

2010 Spring Meeting

2010 Spring NATIONAL ACS MEETING

San Francisco, CA (March 21-25, 2010)

Program Meeting Chair: Kristi Kiick, Jeffrey Linhardt, Greg Tew

Deadline for Abstracts and Polymer Preprints: Oct. 19, 2009.*

***for general papers and some symposia (some symposium organizers may set an earlier deadline).**

Note: PACS opens Aug 24th, 2009 and closes Oct 19th, 2009

THE POLY/PMSE PLENARY LECTURE AND AWARD RECEPTION IS SCHEDULED FOR WEDNESDAY EVENING, March 24, 2010, 5:30PM-8:00PM. Continental 6, Hilton Union Square
Paul Bloom, from Archer Daniels Midland Company delivered a plenary lecture (at 6:15 PM) entitled "Opportunities for renewable chemicals: Impact and needs"

Engineering the Biology-Materials Interface

Vincent Rotello, Department of Chemistry, University of Massachusetts, Amherst, MA 01003.

Excellence in Graduate Polymer Research

H. N. Cheng, Research Center, Hercules, Incorporated, 500 Hercules Road, Wilmington, DE 19808-1599;
Christopher J. Ellison, Dept. of Chemical Engineering, CPE 3.418, University of Texas at Austin, 1 University Station C0400, Austin, TX 78712; Timothy E. Long, Department of Chemistry, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061; Erica H. Martin, Rohm and Haas Company, 727 Norristown Rd, Spring House, PA 19477.

6th Excellence in Polymer Graduate Research Symposium

San Francisco - March 22, 2010



As part of the Polymer Division's initiative on graduate student membership and graduate education, the Division started a special symposium, entitled "Excellence in Polymer Graduate Research" at the National ACS Meeting in Philadelphia in Fall 2004. Since then, we have organized this symposium every year in the Spring ACS meetings. The sixth symposium was held at the National ACS Meeting in San Francisco on March 22, 2010. As before, it consisted of two half-day oral sessions, a poster session, and a networking social. The purposes of this symposium were to provide recognition to outstanding graduate students in polymer science and engineering, to foster networking and exposure, and to help develop the careers of future leaders in our field. We publicized this symposium via the POLY list server, POLY web page, and direct email messages to over 100 departments that are active in polymer research. We requested that each department nominate one outstanding graduate student to speak on his or her original research in this special symposium. Each student was required to fill out an application form and have a nominating letter from the research advisor and a letter from the department head.

We had a record number of 36 students this year. We were very impressed with the quality of the papers and the caliber of the students. In the oral sessions 18 students gave talks on their papers, and in the poster session 18 students presented their work. The program is attached below. Both the oral and poster sessions went very well. We appreciated the excellent presentations and the energy and enthusiasm that the students displayed.

As part of the recognition, each student received a certificate plus a cash award. It is important to note that Dr. Joe Francisco, the ACS President, had made this a Presidential Event. Furthermore, Dr. Francisco personally attended the session at the end and spoke to the students. He then mingled and chatted with the students for quite some time. Group photos were also taken with the students. Realizing that he had a hectic schedule at the meeting, we truly appreciated Dr. Francisco's support of the symposium and his efforts to speak to the students.

Afterwards, we had a networking social/dinner at Café Bellini. The students in both this symposium and the Undergraduate Symposium (organized by Sarah Morgan and Sergei Nazarenko) were invited. It was wonderful that members of POLY Executive Committees and POLY Industrial Advisory Board were also present. They interacted with the students over beer, pop, and pizza. We had a good time. Particularly noteworthy were the conversations among the students. We noticed that many graduate students talked to one another,

exchanging information. Moreover, many graduate and undergraduate students sat together and talked about graduate schools.

This symposium was organized by ACS Polymer Division (POLY), and cosponsored by Presidential Event (PRES), Young Chemists Committee (YCC), Division of Professional Relations (PROF), Society Committee on Education (SOCED), and POLY. The symposium had the generous support of National Science Foundation Division of Materials Research (DMR), ACS Polymer Division (POLY), Industrial Advisory Board of the Polymer Division (IAB), and Lord Corporation. The organizers thank all the sponsors and supporters, without whom this symposium would not have been possible.

