



THE AMERICAN CHEMICAL SOCIETY DIVISION OF  
**Industrial & Engineering  
Chemistry**

**Summer-Fall 2008 Newsletter—Putting Science to Work**



*Dr. Bruno Notari (left), Director of Chemistry and Materials Research at ENI (now retired), accepts the I&EC Division Fellow Award from I&EC Division Chair Gregg Lumetta at the New Orleans Meeting. Dr. Ruben Carbonell (not shown), Frank Hawkins Kenan Distinguished Professor of Chemical Engineering at North Carolina State University and Director of its William R. Kenan, Jr. Institute for Engineering, Technology and Science, was also named an I&EC Fellow.*

## **Centennial Celebration in Philadelphia!**



I&EC has some big things planned for the Division's 100<sup>th</sup> anniversary party in Philadelphia. There's a major reception, with food and drink, to be held at the Chemical Heritage Foundation's new hall at 315 Chestnut Street on Sunday, August 17 from 6 to 8:30pm, and there will be bus service from the convention center. All I&EC members are invited to join the crowd, but we ask that you RSVP to [division@acs.org](mailto:division@acs.org). This will be a presidential event, and ACS officers and staff will be there, as well as officers of the other ACS Divisions, to help us celebrate our "first among equals" status. Tours of the new hall and museum will take place during the evening's activities.

There are several special sessions related to our centennial that you will want to attend. A symposium organized by Spiro Alexandratos to celebrate the 100<sup>th</sup> anniversary of the publication of I&EC Research is being held on Sunday and Monday, and an invited symposium presenting the chapters of ACS Symposium Series 1000, the centennial volume covering the past 100 years of progress in industrial and engineering chemistry and a prognosis for the future, will be presented on Tuesday. We expect to have a sample copy of the book available at the meeting, and orders can be placed for copies, which will be available in the Fall. The co-editors and symposium organizers on this big project are Martin Abraham, Bill Flank and Mike Matthews.

And don't forget to see one of the Division officers for your souvenir I&EC centennial lapel pin, which was available in New Orleans and which will also be available in Philadelphia. Our Tuesday evening poster session is a good place to run into them. The pin is a collectible that will help you remember we've got a proud history, and you're part of it. You can use it to start a conversation, or even to recruit a friend or acquaintance to the Division. Don't miss the chance to be in on all the centennial activities. The next one is quite a way off!

Hope to see you in Philadelphia - it should be a good meeting.

Bill Flank  
Division Historian

**PLEASE JOIN THE EXECUTIVE  
COMMITTEE OF THE  
ACS DIVISION OF INDUSTRIAL &  
ENGINEERING CHEMISTRY  
IN A SPECIAL CELEBRATION OF THE  
DIVISION'S CENTENNIAL YEAR  
SUNDAY, AUGUST 17, 2008  
6:00-8:30 P.M.**

**HORS D'OEUVRES AND RECEPTION**

**CHEMICAL HERITAGE FOUNDATION\*  
315 CHESTNUT STREET  
PHILADELPHIA, PENNSYLVANIA**

**PLEASE SEND YOUR REPLY TO**

**DIVISION@ACS.ORG BY JULY 10 TO BE  
INCLUDED IN OUR CELEBRATION**

**Business casual or cocktail attire  
\*Shuttles will be available from the  
Pennsylvania Convention Center**

**beginning**

**at 5:30 p.m. Tours of the building will be  
conducted throughout the reception.**

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## **Candidates I&EC for Election, Fall 2008**

For Chair Elect  
Michael Gonzalez, US EPA

For Secretary  
Ann Visser, Savannah River National  
Laboratory

For Counselor (two positions)  
Ken Nash, Washington State University  
Melanie Lesko, Texas A&M Galveston

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Candidate Statements

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### **Ann Visser, Secretary Candidate**

Ann Visser is a Principal Scientist in the Separations Science Programs Section at Savannah River National Laboratory in Aiken, South Carolina. She earned her Ph.D. in Inorganic Chemistry under the direction of Dr. Robin Rogers at The University of Alabama. As a graduate student, she performed research at Argonne National Laboratory with a Guest Graduate Appointment in both the Chemical Technology and Chemistry Divisions. In 2002, she received the AIChE Separations Division Graduate Student Research Award in Extraction and The University of Alabama's Excellence in Research by a Doctoral Student Award.

