



THE AMERICAN CHEMICAL SOCIETY DIVISION OF

Industrial & Engineering Chemistry

Winter-Spring 2006 Newsletter—*Putting Science to Work*

Highlights from Washington, D. C.



Denny Hjeresen

The I&EC Division was nominated for a ChemLuminary Award at the Washington, DC, National Meeting, in August 2005, but did not win. Chair Denny Hjeresen displays the certificate the Division was given. Photo by Mrs. Hjeresen.



Bill Flank Receives Recognition Plaque

Bill Flank (right) receives a recognition plaque from I&EC for his faithful service to the Division from Denny Hjeresen (center) while Spiro Alexandratos (left) applauds. Photo by Dustin James.



The I&EC Steering Committee

Left to right, back row: Bill Crooks, Spiro Alexandratos, Rick Sachleben, Denny Hjeresen; front row: Bill Flank, Michael Gonzales, and Joe Zoeller.



The I&EC Executive Committee

Left to Right, back row: Dustin James, Denny Hjeresen, Bill Nash, Martin Abraham, Spiro Alexandratos, Michael Matthews; front row: Michael Gonzales, Melanie Lesko, Bill Flank, Bill Crooks, and Angelo Cassar.



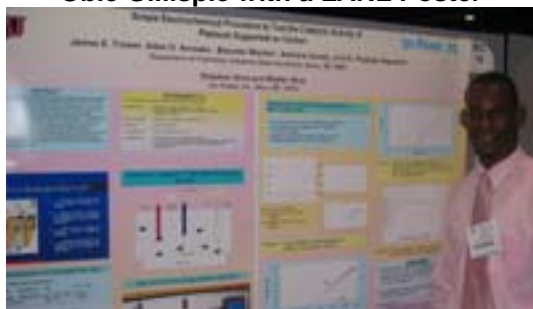
Delia-Laura Popsecu with the Carnegie Mellon University Poster



Dustin James views the I&EC Poster at the ChemLuminary Poster Session



Obie Gillispie with a LANL Poster



Bizuneh Workie with a Delaware State University Poster

All above photos by Denny Hjeresen.



Melanie Lesko, Councilor



Ken Nash, Councilor



Fall 2005 Election Results

In the fall 2005 election, Michael A. Matthews was voted to the Chair-Elect position, Rebecca M. Chamberlin was elected Treasurer, and Melanie Lesko and Ken Nash were elected to the two open Councilor positions.



Michael A. Matthews, Chair Elect

I&EC Division and Subdivision Web Sites	
I&EC	http://membership.acs.org/IIEC/
IBT	http://membership.acs.org/IIEC/html/ibt/ibt.html
SST	http://membership.acs.org/IIEC/html/sst/default.htm
GCE	http://membership.acs.org/IIEC/html/GCE/qce.html
AM&NT	http://membership.acs.org/IIEC/html/amn/amn.html
NCIA	http://membership.acs.org/IIEC/html/ncia/ncia.html

Councilor's Spring 2006 Update, from Spiro D. Alexandratos, Councilor 2005-2007

At the Washington DC meeting this past August, a few of the discussion items at the Division Councilor's Caucus were, I thought, of interest to our division and I would like to bring one that I thought especially pertinent to your attention. The need for change within the Divisions as a result of the multi-disciplinarity now prevalent in research and development was discussed. IEC has tried to meet this need over the years by its emphasis on a strong subdivision structure. Our subdivisions are not narrowly focused in order to encourage as broad a participation as possible while maintaining an identity. For example, the Separations Science and

Technology subdivision welcomes a wide variety of chemists and engineers under its umbrella. It has successfully programmed since its inception about 20 years ago and it has contributed to the formation of a great network of people with a common interest. Along with our subdivision structure, we co-sponsor symposia with other divisions when the topic is of mutual interest. Beyond that, is there anything else we can be doing as a division to better serve your multi-disciplinary interests? If you have any thoughts on this, please let me know and I will be happy to include your comments (with attribution) in the next newsletter for further discussion.

