1/09

Paul J. Flory Polymer Education Award

Sponsored by:

Rohm and Haas Company

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

Carl S. Marvel Creative Polymer Chemistry Award

Sponsored by:

Rohm and Haas Company

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

Industrial Polymer Scientist Award

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

Nomination Instructions:

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

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

or contact:

Robert B. Moore

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and

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POLY Preprint

Go On-line

The Polymer Preprint Vol. 48 #2 is now available online at: <http://submissions.miracdc.com/acspolymer> or go to www.polyacs.org and click on publications. At this link you will have access to the content previously available on the CD version. You can search by title, author, or symposium. You can print or download individual preprints or the entire set for a symposium.

The POLY Business Office will have a few CDs for those that specifically need them at a cost of \$5 to members. If you are interested in purchasing the CD, please contact Kathy Mitchem at KATHYL@VT.EDU or 540-231-3029.

POLY PREPRINTS ONLINE

<http://submissions.miracdc.com/acspolymer>
or
www.polyacs.org

POLY Elections Going On-Line

The POLY Elections will be held on-line this fall for the first time. The election website will be open from November 1-15, 2008. During the month of October, eligible voting members will receive an e-mail or postcard containing a personal access code which will provide access to the voting website. If you have any questions or need assistance please contact KATHYL@VT.EDU.

The slate of candidates (listed below) has been selected by the nominating committee under Dr. Kathleen Havelka, and approved by the Executive Committee. Statements from the nominees can be found included with this mailing.

POLY Election Slate

Vice-Chair:

Robert B. Moore, Virginia Tech
Richard M. Laine, University of Michigan

Alternate Councilor:

Rigoberto Advincula, University of Houston
Mark D. Watson, University of Kentucky

Treasurer:

Janelle Hampton, Altria/Philip Morris, USA
Mark Dadmun, University of Tennessee

Alternate Councilor:

Mary Ann Meador, NASA Glenn Research Center
Alfred J. Crosby, University of Massachusetts

Councilor:

William H. Daly, Louisiana State University
Rigoberto Hernandez, Georgia Tech

Alternate Councilor:

Christine Landry-Coltrain, Eastman Kodak Company
William D. Coggio, 3M Company

The 2008 Ballot will also include a referendum on significant revisions to the Division's Bylaws to more broadly define modes of communication with the membership, clarify Officer job descriptions and proper procedures for bylaw changes, and to be consistent with the Charter, Constitution, and Bylaws of the ACS. Please vote in November.



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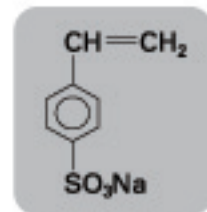
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POLY Councilors Report from the Philadelphia Meeting

At the Philadelphia National Meeting (August 16-21, 2008), POLY was represented at the ACS Council by Bill Daly, H. N. Cheng, John Pochan, and Greg Tew. An overview of the meeting has appeared in p.8 of C&EN, 8/25/08. The following account summarizes some selected activities in the committees and groups that POLY Councilors are involved in.

Division Activities Committee (DAC) - John Pochan: The Council voted, as recommended by the DAC, to accept a revised division funding (allocation) formula. DAC reported that the formula improves clarity, offers simplicity, and rewards collaborative programming between divisions. The change will take effect in 2009 for 2008 activities. The formula will reward cooperative or joint programming for divisions. The effect on POLY's total allocation should be minor.

The Council also voted to approve the formation of the Probationary Division of Catalysis Science and Technology. The primary objective of this probationary division is to provide a "home" for the chemical science of catalysis within the ACS in a way that will also insure a continual connection between this science and the essential chemical technology of catalysis.

Multidisciplinary Program Planning Group (MPPG) – John Pochan: Themes, or tentative themes, for the national meetings have been identified through Spring 2012. These are:

Spring 2009, Salt Lake City

Confirmed Theme: Nanoscience: Challenges for the Future
Tentative Subthemes: Nanolithography, Nanotoxicology, Nanomachines, Nanomedicine and Nanomaterials/Analysis

Fall 2009, Washington DC

Confirmed Theme: Chemistry and Global Security: Challenges and Opportunities
Tentative Subthemes under consideration: Chemistry of CO₂ and Climate Change, Chemical and Biological Terrorism Defense, Forensic Tools and Methods, Imaging Technologies and Applications