At SRNL, Ann's research includes tasks supporting the actinide separation processes in the Savannah River H- Canyon (i.e., fuel cycle dissolution and solvent extraction) and HB-Line (i.e., plutonium and neptunium processing). Recent tasks established flowsheet conditions for dissolving legacy plutonium- and uranium-containing materials, contributed to the study of gadolinium as a soluble neutron

poison for uranium and plutonium solutions, and performed solvent extraction studies to verify uranium and molybdenum extraction for alloy dissolution. She remains active in ionic liquids research and, more recently, is involved with Homeland Defense / Security and nuclear nonproliferation activities.

Ann has been an I&EC division member since 1997 and has presented posters and presentations in the I&EC division at national ACS meetings.

#### **Ken Nash, Councilor Candidate**

Ken Nash is Professor of Chemistry at Washington State University in Pullman, Washington. After spending the nearly 25 years in government service to the Department of Energy at Argonne National Laboratory, to the Department of Interior's U.S. Geological Survey and a one year stint as an industrial chemist with Dow (long ago), he joined the Faculty in the Chemistry Department at WSU in the summer of 2003. His background and interests are in radiochemistry and nuclear chemistry, with primary emphasis on chemical separations and actinide science. His research is focused on contemporary issues in radioactive materials management, in helping to shape the future of the nuclear fuel cycle in the U.S., and perhaps most importantly in the education of the next generation of "isotope experts". Opportunities for graduate level education in nuclear and radiochemistry has nearly disappeared from the academic community around the U.S. and globally. Both fundamental science and applications of actinides, lanthanides, important fission products and other metal ions that contribute to greater understanding of these species are the primary emphasis for his research group. He is Co-editor of the journal *Solvent Extraction & Ion Exchange* and an Associate Editor for *Radiochimica Acta*.

#### **Statement**

As I have attempted to serve the interests of the I&EC Division during the past three years as a Councilor, I have simultaneously had the obligation to complete my transition from federal government service to the halls of academia. What an exciting, challenging

and at times frustrating experience it has been! Each of these activities bring different challenges to my daily existence (life is never boring), but active engagement in the profession of chemistry is something I consider an obligation to the society we are privileged to serve. At times the work load has been overwhelming, but I am still standing and thus prepared to continue serving the Division and the ACS. I have been a member of the Divisional Activities Committee (DAC) for the past four years. Through that committee assignment, I have had an opportunity to participate in discussion of the growing emphasis on thematic programming at National meetings and the increasing emphasis of Divisions in technical programming at the regional and local section level. The DAC has provided advice and guidance for the change in technical Division financial allocations from ACS. These changes have substantially improved the fiscal health of each technical Division within the ACS and have thus made increased participation of the Division in local and regional meetings more feasible. I am pleased to have had an opportunity to represent the Division in Council and on the DAC. Though life in the 21<sup>st</sup> Century sometimes seems overwhelming, I will be pleased to continue serving the Division in the capacity of Councilor for the next three years if you elect to allow me to continue.

#### **Melanie Lesko, Councilor Candidate**

I have been an active division member since 1979 and I&EC councilor since 1993. I have served I&EC by participating in division programming, attending many of its meetings and functions and representing its interests at Society meetings. I am currently a full member of the ACS Meetings and Expositions Committee (since 2007, associate member 2005-2006). I have also served on the Women Chemists Committee (1993-2002), Constitution and Bylaws (1997-1998) and Divisional Activities Committee (1999-2004). I attended other Society committee meetings as liaison, and I served on the canvassing committee for nominations for the ACS Industrial Chemistry Award (2002-2004). Interestingly I was recruited into the division many years ago by a colleague at Exxon Research & Engineering, and I was encouraged to stay

active in the division after I moved to Texas A&M University at Galveston.

As an active I&EC member and councilor of long standing I believe my value to the division is to provide visibility, guidance and counsel. I interact regularly with ACS staff and with lots of councilors from other divisions and therefore I am able to pass along to the officers of I&EC information about general trends and directions the Society is taking, and to present and promote I&EC views in a number of Society venues.