One area in which this division has been in the forefront is in maintaining close ties with the AIChE. This is only appropriate, of course, given the name of this division and the applied interests of the membership. In mid-2005, the ACS issued a Call for Proposals for the Innovative Projects Fund for Divisional Enhancement. IEC submitted a proposal entitled "Promoting ACS/AIChE Collaborations through the I&EC Division" and, I am pleased to report, we were awarded the funds to help defray the costs of putting on a special joint symposium with AIChE members at our Spring 2007 meeting on areas in which chemists and chemical engineers collaborate closely. More details will follow in the next newsletter as the symposium takes shape. However, it is safe to say that this symposium will feature areas and speakers of great interest to all of us.

Lastly, I am pleased to inform you that I have been asked to be on the Committee on Chemical Abstracts Service, a joint committee of the Council and Board of Directors. A key responsibility of the Committee is to encourage and consider suggestions from the membership concerning CAS and transmitting those suggestions to the Governing Board for Publishing and the Society's Board of Directors. As a result, if you have any issue to raise with regards to CAS, please send me an e-mail and I will most certainly raise it at the next meeting and then get back to you on its status.

Let me close by saying that I and your other councilors would be happy to help address

any issue you care to raise regarding your Division. I would also encourage you to get involved in programming symposia in areas of your interest. The process for getting your symposium in the pipeline is remarkably straightforward, thanks to the Programming Committee - just send an e-mail to [Michael Gonzalez](#), the program chair, to begin the discussion.

See you in Atlanta.

Novel Chemistry With Industrial Applications Subdivision

By Joe Zoeller

It is time to update everyone on activities in the Novel Chemistry with Industrial Applications (NCIA) Subdivision. First, I'd like to discuss NCIA's future direction. Recall that the reason for forming the subdivision was to provide a forum for novel industrially relevant chemistry which lacks a receptive forum in the classic ACS divisions. This happens often in industrial chemistry since is often cross-disciplinary nature, fails to fit the classic chemistry divisions, is too new to be classified (or claimed) by others, or is just plain too practical. One thing we need to do to make sure we continue to meet this need is to increase our membership, so please make sure you check the membership box for Novel Chemistry with Industrial Applications when you renew your ACS membership. It is free with membership in the Industrial and Engineering Chemistry Division.

While we need more members, as you'll see by our subsequent discussion of the symposia under development, we are beginning to gather momentum as a subdivision and beginning to fulfill our mission. We hope to continue the momentum, especially in cross disciplinary efforts, by more closely working with other divisions in ACS and with the American Institute of Chemical Engineers (AIChE) to bring joint programming to ACS and AIChE meetings through our subdivision.

Our goals for 2006 are:

- Increase membership. We are still a very small organization.
- Tie into Divisional goal of increasing interaction with AIChE. Our program

- o on Process Intensification is an effort in that direction.
- o Connect our multidisciplinary programming efforts to other ACS divisions (co-listing and co-sponsoring symposia) to increase exposure in ACS. (This is new.)
- o Increase participation in leading the sub-division.

Joseph Zoeller, Eastman
Chemical Co., research
Laboratories

- 4) *Industrial Applications of Computational Chemical Structure Modeling*
Organizer: Hongmei Wen, United Technologies Research Center

Symposia in the Subdivision.

The upcoming year will see the fruition of a long term effort by the organizing committee to bring industrially relevant symposia to the division. We have initiated and are sponsoring or co-sponsoring the following symposia in 2006.

Atlanta, Spring 2006

- 1) *Detection of Biological and Chemical Agents in Warfare and Food Safety.*

Organizer: Cyndi Wells,
Nonproliferation Division, N-4, MS E541

- 2) *Applications of Ionic Liquids.*

Organizer: Robin Rogers,
Department of Chemistry, The
University of Alabama
(Cosponsored with S&ST, Green
Chem.)

San Francisco, Fall 2006

- 1) *Chemistry in the Electronics Industry*

Organizer: David Ginley, National
Renewable Energy Lab, 1617 Cole Blvd

- 2) *Process Intensification (Jt. Symposium with AIChE – moved from San Diego)*

Organizer: Yong Wang, Pacific
Northwest National Laboratories
We intend to work with AIChE in co-sponsoring this symposium

- 3) *In-Situ Spectroscopic Monitoring in Process Development and Production*

Organizers:
Paul Barrett, Ph.D,
Technology and Applications
Consultant Group, Real Time
Analytics, Mettler-Toledo
AutoChem, Inc.