Symposium Organizing Committee:

H. N. Cheng (USDA) Christopher J. Ellison (Univ. of Texas at Austin) Erica H. Martin (Dow Chemical Company) Timothy E. Long (Virginia Tech)

Symposium Program

Excellence in Polymer Graduate Research, March 22, 2010

Organizers: H. N. Cheng, Christopher Ellison, Erica Martin, Tim Long
Sponsored by POLY, cosponsored by PROF, YCC, SOCED, and Presidential Event (PRES)

Financial Support: NSF - DMR, POLY, POLY Industrial Advisory Board, and Lord Corporation.

Oral Session 1. Monday Morning (Hilton – Golden Gate 2)

Session Chair: H. N. Cheng

8:10 am		Introductory Remarks
8:15 am	165	Spatiotemporal patterning of click-based hydrogels for user-directed <u>Cole A DeForest</u> , Evan A Sims, Kristi S Anseth (U. Colorado)
8:35 am	166	Surface modification of acrylate particles with carbazole moieties via <u>Parul Rungta</u> , Yuriy P Bandera, Volodymyr Tsyalkovsky, Stephen (Clemson – Materials)
8:55 am	167	Photopatterned click functional polymer surfaces <u>Jeffrey R. Lancaster</u> , Carl Giller, Ellane J. Park, Tina Wagenaar, J Nicholas J. Turro, Jeffrey T. Koberstein (Columbia U.)
9:15 am	168	One-pot synthesis of brush-like polymers via integrated ring-opening polymerization and polymerization of amino acid N-carboxyanhydrides

- 9:35 am 169 [Hua Lu, Jing Wang, Yao Lin, Jianjun Cheng \(U. Illinois – Materials\)](#)
[Uniquely broad glass transitions of gradient copolymers: Experimental calculation](#)
[Michelle M. Mok, Kevin A. Masser, James P. Runt, John M. Torke](#)
– Materials)
- 10:25 am 170 [Well-defined polymer brushes via surface-initiated ATRP: From synthesis to applications](#)
[Hongchen Dong, Krzysztof Matyjaszewski \(Carnegie-Mellon\)](#)
- 10:45 am 171 [Free radical polymerization-based self-healing systems](#)
[Mary M. Caruso, Gerald O. Wilson, Patrick J. McIntire, Alexander M. J. Blaiszik, Nancy R. Sottos, Scott R. White, Jeffrey S. Moore \(U. Illinois\)](#)
- 11:05 am 172 [Proton conducting properties of poly\(4-vinyl-1H-1,2,3-triazole\)](#)
[Shilpi Sanghi, Birgit Fassbender, Mark Tuominen, Gunther Brunklaas, Spiess, E. Bryan Coughlin \(U Mass – Polymer\)](#)
- 11:25 am 173 [Colloidal polymerization: A new concept in polymer science](#)
[Bo Yun Kim, Jeffrey Pyun \(U. Arizona\)](#)

Oral Session 2. Monday Afternoon (Hilton – Golden Gate 2)