ACS staff continues to actively seek new ways to change the Society to make it more attractive to active participation from industrial chemists, and to people who are chemists but who are not working in "traditional" chemistry areas. They are also open to suggestions for how to make ACS the place anyone would think of to look for information and professional interactions regarding all things chemistry related. Thanks in part to your councilors, the staff have made certain to include I&EC people in the brainstorming activities for how the Society might proceed to reinvent itself. I&EC focus on applications is and can continue to be a natural rallying place for these underserved chemists. It is important to closely monitor and to make contributions to this process to maintain the division identity and health, but also find ways to ultimately help our profession prosper, and this is exactly what I will continue to do as your councilor.

If you choose to honor me with re-election, I promise to stay active, both in the division and in the Society. I often solicit your input, but rarely hear from the silent majority. I assume that means you trust my judgment on issues relevant to the division. I always try to make my choices and votes reflect the best interests of chemical engineers and industrial chemists and/or I&EC division. Thank you for your support.

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**From the I&EC Chair Gregg  
Lumetta**

Summer has just begun, but the fall ACS meeting in Philadelphia is fast approaching.

Maybe that is because the "fall" meetings now are held in the summer (at least I have always been led to believe that August was in the summer). I hope to see many of you in Philadelphia, because there are many exciting events planned. The featured technical symposium sponsored by the I&EC include Celebrating the 100<sup>th</sup> Anniversary of the Journal of Industrial & Engineering Chemistry Research, Chemistry in the Electronic Industry, Environmental & Economic Metrics for Green Technologies, and Synthetically Useful Organic Molecules from Renewable Resources. There will also be a symposium featuring distinguished authors that contributed to our centennial book, *Innovations in Industrial and Engineering Chemistry: A Century of Achievements, and Prospects for the New Millennium*. Finally, an ACS Presidential symposium is being planned to honor those divisions that are celebrating their centennials this year, including I&EC. Robin Rogers will serve as the I&EC keynote speaker at the Presidential Symposium. More information concerning upcoming programming can be found elsewhere in this newsletter.

Speaking of the book commemorating the I&EC centennial, it is scheduled to be available in time for the Fall ACS meeting. Congratulations (and thanks) to the editors—Bill Flank, Mike Matthews, and Martin Abraham. These three gentlemen worked diligently to put together a high quality book to honor the Division centennial. Be sure to add this to your reading wish list. By the way, if you cannot remember the title (given above), the book will be ACS Symposium Series Number 1000, which should be an easy number to remember.

As mentioned in the previous newsletter, the I&EC Division will undertake an exercise in strategic planning in October. Please remember to fill out the survey that will be distributed to Division members in September. It is vital that we have a sound understand of the needs and expectations of the I&EC members. And of course you do not need to wait for the survey to express your opinions. Feel free to contact me (gregg.lumetta@pnl.gov) as to how we can

improve the Division. I look forward to hearing from you.

Gregg Lumetta

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## **I&EC Facebook Group—Join In!**

Pete Smith has set up an I&EC group in Facebook. Feel free to join the group, make comments, etc. We'll see how it works out as a communication tool. The site is: <http://www.facebook.com/group.php?gid=11736689063>.

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## **From the Councilor—Spiro D. Alexandratos, Councilor 2008- 2010**

I am pleased to announce that during the week of June 16th, the I&EC Award Committee (Martin Abraham, Michael Gonzalez, Mike Matthews, and myself) named Dr Madan Bhasin (Senior Scientist, Dow Chemical Company) and Dr Kenneth Klabunde (University Distinguished Professor, Department of Chemistry, Kansas State University) I&EC Division Fellows. They were chosen from a truly impressive list of nominees. The awards will be presented at the Spring 2009 ACS meeting. More information about the awardees will be given in the Spring newsletter.

This is the third time that the I&EC Division Fellows Award has been made. For each of the past three years, it has been gratifying to note the very high caliber of the nominees and, of course, of the awardees. The purpose of recognizing the outstanding work done by chemists and engineers has certainly been accomplished. This is most appropriate for a division whose focus is applied / industrial chemistry and engineering.

At the upcoming Fall ACS meeting, the Executive Committee will be reviewing all aspects of the award - including its criteria and its role in meeting the goals of the Division. If you have any issues that you would like to raise, please send them to me

(alexsd@hunter.cuny.edu) and I will make sure that they are addressed at the meeting. I will then follow up with you after the meeting to let you know the results of the discussion. (I should emphasize that this is true for all issues - your input on all aspects that YOUR Division deals with is always sought. You are welcome to contact any of the officers listed in this newsletter with any concerns that you would like to raise.)