We are currently working on what we might present in 2007. Program ideas that are currently being discussed are:

- 1) Alternative Feedstocks
- 2) Polymers from Renewable Resources/Biodegradable Polymers
- 3) Chemical Industry Supply Chain in the 21st Century
- 4) Supercritical fluids in polymerization/depolymerization

If you have additional suggestions, please let me know so that we can start working on bringing symposia of interest to the division.

Please send me your symposia suggestions. Remember to check the Novel Chemistry with Industrial Applications Subdivision when you renew your ACS membership and tell your colleagues about us.

P.S. If any of you are interested in joining the subdivision, but already sent in your membership, just let me know of your interest by email and all add you to the unofficial list.

Joseph R. Zoeller
Chair, Novel Chemistry with Industrial Applications

Contact Information:
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I&EC REGIONAL AND LOCAL PROGRAMMING FUND

Summary: The Industrial and Engineering Chemistry Division has established a fund of

\$10,000 per year to conduct joint programming with ACS regions and local sections. Programming would be tied to the interest areas represented by I&EC and its subdivisions.

Background: The Industrial and Engineering Chemistry Division supports the effort within the ACS to strengthen regional and local activities. The Division has already encouraged and co-sponsored ACS Innovation Awards linked to regional outreach activities. However, I&EC needs to establish a stronger presence at the regional and local level in order to:

- Increase awareness of I&EC
- Attract new members to the Division
- Recruit a new generation of leadership for the Division
- Better serve industrial members who do not travel to national meetings
- Establish stronger programming to feed national meetings
- Reach out to younger members

Selection Criteria: Basic project selection criteria include:

- Is the request for preferred activities?
- Technical programming?
- Young industry member participation?
- Employment opportunity development?
- Recognition for industry activities?

Does the programming technically fit with I&EC and its subdivisions?:

- Green Chemistry and Engineering
- Advanced Materials and Nanotechnology
- Industrial Bio-based Technology
- Novel Chemistry with Industrial Applications
- Separation Science and Technology
- Are matching funds available (e.g., Innovation Fund)?
- The activity must recognize I&EC co-sponsorship.
- Is the activity directed at industrial member participation?
- Does the activity represent a collaboration with other organizations?

Size of request vs. expected outcome.

Specific identification of requested costs (travel, speaker fee, reception, etc.)

Program Management:

- I&EC has committed to a three year pilot of the program to gauge demand and effectiveness.

- The I&EC Program would be announced at the annual P2C2 meeting in October or I&EC Past Chair.
- Proposals would be submitted to the Program Chair.
- Proposals would be selected twice per year at the National ACS meeting by a the I&EC Executive Committee (or a designated subcommittee) with approval requiring a majority approval
- There is a funding cap of \$2000 per proposal
- Funding can be used for activities up to two years away

Proposal Deadlines:

Fall 2006: August 31, 2006

Spring 2007: February 28, 2007

Fall 2007: July 31, 2007

Spring 2008: March 15, 2008

Fall 2008: July 31, 2008

Contact:

Michael Gonzalez, Program Chair
gonzalez.michael@epa.gov

Dr. Dennis L. Hjeresen

Past-Chair, I&EC Division

Environmental Stewardship Division

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(505 665-7251) Phone

(505 606-0501) FAX

dlh@lanl.gov (e-mail preferred)

231th ACS National Meeting

March 26-30, 2006

Atlanta, GA

The IEC Technical Program is available at

<http://oasys.acs.org/acs/231nm/techprogram/IEC.HTM>

Call for Papers

***In Situ* Spectroscopic Monitoring in Process Development and Production.**

(Organizers: Paul Barrett, Mettler-Toledo AutoChem and Joe Zoeller, Eastman Chemical Company) The organizers of the symposium entitled "In Situ Spectroscopic

Monitoring in Process Development and Production" to be held at the Fall 2006 National Meeting in San Francisco will be soliciting papers for the symposium. The symposium will focus on applications of *in situ* spectroscopy, with special emphasis on infrared spectroscopy, as a means of monitoring reactions to assist in the development or control industrial processes. The scope includes batch, continuous, and catalytic processes. OASYS, the ACS on-line abstract submission system, will begin accepting papers on February 20, 2006 and will continue to accept papers through April 30.