Session Chair: Christopher Ellison

- 1:05 pm Introductory Remarks
- 1:10 pm **Recognition of Poster Presenters**
- 1:20 pm 232 [Hydrogel supported high-throughput microarrays using thiol-ene chemistry](#)
[Nalini Gupta, Brian F Lin, Luis M Campos, Sherry Hikita, Matthew J. Clegg, Craig J Hawker \(UC Santa Barbara\)](#)
- 1:40 pm 233 [High-throughput screening of PEG-heparin hydrogels using multiphoton microrheology](#)
[Kelly M. Schultz, Aaron D. Baldwin, Laura Campo Deano, Christian Kiick, Eric M. Furst \(U. Delaware, CE\)](#)
- 2:00 pm 234 [Conformational and assembly behavior of collagen-mimetic peptide-thermally responsive polymer conjugates](#)
[Ohm D Krishna, Kerstin T Wiss, Peter J Roth, Patrick Theato, Kristin Delaware – Materials\)](#)
- 2:20 pm 235 [Expanding surface treatment options for controlling block copolymer morphology](#)
[Jeffrey R. Strahan, Christopher M. Bates, Brennen K. Mueller, Jonathan Joshua M. Katzenstein, Christopher J. Ellison, C. Grant Willson \(U. Illinois\)](#)
- 3:10 pm 236 [Multi-stimuli-responsive colloidal particles and coalesced films](#)
[Fang Liu, Dhanya Ramchandra, Marek W Urban \(U. Southern Mississippi\)](#)
- 3:30 pm 237 [Investigation of morphology and phase stability in perfluorocyclobutane membranes](#)
[Angela M Osborn, Robert B Moore \(Virginia Tech -Materials\)](#)

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- 3:50 pm 238 [Ultrathin glassy polymer films for gas separation membranes and transport behavior](#)
Brandon W Rowe, Steven J Pas, Anita J Hill, Ryoichi Suzuki, Ben
Donald R Paul (U. Texas – CE)
- 4:10 pm 239 [Soft fullerene materials: Click chemistry and supramolecular assembly](#)
Wenbin Zhang, Xuehui Dong, Shuguang Yang, Ryan Van Horn, D
Chrys Wesdemiotis, Roderic P. Quirk, Stephen Z. D. Cheng (Akron)
- 4:30 pm 240 [Influence of temperature on low-power upconversion in low glass transition blends](#)
Joseph R. Lott, Tanya Singh-Rachford, Felix N. Castellano, Christ
Western Reserve)
- 4:50 pm **Remarks by Dr. Joseph S. Francisco, ACS President**
- 5:30 pm Reception and Dinner

Poster Session – Monday 9:30 – 11:00 am (Hilton – POLY Poster Area)

- 199 [Catalyzed functionalization of chitosan in ionic liquids](#)
- 200 Cristina Stefanescu, William H Daly, Ioan Negulescu (Louisiana State U.)
[Nano-patterned polymer brushes for precision bioadhesion](#)
- 201 Saugata Gon, Maria M Santore (U. Mass –CE)
[Fine-tuning biomaterial degradation by embedding hydrolytic enzymes](#)
- 202 Manoj Ganesh, Richard Gross (Polytech – NYU)
[Antimicrobial polymethacrylates: Activity enhancement by elongating the cationic spacer length](#)

203 Edmund F Palermo, Kenichi Kuroda (U. Michigan)
[Thiol-ene generated amphiphilic PEGylated coatings for use in anti-biofouling](#)

204 Jeremy W Bartels, Phillip M Imbesi, Christopher Fidge, Jun Ma, Andreas M M
Michael E Mackay, Karen L Wooley (Wash U. – St Louis)
[Superparamagnetic maghemite nanocomposites prepared with novel functional copolymers](#)

205 Sanchita Biswas, Kevin D. Belfield, Ritesh K. Das, Siddhartha Ghosh, Arthur
[Synthesis and application of an orthogonal resist to multiple protein patterning](#)

206 Priscilla G Taylor, Margarita Chatzichristidi, Jin-Kyun Lee, Kari M Midthun, A
Baird, George G Malliaras, Christopher K Ober (Cornell U.)
[Hierarchically ordered montmorillonite block copolymer brushes](#)

207 Ross E Behling, Eric W Cochran (Iowa State –CE)
[Synthesis of a new class of solution soluble poly\(benzobisazoles\)](#)

208 Jared F. Mike, Malika Jeffries-El (Iowa State – Chem)
[Synthesis of ordered mesoporous silica/polymer composites and their carbon](#)

Liang Cao, Michal Kruk (CUNY Staten Island)

209 [Synthesis of 6-deoxy-6-cyano-cellulose with completely regioselective modification](#)