Spring 2010, San Francisco

Confirmed Theme: Chemistry for a Sustainable World

Fall 2010, Boston

Confirmed Theme: Chemistry for Preventing and Combating Disease

Spring 2011, Anaheim

Tentative Theme: Chemistry of Natural Resources
Tentative Subthemes: Feeding a Hungry World, Natural Product Chemistry, Chemistry of Natural Materials

Fall 2011, Denver

Tentative Theme: Chemistry of Air, Space, and Water

Spring 2012, San Diego

Tentative Theme: Chemistry of Life
Tentative Subthemes: Systems Biology, Neurochemistry

NOTE: If you feel anyone in POLY would be a good choice to serve as the thematic program chair at any of these meetings please contact John Pochan (johnpochan@hotmail.com), chair, MPPG.

Committee on Meetings & Expositions (M&E) - Bill Daly and H. N. Cheng: The Meetings and Exposition Committee authorized a pilot program to open the 2009 expositions on Sunday evening between 6:30-8:30 PM with a welcome reception and open show hours. Although the goal was to open the exposition at hours that do not compete with oral sessions, the new exposition hours do overlap with our current Sunday evening poster sessions. Further, on Sunday evening a Plenary Session associated with the thematic programming topic will be presented in the Convention Center from 5 - 6 PM. The POLY programming committee has been apprised of these developments and they are considering possible options.

M & E is still very concerned with the number of "no-shows", particularly at the poster session where more than 10% of the presentations are missing. An ACS staff member is recording "no-shows" and non-presentations where a poster is up but no one is there to discuss it. A remedy under discussion is removing abstracts of papers submitted but not presented from the CAS records. The names of

individuals who repeatedly fail to make presentations will be forwarded to session chairs to allow them to take appropriate action.

The meeting in New Orleans received favorable reviews. For those ultra-long range planners, we will go back to New Orleans in Spring 2018. A particular emphasis has been (and will be) placed on "green" meetings, minimizing waste and encouraging recycling.

Net income from national meetings is declining; in fact in 2007, the excess revenue over expenses was negative. The change was partially due to accounting changes as more overhead is charged to each meeting. Next year the national meeting registration fee will be \$340; the increase was calculated on the ratio of CPI 2007 to the CPI of 2006.

Committee on Committees (ConC) – H. N. Cheng: At its meeting, ConC developed its recommendations for appointments to all Council, Society, and Joint Board-Council committees for consideration by the President-Elect and the chair of the board of directors. ConC has also agreed to form a joint Board-ConC Action Enablement Team to examine the reporting alignment of ACS Council-related committees and recommend changes in their categorization as needed.

ConC has approved the formation of a Task Force on Senior Chemists. The purpose is to serve as a focal point for senior members, to organize talks, events and activities targeted for their interests, and to give these members a greater sense of inclusion in the ACS.

Committee on Nomenclature, Terminology, and Symbols (NTS) – H. N. Cheng: This committee strives to provide leadership in nomenclature and coordinate its work with other national and international organizations on nomenclature, particularly with respect to ACS publications. Two of the current activities are the re-definition of the kilogram, and nanotechnology terminology. For more information, visit their website at <http://membership.acs.org/N/NOME>.

POLYED Needs Your Ideas!

With considerable assistance from the polymer community, the POLYED Committee has spearheaded the interactions with the ACS Committee on Professional Training to make macromolecules a part of undergraduate chemistry education. The guidelines state: "students should be exposed to the principles of macromolecules across foundational areas". Foundation areas build on introductory chemistry courses. Textbooks for foundation courses are "specialized books that serve as an introduction to each field". With the success of getting macromolecules into chemistry curricula comes a responsibility and this request for assistance. **POLYED needs volunteers to help provide coursework insertions covering macromolecules** for foundational courses in analytical, organic, physical, inorganic, biochemistry, and introductory chemistry. Some of the reluctance of chemistry departments to incorporate macromolecules has been couched in terms of not having the course materials or expertise needed. POLYED asks that you consider volunteering to help develop materials to give a crash course to the educators, and also to be included in the foundational courses. Pull out that great example of a real world polymer application or great example of how macromolecules demonstrate a fundamental principle – or an extreme counter-example of the expected behavior – and share it with the chemists! Volunteers are needed now to chair (or co-chair) and serve on committees to develop the examples and illustrations for each of the foundational courses. The plan is that the products from these committees will be published in some form in the Journal of Chemical Education. Please contact John Droske (jdroske@uwsp.edu) or Charles Carraher (carraher@fau.edu) to lend a hand, or see the POLYED webpage at www.polyed.org for more information.