As detailed in e-mails and this newsletter, the Philadelphia meeting marks an important anniversary milestone for this Division. We are all a part of this milestone and its celebration. Philadelphia is a beautiful city, easy to get to by air, train, or car, and easy to navigate so that you can find lower cost hotel options at the outskirts of the central part of the city where the meeting will be held. We are all pressed for time given numerous obligations, but taking two or three days to reconnect with chemistry and this Division in Philadelphia will be time well spent.

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## **From the Councilor—Martin Abraham, Councilor 2007- 2009**

I would like to update you on the activities of the Committee on Environmental Improvement (CEI), through which I continue to work towards increased sustainability activities for ACS.

The sustainability subcommittee of CEI is beginning the process of updating the ACS policy statement on sustainability. This statement represents the approved ACS position on this issue, and will be the central theme of ACS efforts to promote national legislation that moves the U.S. to become a more sustainable society. In order to get a better sense on how we can accomplish this effort, CEI and I&EC organized a workshop on "Barriers to the implementation to sustainability" during the recent meeting in New Orleans. This workshop demonstrated the central role that chemists will have in developing sustainable solutions for today's global challenges. Whether it is in the area of clean energy, toxics use reduction,

drinking water supply, or other sustainability challenges, we need to identify ways to accelerate the adoption of sustainable solutions by industry, and thus the incorporation of these solutions into modern society. Our workshop developed some ideas, which we are now assembling for dissemination. The information collected in the workshop will also serve to underpin the discussion of our new ACS policy statement, which we will be completing before the end of this year. I welcome your thoughts on how we can reduce the barriers to adoption of sustainable solutions.

Many of you have also probably noticed that ACS is in the midst of promulgating a new strategic plan for the Society. I was personally extremely disappointed that sustainability did not play a more central role in the strategic plan, and working with my CEI colleagues, we have been able to move ACS in the direction in which this topic will now be more broadly incorporated. Over the next several months, we will be involved in discussions with ACS leadership to determine the best ways to incorporate sustainability into the strategic plan. I am optimistic that you will soon see the ACS commitment to sustainability embedded within its central planning document. I am also confident that you will see further efforts on the part of the ACS organization to adopt sustainable practices within its own operations. The ACS Headquarters in Washington was recently designated as an EnergyStar building, demonstrating the commitment of the Society to doing its part. Further efforts, including more sustainable meetings, are also underway. Please let me know how we can do even more in this area. I appreciate the opportunity to represent your views to ACS, and look forward to continued efforts in these areas. Any comments, questions, concerns, or suggestions can be forwarded to me at [martin.abraham@ysu.edu](mailto:martin.abraham@ysu.edu). I look forward to hearing from you.

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**I&EC REGIONAL AND LOCAL  
PROGRAMMING FUND  
ANNOUNCED**

**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 will 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

**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

**Please remember, the activity must recognize I&EC co-sponsorship!**

**Other Criteria:** Are matching funds available (e.g., Innovation Fund)? Is the activity directed at industrial member participation? Does the activity represent a collaboration with other organizations? How does the size of request compare to the expected outcome? Is there 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 will be announced at the annual P2C2 meeting in October.
- Proposals should be submitted to the Program Chair or I&EC Past Chair.
- Proposals will 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 consent.
- There is a funding cap of \$2000 per proposal.
- Funding can be used for activities up to two years away.

**Proposal Deadlines:**

- Fall 2008: July 31, 2008

**Contact:**

Michael Gonzalez, Program Chair  
[gonzalez.michael@epa.gov](mailto:gonzalez.michael@epa.gov)  
 Rick Sachleben  
[rsachleben@momentapharma.com](mailto:rsachleben@momentapharma.com)

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**ATTENTION Industrial & Engineering Chemistry Division Members**

The division is seeking student volunteers to help staff a table with divisional information at the upcoming Fall Meeting of the American Chemical Society on August 17-21, 2008 in Philadelphia. We plan to staff the table throughout the meeting (Sunday thru Thursday) during the morning (8-12) and afternoon (1-5) sessions. In exchange for the help, the division will cover the registration fee for the meeting at the ACS undergraduate (\$85) or graduate student (\$165) member rate. We hope to get enough volunteers so that the time commitment will be no more than 4 hours.