210 [S. Carter Fox, Kevin J. Edgar \(Virginia Tech – Wood\)
Dynamics of polystyrene-poly\(2-vinylpyridine\) star block copolymers](#)

211 [Juan Pablo Hineostrosa, Douglas Hirt, Michael Kilbey \(Chemson – CE\)
2D-NMR studies of the backbone and chain end structure in Krytox® fluoropolymer](#)

212 [Xiaohong Li, Elizabeth F McCord, Peter Fox, Jon L Howell, Peter L Rinaldi \(A
Effects of copolymer sequence distribution on compatibilization and micelle formation in blends](#)

213 [Robert W. Sandoval, John M. Torkelson \(Northwestern – CE\)
Correlating ion and water transport and anisotropy in ionomer membranes via
and diffusion measurements](#)

214 [Jianbo Hou, Mr. Jing Li, Louis A Madsen \(Virginia Tech – Chem\)
Ionic liquid-polymer solid-state films: The effect of ionic liquid composition on
conduction](#)

[Liang Gwee, Jae-Hong Choi, Karen I Winey, Yossef A Elabd \(Drexel\)](#)

215 [Investigating the photophysics and intermolecular interactions of solid state fluorescent polymer chemosensors](#)

216 [Sherryllene S. Pinnock, Catherine N. Malele, Wayne E. Jones \(Binghamton U\) Electro-photonic enhancement of photonic crystal organic solar cells](#)

[Doo-Hyun Ko](#), John R. Tumbleston, Lei Zhang, Stuart Williams, Joseph DeSantis, Samulski (U. North Carolina)

General Topics in the Characterization of Polymers

Dana Garcia, ASR, Atofina Chemicals Inc, 900 First Avenue, King of Prussia, PA 19406.

General Topics in the Design and Synthesis of Polymers

Dana Garcia, ASR, Atofina Chemicals Inc, 900 First Avenue, King of Prussia, PA 19406; Donna J. Nelson, Department of Chemistry and Biochemistry, University of Oklahoma, Norman, OK 73019.

[Nanostructured Polymers](#)

Alan Hopkins, Division of Chemistry and Chemical Engineering, California Institute of Technology, 1200 E. California Blvd. m/c 127-72, Pasadena, CA 91125; Alejandro Briseno, Polymer Science & Engineering Department, University of Massachusetts Amherst, 120 Governors Drive, Conte, Amherst, MA 01003; Randy M. Villahermosa, Space Materials Laboratory, The Aerospace Corporation, 2350 E. El Segundo Blvd., El Segundo, CA 90245; Sara R. Halper, Space Materials Lab, The Aerospace Corporation, 2350 E. El Segundo Blvd., El Segundo, CA 90245.

ALL FOR PAPERS

PREPRINT/ABSTRACT DEADLINE—MONDAY, OCTOBER 19TH, 2009

ACS / Polymer Chemistry Division Announces its Call for papers for the Spring Symposium for San Francisco 2010: Nanostructured Polymers

For details, go to: [National Meetings-San Francisco](#)

Abstract submission is now open! To submit abstract, go to: <http://oasys.acs.org/>

The **Organizers** of this symposium invite you to submit your abstract for the **Nanostructured Polymers** symposium to take place during the 2010 ACS National Meeting in San Francisco, CA. The abstract submission site is available at <http://oasys.acs.org/>

The theme of this symposium is the synthesis and development of polymeric materials

with significant structure at the nanometer scale. Applications of these nano-structured materials are realized in how one controls properties at the nano-level and translates them into the macro level. Appreciation of this goal has been slower than anticipated for a variety of reasons, but perhaps most importantly due to the incredible complexity of controlling nano-structures under challenging physical, chemical and mechanical boundary conditions.

The symposium will be divided into sessions that highlight what we believe are the major thrusts in nanostructured materials. There is a major drive to take traditional electronic devices and incorporate their function into the materials themselves. This area is particularly interesting because it requires researchers to solve challenging fundamental problems, but in doing so the end result will be a very useful material. There will also be a session on hybrid or multi-functional materials, where two or more materials are combined in a symbiotic fashion to create new materials. We also will have a session dedicated to new synthetic methods for creating nanostructured materials, which will dovetail well with the more application-based papers.