University of Michigan POLY Chapter

Submitted by Edmund Palermo

The University of Michigan Campus Chapter of the POLY Division (UM-POLY) has recently hosted a wide variety of very interesting seminar talks. Dr. Do Yoon of IBM spoke about his research on "Oligomer and Polymer Blend Optoelectronic Materials". UM Professor Jeorg Lahann, from the Dept. of Materials Science & Eng (MSE), explained his group's efforts in reversibly switching surfaces. Prof. Kenichi Kuroda, from UM School of Dentistry, lectured students on antimicrobial polymers. Over the summer, a representative from the University of Michigan's Technology Transfer Office enlightened students about the process of founding a start-up company at the university level. As a follow up, in a separate presentation, MSE Prof. Rick Laine shared his personal experiences with starting a company based on materials research.

In order to establish a network of students at UM, who share an interest in polymer-related research, UM-POLY will invite graduate students to present their research at future meetings. The organization will also actively seek speakers from outside UM. Talks given by representatives of local industries, as well as talks by Professors from nearby universities, will broaden the horizons of UM-POLY members and help orient them for life after graduation. UM-POLY is especially interested in hosting talks by POLY members. If you are interested in giving such a talk to the students in Ann Arbor, please contact Ed Palermo at efp@umich.edu.

Clemson University POLY Chapter

Submitted by Stephen Budy

The Clemson University's POLY Chapter has been formed by Stephen Budy (President) and Prof. Dennis Smith, Jr. (Adviser). On Thursday, February 21, 2008, the CU POLY/PMSE students joined with the Optical Society of America (OSA) student chapter and the chemistry graduate student organization (CGSO) to participate at the Engineering and Science Expo in the Hendrix Center Ballroom (Clemson University). We provided an introduction to basic optics with demonstrations showing photoluminescent polymers, spinning color wheel, Jello-O optics, etc. We acknowledge financial assistance from the OSA and the Center for Optical Materials Science and Engineering Technologies (COMSET) at Clemson University. Some of the students also traveled to and presented their research at the American Chemical Society (ACS) meeting in New Orleans, LA and Philadelphia, PA. Future events are planned to attend the ACS meeting in Salt Lake City, UT and future conferences.



Above: Stephen Budy demonstrates basic optics principles to K-9th grade students by interacting with them using a spinning color wheel (and enticing them with a bowl of candy!)

Left: (left to right) Chris Huebner, Ali Foguth, Craig Syzymski, and JJ Grimland

Check Out the POLY Jobs Site

Did you know about the Jobs section on the Division web site? It's one of the many benefits solely for members of the Division. Whether you're in search of a job or in search of potential employees- this is the place to go. The popularity of the site is increasing. **Since January, the jobs site has had over 20,000 "hits"!** The site is divided into industrial, academic and postdoctoral opportunities and even has a section for summer internships, so there's a place for everyone. Job seekers can look through the postings or be more active and post their resume on the website. Visit the site today at <http://www.polyacs.org/students/JobsHome.shtml>.

**Recruit a POLY
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Visit the POLY web site at

WWW.POLYACS.ORG

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POLY Treasurer's Report

The current table represents several budget categories and the total income-expense projection for the 2008 budget as of July. We are currently on track for the

fiscal year although because of possible shortfalls on the workshop activity it is possible that we may have difficulty in meeting a balanced income-expenditure position at the end of the year. This is the last year that I will be serving as Treasurer for POLY. Overall I have tried to keep a tight fiscal and balanced budget the last three years. There will be challenges for the future in particular with revenues from membership and workshops, but POLY and its officers will work hard to keep a solid line-up of activity and benefits for its members, the ACS, and the community.

2008 Operating Budget Summary

BUDGET CATEGORY	2008		2008	
	Approved Budget		Actual Budget	
	Income	Expenses	Income	Expenses
ACS Membership Dues	160,000	-	86,798	-
National Meetings	60,000	146,000	64,544	87,514
Workshops	320,000	270,000	99,285	69,658
Administrative		166,000		98,605
Total Budget	718,500	718,500	324,567	353,121

Submitted by: Rigoberto Advincula- POLY Treasurer, University of Houston



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Texas State University-San Marcos is a member of the Texas State University System.