**Symposium "ThermoML: Purpose, Structure, and Applications" and "ThermoML" reception
March 27, 2006
ACS Spring National Meeting,
Atlanta, Georgia**

The Symposium "ThermoML: Purpose, Structure, and Applications" at the Spring National Meeting of the American Chemical Society (ACS) will be held on March 27, 2006 in Atlanta, Georgia. This Symposium is organized by the Division of Chemical Information of the ACS (co-sponsored by the Divisions of Industrial and Engineering Chemistry and Physical Chemistry). This Symposium is of a particular importance in a light of the ThermoML becoming (March, 2006) a new IUPAC standard for thermodynamic property data storage and exchange. The role of ThermoML in thermodynamic data communications is reflected in making significant impact for a development of efficient chemical engineering applications including chemical process design, providing new capabilities for data delivery from 'data producers' to 'data users', establishing software 'tools' designed to improve the quality of the published experimental data as well as new mechanisms for development of the variety of data products serving scientific and engineering communities. The development of the ThermoML and the software infrastructure supporting it lead to a unique cooperation between 5 major journals in the field (Journal of Chemical and Engineering Data, Journal of Chemical Thermodynamics, Fluid Phase Equilibria, Thermochimica Acta, and International Journal of Thermophysics)

published by 3 scientific publishers (ACS, Elsevier, and Springer), NIST, IUPAC, and leading chemical process design companies.

The Symposium program: <http://oasys2.confex.com/acs/231nm/techprogram/S19834.HTM> <http://oasys2.confex.com/acs/231nm/techprogram/S20712.HTM> will consist of 10 presentations (NIST, UC-Berkeley, Canada, UK, Germany, Netherlands, New Zealand) within two sessions. The Morning session will begin at 9: 00 am (Room B303, Georgia World Congress Center) and will consist of the Introductory Remarks and following 6 presentations to be finished at 12 noon. The Introductory Remarks will be given by Dr. Willie E. May, Director of Chemical Science and Technology Laboratory of the U. S. National Institute of Science and Technology, Prof. Bryan R. Henry, IUPAC President (University of Guelph, Canada), and Dr. Catherine T. Hunt, President-Elect of the ACS (Rohm and Haas Company). The Afternoon session will begin at 1:30 pm and will consist of 4 presentations scheduled to be finished at 3:30 pm. These sessions will follow by a reception scheduled for 6:30 pm at the Room B308, Georgia World Congress Center (non-ticket free attendance event featuring the same honorable guests). The sessions and the reception will be co-sponsored by the IUPAC, NIST, FizChemie (Germany), and Elsevier (Netherlands) along with the ACS.

**Call for Papers
2006 ACS Division of Industrial
and Engineering Chemistry
Novel Chemistry with Industrial
Applications Subdivision
Symposium on**

**Computational Material Design in
Chemical Industries**

**At the 232nd ACS National
Meeting, September 10-14, 2006 in
San Francisco, CA**

Computational material design has developed rapidly in the past decade and is

starting to play a significant role in technology innovation and development in the United States and worldwide. This symposium is designed for scientists, engineers and managers from industries, universities, and governments to share the latest developments in computational material design and define the roadmap for making computational material design a routine part of product innovation in the chemical industry. The integration of computational material design into the product innovation and development process will enable substantial reduction in the product development cycle, shorting the period between concept to market and significantly reducing the amount of costly and time-consuming experimentation.

This symposium welcomes works on all aspects of computational material design. Topics may include, but are not limited to:

- Overview of the computational modeling tool development using Density Functional Theory, Molecular Dynamics and Monte Carlo and Finite Element Analysis and so on.
- Overview of the latest theory development in computational material design
- Overview of the latest development in computing facilities and algorithms
- Challenges of current computational material design development, such as multiscale modeling from atomistic modeling to macroscale modeling.
- Case study of applications, such as fuel, chemicals, catalysts, polymers, colloid, nanotechnology, renewable material, green building materials, renewable/alternative energy, composites, ceramics, biomaterials, pharmaceuticals, semiconductor, additives, tribology and geochemistry.
- The methods to predict the chemical, material and mechanical properties of a material.
- Overview of the perspectives and funding opportunities on computational material design from government and industries.