The overarching theme of the talks at the Nanostructured Symposium is that chemists have been working in the nano- and subnanoscale size regimes for a very long time. What sets nanostructured materials apart from traditional polymers is the ability to rationally control macroscale function or properties through the manipulation of molecular structure. These papers will help bridge the gap between macro- and nanoscale--where micro-structure meets molecular structure. We see this as the direction materials chemistry is moving towards.

Topics to be addressed include (but are not limited to):

- Polymer nanofiber materials
- Polymers and nanomaterials for sensing, reactive materials and molecular electronics
- Functional polymer thin films for switching, sensing and adaptive applications
- Response-driven polymeric films and coatings
- Polymers in micro- and nano-electronics
- Self-assembled nano and mesostructured materials
- Templating and synthesis of novel nanostructured materials
- Hybrid organic-inorganic nanomaterials
- Developing nanomaterial applications

Invited speakers (partial list) **include:**

Zhenan Bao (Stanford University), **Ken Carter** (University of Massachusetts, Amherst), **Luping Yu** (University of Chicago), **Richard B. Kaner** (UCLA), **Richard M. Laine** (University of Michigan), **Zoran Zujovic** (University of Auckland), **Bruce H. Weiller** (The Aerospace Corporation).

Symposium Organizers

<p>Alan R. Hopkins, Ph.D. The Aerospace Corporation Materials Science Department, Space Materials Laboratory, PO BOX 92957-</p>	<p>Prof. Alejandro L. Briseno University of Massachusetts Amherst Department of Polymer Science and Engineering, Conte Research Center</p>
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M2/242 Los Angeles, CA 90009-2957 Tel 310-336-5664 alan.r.hopkins@aero.org	120 Governors Drive Amherst, MA 01003 Tel 413-577-1210 mailto:abriseno@mail.pse.umass.edu
Randy M. Villahermosa, Ph.D. The Aerospace Corporation Space Materials Laboratory PO BOX 92957-M6/227 Los Angeles, CA 90009-2957 Tel 310-416-1693 mailto:randy.m.villahermosa@aero.org	Sara R. Halper, Ph.D. The Aerospace Corporation Materials Science Department, Space Materials Laboratory, PO BOX 92957-M2/242 Los Angeles, CA 90009-2957 Tel 310-336-1397 mailto:sara.r.halper@aero.org

All abstracts must be submitted (opens Aug 24, 2009) via the OASYS Web. **LAST DAY TO SUBMIT 2-PAGE PREPRINT IS MONDAY, October 19, 2009.** The submission site is available at <http://oasys.acs.org/> In fairness to all potential authors, late abstracts will not be accepted.

Submitting abstracts to the POLY Division requires BOTH an abstract and a 2 page preprint. Follow the step-by-step instructions on the template, making sure that complete mailing address information is included for the presenting and contact authors.

Nanoscience in Polymer Chemistry

Donna J. Nelson, Department of Chemistry and Biochemistry, University of Oklahoma, Norman, OK 73019.

Nonconventional Functional Block Copolymers

Patrick Theato, Institute of Organic Chemistry, Johannes Gutenberg University Mainz, Duesbergweg 10-14, Mainz 55099 Germany; Andreas F. M. Kilbinger, Institute of Organic and Macromolecular Chemistry, Johannes Gutenberg-Universität Mainz, Duesbergweg 10-14, Mainz 55099 Germany; E. Bryan Coughlin, Department of Polymer Science and Engineering, University of Massachusetts, Amherst, 120 Governor's Drive, Amherst, MA 01003-4530.