CHAIR

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY TEXAS STATE UNIVERSITY-SAN MARCOS

Texas State University-San Marcos (www.txstate.edu) seeks a Chair for the Department of Chemistry and Biochemistry (www.txstate.edu/chemistry/). The successful candidate must hold an earned doctoral degree, have a record of extramurally-funded and recognized research, have academic experience, and be eligible for tenure at the rank of professor in the Department. Preference will be given to candidates having previous administrative and university teaching experience, a history of mentoring students, research interests that complement existing departmental programs, a commitment to undergraduate and graduate education and research, a clear vision of departmental leadership – including faculty development, the ability to advance academic and research programs, a commitment to faculty and student diversity, and effective managerial / leadership skills. The Department consists of 17 tenured and tenure-track faculty members, and approximately 300 undergraduate majors. B.S. and M.S. degrees in Chemistry and Biochemistry are currently offered, and an interdepartmental Ph.D. program in materials science and engineering is being developed. The University has an enrollment of 28,000 students, is increasing its number of graduate programs, and is striving to be designated as a Hispanic Serving Institution. San Marcos (www.ci.san-marcos.tx.us) is a community of 50,000 residents and is located on the eastern edge of the Texas Hill Country, 30 miles south of Austin and 50 miles north of San Antonio. Interested candidates are invited to submit, as a single PDF file, a letter of application, a curriculum vita, a statement of how they meet the required and preferred characteristics of the position, and contact information for five references to: chemchairsearch@txstate.edu. Applications will be treated confidentially. Review of complete applications will begin September 15, 2008. Texas State University is an Affirmative Action/Equal Opportunity Employer.



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TENURE-TRACK POSITION DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY TEXAS STATE UNIVERSITY-SAN MARCOS

The Department of Chemistry and Biochemistry at Texas State University - San Marcos (<http://www.txstate.edu/chemistry/>) seeks to fill a tenure-track position to begin in the Fall of 2009 at the assistant/associate/full professor level in the area of materials chemistry for our interdisciplinary Material Science and Engineering Program. A doctoral degree in chemistry or related subject area with research and educational expertise in materials chemistry is required. The candidate will be expected to establish an active externally funded research program at Texas State in an area complementary to the current research programs. The successful candidate will have undergraduate and graduate teaching responsibilities, including development of courses in support of plans for a Ph.D. program in material science. Applicants are requested to submit a CV, a summary of research plans, a short description of teaching philosophy, unofficial undergraduate and graduate transcripts to be sent as a single pdf file to: MSECH@txstate.edu. Review of applications will begin on October 15, 2008. Texas State University- San Marcos is an equal opportunity employer; women, underrepresented minorities and individuals with disabilities are encouraged to apply.

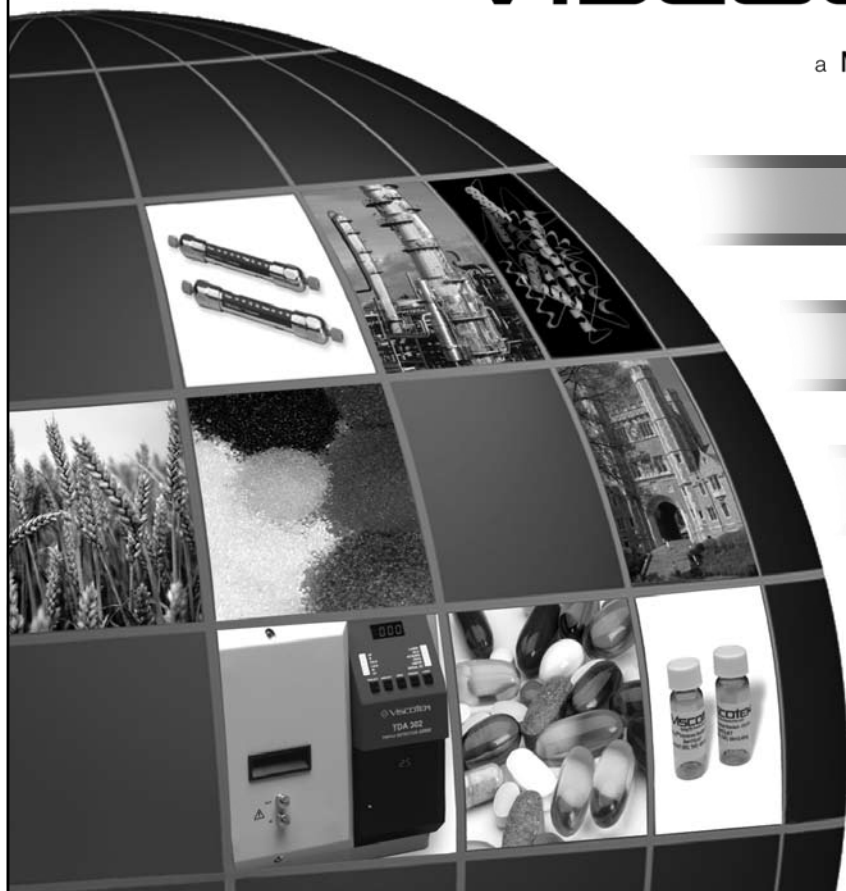
Texas State University - San Marcos is located in the burgeoning Austin-San Antonio corridor in the edge of the hill country and is the largest campus in the Texas State System with more than 28,000 students. The Department of Chemistry and Biochemistry currently has 17 faculty, 30 Masters students, and 300 majors who are strongly encouraged to participate in research.