Symposium Organizers:

Anthony Cugini U.S. Department of Energy Computational and Basic Sciences, 626

Cochran Mill Road, P.O. Box 10940, Pittsburgh, PA 15236-0940; Phone: 1-412-386-6023 FAX: 1-412-386-5920 email: Anthony.Cugini@netl.doe.gov; **David Sholl** Carnegie Mellon University, Dept. of Chemical Engineering, Pittsburgh, PA 15213, USA Phone: 1-412-268-4207 FAX: 1-412-268-7139 email: sholl@andrew.cmu.edu; **Hongmei Wen** United Technologies Research Center, 411 Silver Lane, East Hartford, CT 06018, Phone: 1-860-610-7496, FAX: 1-860-660-9955 email: wenh@utrc.utc.com. Online abstract submissions due by April 30, 2006 using OASys at <http://oasys.acs.org/> (OASys opens for submissions on February 20, 2006)

Fall 2007 National ACS Meeting
San Francisco, California
September 10-14, 2006
Division of Industrial and Engineering Chemistry

Advanced Materials for Microelectronic Packaging (Sponsored by Advanced Materials and Nanotechnology Sub-Division) (Oral symposium #7838.) Sponsored by Division of Industrial and Engineering Chemistry.

Chemistry in the Electronic Industry (Sponsored by Novel Chemistry with Industrial Applications) (Oral symposium #8152) Sponsored by Division of Industrial and Engineering Chemistry

Organizer: David S. Ginley, National Renewable Energy Laboratory, 1617 Cole Blvd, Golden, CO 80401

Fuel Cells (Sponsored by Green Chemistry and Engineering Sub-Division) (Oral symposium #7408). Sponsored by Division of Industrial and Engineering Chemistry

Organizers: Martin A. Abraham, Department of Chemical Engineering, University of Toledo, 2801 W. Bancroft, Toledo, OH 43606; Michael A. Matthews, Department of Chemical Engineering, University of South Carolina, Swearingen Engineering Center, S. Main Street, Columbia, SC 29208

Green Chemistry and Engineering Poster Session (Poster symposium #7412)
Sponsored by Division of Industrial and Engineering Chemistry, Cosponsored with Committee on Environmental Improvement.

High Performance Composites (Sponsored by Advanced Materials and Nanotechnology Sub-Division) (Oral symposium #7837)
Sponsored by Division of Industrial and Engineering Chemistry

IEC Poster Session (Poster symposium #7413)
Sponsored by Division of Industrial and Engineering Chemistry

Organizer: Hollie Jacobs,
Department of Chemistry and Biochemistry, New Mexico State University, Las Cruces, NM 88003

In-Situ Spectroscopic Monitoring in Process Development and Production (Sponsored by Novel Chemistry with Industrial Applications Sub-Division) (Oral symposium #7840.)
Sponsored by Division of Industrial and Engineering Chemistry

Organizers: Paul Barrett,
Technology and Applications Consultant Group, Mettler-Toledo Autochem, Inc, 8223 Cloverleaf Drive, Millersville, MD 21108;
Joseph R. Zoeller, Research Laboratories, Eastman Chemical Company, P.O. Box 1972, Kingsport, TN 37662-5150

Industrial Applications of Computational Chemical Structure Modeling (Sponsored by Novel Chemistry with Industrial Applications Sub-Division) (Oral symposium #7410)
Sponsored by Division of Industrial and Engineering Chemistry

Organizer: Hongmei Wen, Active Materials Group, United Technologies Research Center, 411 Silver Lane, 129-30, East Hartford, CT 06108

Molecular Containers (Sponsored by Separation Science and Technology Sub-Division) (Oral symposium #7416.)
Sponsored by Division of Industrial and Engineering Chemistry