Polymer Innovations and the Global Economy: Sustainability Challenges and Commercial Opportunities

Rigoberto Advincula, Department of Chemistry, University of Houston, 136 Fleming Building, Houston, TX 77204-5003; Dennis W. Smith Jr., Department of Chemistry, Center for Optical Materials Science and Engineering Technologies (COMSET), Clemson University, Clemson, SC 29634-0973; Kathleen O. Havelka, kT Innovations, 9559 Brayes Manor Drive, Mentor, OH 44060.

Polymer Membranes and Thin Films for Energy Applications

Michael A. Hickner, Department of Materials Science and Engineering, The Pennsylvania State University, 310 Steidle Building, University Park, PA 16802; Qing Wang, Department of Materials Science and Engineering, The Pennsylvania State University, Room 305, Steidle Building, University Park, PA 16802.

Renewable and Sustainable Polymers

Gregory F. Payne, Center for Agricultural Biotechnology, Center for Agricultural Biotechnology, University of Maryland, 6138 Plant Sciences Building, College Park, MD 20742-4450.

Synthetic and Biological Macromolecules for Emerging Nanotechnologies III

Steve Clarson, Department of Chemical and Materials Engineering, University of Cincinnati, College of Engineering, 2901 Woodside Drive, Cincinnati, OH 45221-0018; Siddharth V. Patwardhan, Biomolecular and

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Materials Interface Research Group, Nottingham Trent University, School of Biomedical and Natural Sciences, Clifton Lane, Nottingham NG11 8NS United Kingdom; Kiyotaka Shiba, Department of Protein Engineering, Cancer Institute, CREST/JST, Japanese Foundation for Cancer Research, Ariake, Koutou-ku, Tokyo 135-8550 Japan; Ichiro Yamashita, Advanced Technology Research Laboratories, Matsushita Electric Industrial Co., Ltd, 3-4 Hikaridai, Seika, Kyoto 619-0237 Japan.

A Symposium in the Division of Polymer Chemistry

**239th American Chemical Society National Meeting,
San Francisco, California, USA
March 21-25, 2010**

Biological and synthetic macromolecules can exist in a number of different architectures and topologies – familiar examples include linear, cyclic, star, branched, ladder, network, hyperbranched, rotaxane and catenane species. These (bio)macromolecules can adopt a variety of configurations in two- and three-dimensional space that are on a nanometer length scale. Furthermore, they have a number of unique roles that can operate on the nanometer length scale such as self-assembly, templating, scaffolding and catalysis. Nanostructures such as carbon nanotubes and fullerenes can be made functional and soluble using macromolecules. Nature exhibits an abundance of fabulous structures that are highly species specific, hierarchical and generated with precise control. It is becoming clear that the formation of many of these ornate structures in vivo is facilitated by biological macromolecules beginning at the nanometer length scale. Nanostructures such as nanoparticles and nanofibers can be formed from (bio)macromolecules in vitro and these, in turn, can direct the formation of inorganic materials which leads to new bioinspired organic-inorganic hybrids. It is therefore quite clear that outcomes of the research – both experimental and theoretical – on biological and synthetic macromolecules are uniquely placed to impact a variety of emerging nanotechnologies ranging from nanoscale electronic and optoelectronic devices to nanoscale biomaterials for medical applications. We cordially invite you and your collaborators to join us in San Francisco for our symposium on this timely and exciting topic. Abstracts / Preprints may be submitted using the ACS site through PACS until October 19, 2009.

Stephen J. Clarson BA DPhil CChem FRSC
Professor of Chemical and Materials Engineering
University of Cincinnati
OH 45221-0012
USA

[Undergraduate Research in Polymer Science](#)

Sarah E. Morgan, School of Polymers and High Performance Materials, The University of Southern Mississippi, 118 College Dr., #10076, Hattiesburg, MS 39406; Sergei Nazarenko, School of Polymers and High Performance Materials, The University of Southern Mississippi, Hattiesburg, MS 39406.

**2011 SPRING NATIONAL ACS MEETING
March 27-31, 2011
Anaheim, CA**

Undergraduate Research in Polymer Science

Sponsored by

**Division of Polymer Chemistry
AMERICAN CHEMICAL SOCIETY**

CALL FOR PAPERS!