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Upcoming Polymer Division Workshops and Meetings

MACROMEX 2008

Inaugural Mexican-American Conference on Advances in Polymer Science

December 7-10, 2008
Crowne Plaza-Grand Faro
Los Cabos, Mexico

www.polyacs.net/Workshops/08Macromex/home.htm



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PROGRAM TOPICS

- * Precision Polymer Synthesis
- * Dispersion Media Polymerization
- * Biomaterials
- * Block Copolymers
- * Membranes (water purification and fuel cells)
- * Optoelectronic Materials
- * Nanocomposites and Blends
- * Polyolefins

Advances in Materials and Processes for Polymeric Membrane-Mediated Water Purification

February 22-25, 2009
Pacific Grove, California, USA

<http://www.polyacs.net/Workshops/09WaterPurification/home.htm>

Co-Chairs

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The purpose of this workshop is to bring together a broad range of stakeholders in the area of membranes for water purification. One objective is to establish a constructive dialogue between government, academic and industry representatives so that a robust, shared vision of the opportunities and challenges facing this field can be formulated. Another objective is to bring together leading research scientists and engineers in this field from all over the world to foster networking that can stimulate collaborative research to solve the most challenging problems in the field today. The final objective of this workshop is to provide a series of state-of-the-art presentations outlining the status of membrane materials for various separations critical for the purification of water and to set forth the challenges that must be resolved to reduce next generation water purification systems based on membranes to practice.

Advances in Polymer Electrolyte Membrane Fuel Cell Systems - 2009

<http://www.polyacs.net/Workshops/09FuelCells/home.htm>

February 15-18, 2009

Asilomar Conference Grounds
Pacific Grove, California, USA



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Polymers in Medicine and Biology: 2009

June 14-17, 2009
Hilton Sonoma Wine Country
Santa Rosa, California
USA

www.polyacs.net/Workshops/09Biomed/home.htm

Biomaterials and medical devices are the central focus of a research endeavor and \$100B industry that saves lives and improved the quality of life for millions. Polymers comprise about 70% of all biomaterials. Creative synthetic and physical polymer chemistry are the hallmarks of this field. The Polymer in Medicine and Biology workshop showcases outstanding research, development and clinical practice in the application of polymers to medical problems.

Topics of Interest

Synthesis of Biomedical Polymers
Clinical Application of Biomedical Polymers
Commercial Development of Biomaterials
Surface Modification
Controlled Release
Biomolecule Adsorption and Immobilization
Blood Interaction with Surfaces
Polymer Nanotechnology
Biodegradable Polymers
Tissue Engineering and Scaffolds
Diagnostics, Sensors, and Arrays
Non-fouling Surfaces
Other Topics Relevant to Biomedical Polymers

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Advances in Polyolefins: 2009

September 20-23, 2009

Hilton Sonoma Wine Country
Santa Rosa, California
USA

www.polyacs.net/Workshops/09Polyolefins/home.htm

Workshop Organizer

Pal Arjunan

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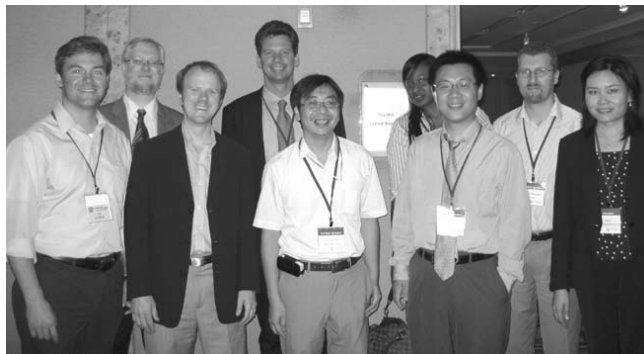
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Session Topics:

- 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

IYPSS Symposium In Taipei



The first International Young Polymer Scientist Symposium (IYPSS) was sponsored by the IUPAC Division of Polymer Chemistry, and co-sponsored by the ACS Division of Polymer Chemistry, Inc., and the ACS Division of Polymeric Materials Science & Engineering. The symposium was held during the IUPAC's MACRO2008 biannual international polymer conference in Taipei, Taiwan, June 29 to July 4, 2008. The IYPSS, co-chaired by Chi-Yang Chao, Todd Emrick, Fuyuhiko Kubota, and Dennis W. Smith, Jr. was a tremendous success with approximately 25 invited speakers and excellent attendance. The symposium culminated with a Toyobo Co., Ltd, sponsored reception following the sessions. "POLY is particularly proud to be a part of special programming like this which puts the spotlight on our young polymer scientists and continues our international service activities and fruitful collaborations with PMSE and the IUPAC Polymer Division and Prof. Ober", Smith said. Prof. Chris Ober is the current President of the IUPAC Polymer Division. "This was a very memorable and productive experience for all of the attendees", said invited speaker, Associate Professor Steve Miller, University of Florida. For more on the IYPS Symposium or MACRO2008, please see: <http://www.pst.org.tw/macro2008/>

US-Japan POLYMAT 2008 Summit

After preparing for this summit for the last two years, it is our pleasure to report a

successful first focused summit between the Polymer Chemistry Division ACS and the Society for Polymer Science, Japan. This important meeting was held in sunny Ventura, California last August. The theme was on energy related electro-optical polymers and phenomena. In a three day program we have put together the best among the researchers from the US and Japan with representation from industry as well. The topic highlights included photovoltaic devices, display devices, new polymers, thin film transistors, and fabrication. In particular, new strategies and polymer materials for improved photovoltaic devices were highlighted. The line-up of speakers and the discussions all contributed to a stimulating environment, memorable to all the speakers and participants. The line-up of speakers included Heeger (UCSB), Bao (Stanford), Kido (Yamagata), Wudl (UCSB), Akagi (Kyoto), Kawai, Jenekhe (UW), Yamamoto (Keio), Yang (UCLA), and many others which enabled the attendees to hear the best and the latest. A high level of participation from students most notably from Waseda University, UCSB, Simon Fraser University, and many others highlighted the enthusiasm among young researchers in the community. We hope to see you at US-Japan POLYMAT 2010!

Submitted by: Rigoberto Advincula (University of Houston) and Hiroyuki Nishide (Waseda University)

POLY/ACS National Meeting Activity

Future ACS Meetings

237th - March 22-26, 2009
Salt Lake City, Utah

238th - August 16-20, 2009
Washington, D.C.

239th - March 21-25, 2010
San Francisco, California

240th - August 22-26, 2010
Boston, Massachusetts

241st - March 27-31, 2011
Anaheim, California

242nd - August 28 -
September 1, 2011
Denver, Colorado

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

244th - September 9-13, 2012
Philadelphia, Pennsylvania

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

246th - September 8-12, 2013
Indianapolis, Indiana

247th - March 16-20, 2014
Washington, D.C.

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

237th ACS National Meeting, Salt Lake City, UT

March 22-26, 2009

Program Meeting Chairs: Kristi Kiick, Jeffrey Linhardt, & Greg Tew

Overall Theme: **Nanoscience: Challenges for the Future**

- Active and Responsive Surfaces
- Carl S. Marvel Creative Polymer Chemistry Award
- Excellence in Graduate Polymer Research
- General Papers: New Concepts, Polymer Synthesis, Polymer Characterization, Nanomaterials, Functional Materials
- Ion-Containing Polymers for New Technologies
- Nanostructured Materials for Future Therapy
- Off the Beaten Path - Alternative Career Options for a Degree in Polymer Science
- Polymerization in Nanostructured and Nanocomposite
- Polymers and Carbon Nanotubes
- Polymers for Photonics and Optoelectronics
- Polymers in Electrophotography
- Undergraduate Research in Polymer Science