Organizers: Darren W. Johnson,
Department of Chemistry, University

of Oregon, Eugene, OR 97403;
Benjamin P. Hay, Chemical Sciences Division, Pacific Northwest National Laboratory, PO BOX 999, Richland, WA 99352

Nanomedicine (Sponsored by Advanced Materials and Nanotechnology Sub-Division) (Oral symposium #7409.)
Sponsored by Division of Industrial and Engineering Chemistry, Cosponsored with Division of Medicinal Chemistry

Organizer: Alexander Wei,
Department of Chemistry, Purdue University, 560 Oval Drive, West Lafayette, IN 47907-2038

Process Intensification (Sponsored by Novel Chemistry with Industrial Applications Sub-Division) (Oral symposium #7839)
Sponsored by Division of Industrial and Engineering Chemistry, Cosponsored with AIChE and AChE's Sustainable Engineering Forum

Organizer: Yong Wang, Pacific Northwest National Laboratories, Richland, WA 99352

Sci-mix (SciMix symposium #7414.)
Sponsored by Division of Industrial and Engineering Chemistry

Separation of f-Elements (Sponsored by Separation Science and Technology Sub-Division) (Oral symposium #7415.)
Sponsored by Division of Industrial and Engineering Chemistry, Cosponsored with Division of Nuclear Chemistry & Technology

Organizers: Kenneth L. Nash,
Chemistry Department, Washington State University, PO Box 644630, Pullman, WA 99164-4630;
Dale D. Ensor, Department of Chemistry, Tennessee Technological University, Box 5055, Cookeville, TN 38505



The American Chemical Society is pleased to invite registrations for the 2006 ACS ProSpectives Conference Series

Click on a conference for a summary of each program, links to further details,

and the conference [on-line registration](#) site.

[Process Crystallization in the Pharmaceutical & Chemical Industries](#)
April 25 - 27, 2006 Philadelphia, PA

[Discovery & Selection of Successful Drug Candidates](#)
May 7 - 10, 2006 Cambridge, MA

[Applying Mechanisms of Chemical Toxicity to Predict Drug Safety](#)
June 4 - 6, 2006 Washington, D.C.

[Successful Protein Therapeutics: The Interconnection of Formulation, Process Development & Manufacturing](#)
July 23 - 26, 2006 San Diego, CA

[Pharmacokinetics & Pharmacodynamics for Medicinal Chemists: Achieving Therapeutic Efficacy](#)
August 20 - 22, 2006 Boston, MA

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Every presentation at an ACS ProSpectives conference is hand-picked **by the conference chairs** from among the top authorities on the subject. At our conferences, you hear presentations on the latest in scientific research and technical innovation - not sales pitches.

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- Attendance limited to 200 registrants, so you will have the chance to network with speakers and fellow attendees
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- Venues that are comfortable, in easy-to-reach cities

Please go to our website, www.acsprospectives.org, for detailed information on each conference, and to [REGISTER](#) for a conference.

ACS ProSpectives conferences have limited registration and do sell out - please register as soon as possible to guarantee a seat.

- [Spring 2006 Webcast Courses](#)— From the convenience of your computer, receive live, interactive, training online. Hone your skills in **technical writing, leadership, pharmacology for chemists, or toxicology**. Or brush up on the fundamentals with courses in **GC, FTIR, HPLC, IR spectral interpretation, chemical engineering, statistical analysis, organic chemistry, and Introduction to Chemistry for Technicians**. Webcast courses feature small classes and provide individual attention. Registration is now open!

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Fax: (202) 872-6336.



The Spring 2006 ACS Continuing Education Catalog is Now Available Online!

Access the Latest Information on :

- [Short courses conjunction with the 231st ACS National Meeting in Atlanta, GA.](#)
- [Hands-on, Lecture-Laboratory Short Courses!](#)
- [Online Courses](#)
- [ACS Prospectives Conferences](#)
[ACS In-House Courses](#)

Register for an ACS Short Course Today!

2006 Classes now scheduled for:

- **Atlanta, GA March 28-30, 2006 in conjunction with the 231st ACS National Meeting**

29 courses will be offered, including **NEW** courses on: HPLC in Pharmaceutical Analysis - Applied Molecular Modeling - Drug Metabolism - Pharmacokinetics for Chemists - Stability Testing in Pharmaceutical Development 7 Patents and Other Forms of Intellectual Property - Writing Reasonable Organic Reaction Mechanisms; see www.chemistry.org/shortcourses for complete information.