We announce the 6th annual symposium to recognize outstanding undergraduate students in polymer science and engineering. We ask each department (e.g., chemistry, chemical engineering, or polymer/material science) to send their best undergraduate students to speak or display a poster on his or her original research in this special symposium. Limited travel awards will be available for top preprints submitted. **\$500 Best Oral Presentation and Best Poster Presentation Awards sponsored by the POLY Industrial Advisory Board** will be awarded at the meeting.

Objective

This meeting is intended to provide recognition to outstanding undergraduate students in polymer science and engineering, to foster networking and exposure, to introduce opportunities in graduate research and to help develop the careers of future leaders in both academia and industry.

Awards

The top three preprints submitted will receive travel awards. Additionally, the top poster and oral presentation will receive monetary awards. If further funds become available, more travel awards will be distributed.

Documents Needed

Student should enter the abstract and the preprint of his or her presentation at the ACS abstract submission site <http://abstracts.acs.org>, under "Undergraduate Research in Polymer Science" in the POLY division by **October 18, 2010**. Students may request poster or oral presentation. **PREPRINT** is required.

Symposium Chairpersons

Sarah E. Morgan, Ph.D.	Sergei Nazarenko, Ph.D.
Associate Professor of Polymer Science	Associate Professor of Polymer Science
School of Polymers and High Performance Materials	School of Polymers and High Performance Materials
University of Southern Mississippi	University of Southern Mississippi
Phone: 601-266-5296	Phone: 601-266-5967
E-mail: Sarah.Morgan@usm.edu	E-mail: Sergei.Nazarenko@usm.edu

Thank you in advance for your interest and participation. If there are any questions regarding this symposium please address them to the chairpersons.

ACS Award in Polymer Chemistry: Symposium in Honor of Timothy P. Lodge

Monday, March 22, 2010. 8:30AM-12:00PM and 1:30PM-4:30PM. Continental Ballroom 4, Hilton Union Square

2010 Spring Meeting

Advances in Water Purification

Paul J. Flory Polymer Educational Award Symposium in Honor of Harry R. Allcock

Tuesday, March 23, 2010. 1:00PM-4:30PM. Union Square 15/16, Hilton Union Square

Co-sponsored symposia

"100 + Years of Plastics. Leo Baekeland and Beyond"

Sponsored by HIST

E. Thomas (Tom) Strom

2010 Spring NATIONAL ACS MEETING

San Francisco, CA (March 21-25, 2010)

Baekeland Symposium, sponsored by HIST, cosponsored by POLY, PMSE

Dear Poly Members,

A symposium entitled "100 + Years of Plastics. Leo Baekeland and Beyond" is scheduled for the Spring ACS meeting in San Francisco. This symposium is being arranged by HIST and is co-sponsored by POLY and PMSE. It celebrates the 103rd anniversary of the synthesis of Bakelite and the 100th anniversary of the founding of National Bakelite Corp. While there will be several papers on Bakelite, we hope that other important plastics, i.e. Nylon, polyethylene, polypropylene, etc. will also be the subject of presentations. The organizer would especially like to see a paper on glyptals.

Among the confirmed speakers are Carl Kaufmann, the author of the only book length biography of Leo Baekeland, Hugh Karraker, great grandson of Leo Baekeland, Jim Economy, Seth Rasmussen, and James Traynham. We hope that POLY and PMSE members will support this important historical symposium by their attendance and by some additional members presenting papers.

The symposium will be scheduled for either Monday, Mar. 22, or Tuesday, Mar. 23. The FIRM date for submission of abstracts is Oct. 26. The organizer is Dr. E. Thomas Strom, Department of Chemistry and Biochemistry, University of Texas at Arlington. About six more papers are needed to fill out the symposium. Proposals for additional papers should be discussed with the symposium organizer, who can be contacted by phone at 214-376-9602 or by e-mail at (tomstrom@juno.com).

E. Thomas (Tom) Strom