238th ACS National Meeting, Washington, DC

August 16-20, 2009

Program Meeting Chairs: Kristi Kiick, Jeffrey Linhardt, & Greg Tew

Overall Theme: **Chemistry and National Security**

- Biological and Synthetic Gels: A Unique and Highly Responsive State of Matter
- Biocatalysis in Polymer Science
- Federally Funded Polymer Research
- Fluorine Containing Polymers
- General Papers: New Concepts, Polymer Synthesis, Polymer Characterization
- Global Entrepreneurship
- Herman Mark and Herman Mark Scholars Awards
- Ion-containing Polymers for Energy Applications
- Metal-Containing and Metallo-Supramolecular Polymers and Materials
- National Starch Award for Outstanding Graduate Research in Polymer Science and Engineering
- Polymer Science of Everyday Things
- Polymers in Membrane Technology
- Renewable Polymers
- Silicones and Silicone Modified Materials

POLY SESSION INFORMATION

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

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ACS National Meeting Polymer Preprints & Abstract Submission

IMPORTANT MESSAGE TO CONTRIBUTORS!

Abstract Submission

Abstracts should be submitted through OASys (<http://oasys.acs.org/oasys.htm>), the ACS on-line abstract submittal system, available at the ACS meetings page. Upon abstract submission, a record number will be assigned, which must be used to submit a preprint (this ensures that abstract and preprint are linked).

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 OASys.

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 or on diskette; it must be submitted through OASys, 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 History - Symposia 50 and 25 Years Ago

Compiled by W. Val Metanomski

1958

133rd ACS National Meeting, San Francisco, CA

70 papers

General Session
Crystalline State in Polymers

134th ACS National Meeting, Chicago, IL

100 papers

General Session
Polyethers and Condensation Polymers
Inorganics and High Temperature Polymers
Instruction in Polymer Chemistry

1983

185th ACS National Meeting, Seattle, WA

217 papers

Diffusion in Polymers
Control of Polyolefin Structure and Properties
Special Topics
Symposium on ACS Award in Polymer Chemistry
Honoring R. S. Stein
Polymer Science and Engineering
Polymers as Biomaterials
Polymer Composites
Symposium on ACS Award for Creative Invention
Honoring O. A. Battista: Polymer Research for Profit
Basics of Biomedical Polymers
NMR of Polymers - Recent Advances in High Resolution
Solution and Solid State Studies
Plastics and Artificial Organs
Genesis of Polymer Science

Interfacial Phenomena in Dentistry and Dermatology
Derwent Publications Seminar
(includes symposia cosponsored with Division of Chemical Information, Division of Colloid and Surface Chemistry, Division of the History of Chemistry, Division of Industrial and Engineering Chemistry, Division of Medicinal Chemistry, Division of Organic Coatings and Plastics Chemistry, and Division of Small Chemical Businesses)

186th ACS National Meeting, Washington, DC

263 papers

Phenolics Revisited, 75 Years Later
Polymeric Science and Engineering
Polymeric Liquid Crystals
Symposium on Award for Creative Polymer Chemistry
Honoring W. L. Mattice
Small-Angle Scattering from Polymers
Heterocyclic Polymers
Special Topics
Recycle and Reuse of Polymers
Opportunities in Chemistry
Polymers for Fibers
Colloidal Particles
(includes symposia cosponsored with Board-Council Committee on Chemistry and Public Affairs, Division of Colloid and Surface Chemistry, and Macromolecular Secretariat)

POLY current programs chairs and symposia organizers might compare these topics with current topics, and conclude which topics disappeared, if any, and which still are "hot".

Macromolecular Materials Gordon Research Conference and Gordon Research Seminar

January 10-16 2009, Ventura CA.

Chair: Dr. Darrin J. Pochan/Co-Chair Dr. Todd S. Emrick

Register at www.GRC.org

The Macromolecular Materials Gordon Research Conference (formally named Polymers West) is known for being an interdisciplinary, synergistic meeting, and the January 2009 edition will keep with past tradition.

Macromolecular Materials will also be hosting a Graduate Research Seminar (GRS) on the weekend prior to the main GRC meeting intended to provide a GRC meeting experience solely graduate students and post-doctoral fellows. The topics of the 2-day GRS will also be interdisciplinary in nature, and the attendees are encouraged to stay for the full Macromolecular Materials GRS the following week.