AMERICAN CHEMICAL SOCIETY Job Listing—Assistant Director, Division Advancement

The American Chemical Society (ACS) is seeking an Assistant Director, Division Advancement for its Membership division. The incumbent will provide oversight leadership and direction for the activities and programs emerging from the Department of Division Advancement, which primarily

exists to support and advance the mission of the 33 ACS technical divisions within the ACS, and as well as the Divisional Activities Committee. The incumbent will:

- Collaborates and builds commitment for strategic direction and planning for the Society's programs to advance the mission of the ACS technical and professional divisions.
- Manages all aspects of the Department of Division Advancement
- Supports the activities of the Divisional Activities Committee and interacts with and provides information to other governance groups and staff units
- Analyzes, understands, and manages complex internal and external environments. Communicates with internal staff, external members/volunteers
- Monitors constantly the external environment in which our divisions operate to provide the most advance notice possible with respect to emerging threats or opportunities.
- Provides counsel and support to task forces or other committees of governance

QUALIFICATIONS: The successful candidate will have a college degree or equivalent experience; 10+ years of experience, Ph.D. in chemistry preferred; including managing a staff, developing and implementing strategic plans, budget creation and experience in writing project plans. Salary is commensurate with experience. Please submit your résumé by either, Email: employment@acs.org; Fax: 202-872-4077; or Mail address: 1155 16th Street, NW Washington, DC 20036 Attn: Human Resources. ACS is a drug-free, smoke-free, equal opportunity employer.

I&EC Subdivision Programming Chairs

Industrial Biobased Technologies
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Novel and Applied Industrial Chemistry

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Advanced Materials and Nanotechnology

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Industrial & Engineering Chemistry Division Officers (Bold) and Executive Committee Members for 2006

Position	Term	Name	E-mail
Chair	2006	Rick Sachleben	richard.sachleben@solvias.com
Chair-elect	2006	Michael A. Matthews	matthews@enr.sc.edu
Past-Chair	2006	Denny Hjeresen	dlh@lanl.gov
Treasurer	2006 - 2007	Rebecca M. Chamberlin	rmchamberlin@lanl.gov
Secretary	2004 - 2006	Bill Crooks	crooks@lanl.gov
Councilor	2005 - 2007	Spiro Alexandratos	alexsd@hunter.cuny.edu
Councilor	2006 - 2008	Melanie Lesko	Leskom@tamug.tamu.edu
Councilor	2006 - 2008	Ken Nash	knash@wsu.edu
Councilor	2004 - 2006	Martin Abraham	martin.abraham@utoledo.edu
Program Chair	2006 - 2007	Michael Gonzalez	gonzalez.michael@epa.gov
Program Secretary	2004 - 2006	(open)	
Web/Newsletter	2006 - 2007	Dustin James	dustin@rice.edu
Book Pubs/Publicity	2004 - 2006	(open)	
Awards	2004 - 2006	Ronald L. Yates	ryates@dow.com
Membership	2002 – 2006	Steven J. Cooke	scooke@sprynet.com
Parliamentarian	2004 - 2006	Robin Rogers	RDRogers@bama.ua.edu
Industrial Relations	2004 - 2006	(open)	
Historian	2004 - 2008	Ralph Gatrone	rgatrone@vsu.edu
Subdivisions			
SS&T Chair	2006	Ben Hay	ben.hay@pnl.gov
SS&T Vice-Chair*	2006	Amudhu Gopalan	agopalan@nmsu.edu
GC&E Chair	2006	Philip G. Jessop	Jessop@chem.queensu.ca
GC&E Chair-elect *	2006	TBD	
IBT Chair	2006	Graham G Swift	GrahamGswift@aol.com
AMN Chair	2006	Florian Schattenmann	florian.schattenmann@crd.ge.com
AMN Chair-elect *	2006	TBD	
NCIA	2005	Joe Zoeller	jozeller@eastman.com

* Non-executive committee positions