Topics Include:

- Polymer Thin Film Mechanical Properties and Patterning
- Polyelectrolytes for DNA Complexation and Delivery
- Charged Polymers for Biomaterials
- Complex Micelle Assembly
- Polymer Nanoparticles and Nanotechnology
- Theory of Charged Polymer Assembly
- Self-healing Materials

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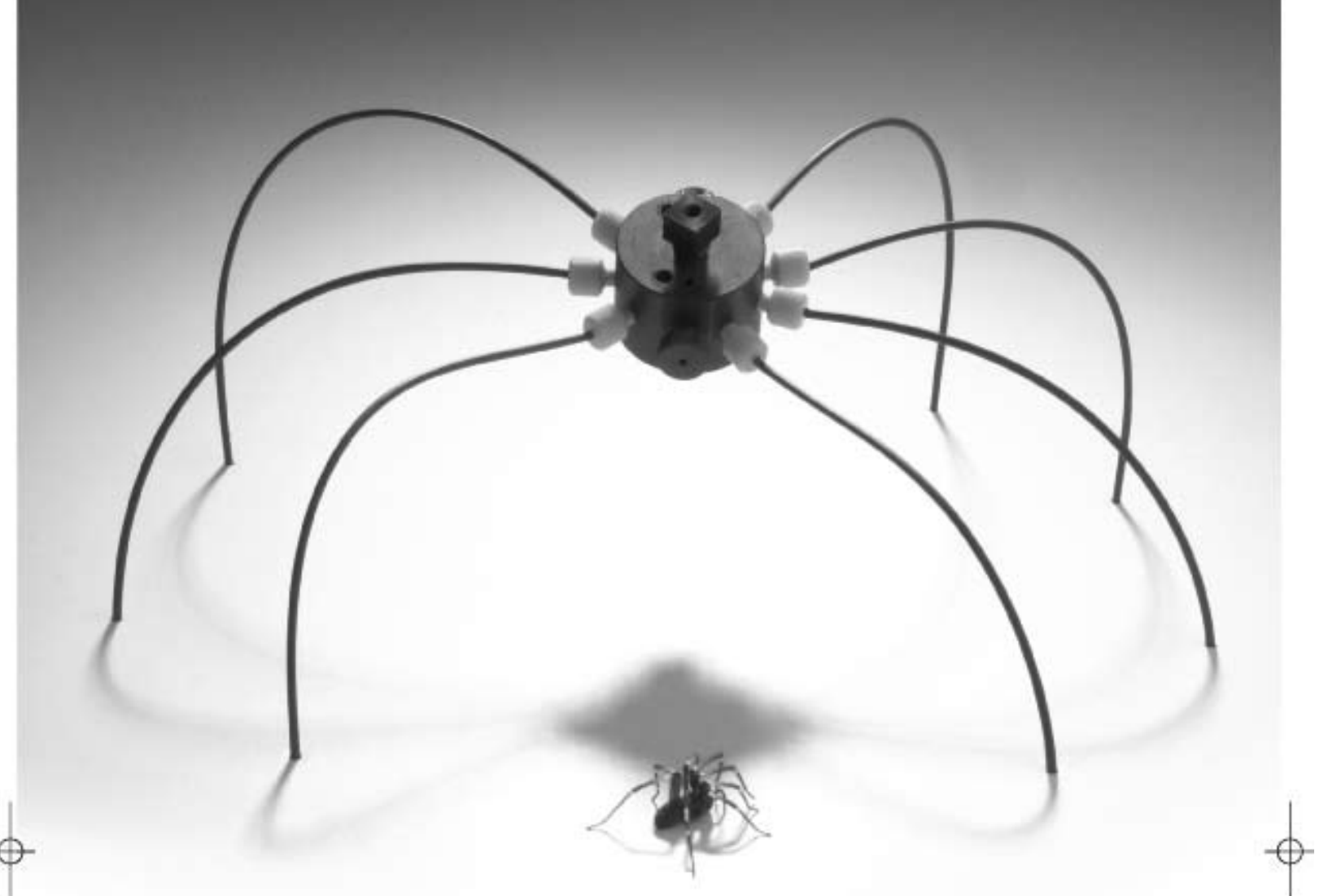
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E-mail Discussion List

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-OFF, CHANGE ADDRESS, or JOIN THE
LIST

- 1) Go to the POLY www site:
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.

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