If you know of a student or are a student that

would be interested and available, please respond to me and let me know what days and times that you would be available. I will set up a schedule and let the volunteers know when and where to meet.

Thanks for your assistance. David Hobbs Meetings Publicity Chair, I&EC Division, Savannah River National Laboratory, Aiken, SC 29808, Phone: 803-725-2838, FAX: 803-725-4704, Email: [david.hobbs@srnl.doe.gov](mailto:david.hobbs@srnl.doe.gov)

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I&EC Division and Subdivision Web Sites
<b>I&amp;EC Division</b>
<a href="http://membership.acs.org/I/IEC/">http://membership.acs.org/I/IEC/</a>
<b>IBT Subdivision</b>
<a href="http://membership.acs.org/I/IEC/html/ibt/ibt.html">http://membership.acs.org/I/IEC/html/ibt/ibt.html</a>
<b>SST Subdivision</b>
<a href="http://membership.acs.org/I/IEC/html/sst/default.htm">http://membership.acs.org/I/IEC/html/sst/default.htm</a>
<b>GCE Subdivision</b>
<a href="http://membership.acs.org/I/IEC/html/GCE/gce.html">http://membership.acs.org/I/IEC/html/GCE/gce.html</a>
<b>AMN Subdivision</b>
<a href="http://membership.acs.org/I/IEC/html/amn/amn.html">http://membership.acs.org/I/IEC/html/amn/amn.html</a>
<b>NCIA Subdivision</b>
<a href="http://membership.acs.org/I/IEC/html/ncia/ncia.html">http://membership.acs.org/I/IEC/html/ncia/ncia.html</a>

**Novel Chemistry with Industrial Applications (NCIA) Subdivision**

Chair: Jerry Spivey

Chair: Jerry Spivey, Cain Dept. Chemical Engineering, Louisiana State University (email: [jjspivey@lsu.edu](mailto:jjspivey@lsu.edu))

Upcoming events: "Process Intensification" symposium at the Spring 2009 National meeting.

**News:**

The new NCIA Chair is Jerry Spivey (LSU), and the chair-elect will be Tom Baker (Los Alamos National Labs). Our past-Chair, Joe Zoeller, will be serving as the programming chair, but was also elected as to serve as chair-elect for the I&EC division.

As outlined in our subdivision newsletter, a number of symposia are planned for the next few years. In the near future, we will be soliciting papers for a symposium on "Process Intensification" for the Spring 2009 meeting.

**Invitation to Join the Novel Chemistry with Industrial Applications Subdivision:**

If you feel the Novel Chemistry with Industrial Applications subdivision is a worthy endeavor on the part of the Industrial and Engineering Chemistry Division, we would like to hear from you and have you join the subdivision. There is no additional cost. Simply contact the subdivision chair, James J. (Jerry) Spivey James M. Shivers Professor, Department of Chemical Engineering, Louisiana State University, S. Stadium Drive, Baton Rouge, LA 70803 [jjspivey@lsu.edu](mailto:jjspivey@lsu.edu) [www.che.lsu.edu/faculty/spivey/index.htm](http://www.che.lsu.edu/faculty/spivey/index.htm) Phone: (225)-578-3690 to join the subdivision or to get additional information.

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**ACS Short Courses - Polymer Chemistry**  
**Polymer Chemistry: Principles and Practice (A lecture-laboratory course)**  
**Course Description [Polymer Chemistry: Principles and Practice](#)** August 3, 2008 thru August 8, 2008; December 7, 2008 thru December 12, 2005  
**Introduction to Polymeric Adhesives and Composites (A lecture-laboratory course)**  
**Course Description [Intro to Polymeric Adhesives and Composites](#)** October 12, 2008 thru October 17, 2008  
**Hotel Information for Polymer course at Virginia Tech [Inn at Virginia Tech and Skelton Conference Center](#)** Blacksburg, VA 24061 Phone: (540) 231-8000 NOTE\*\* Room block ends 30 days before course start date

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**I&EC Programming**  
**236th - ACS National Meeting & Exposition**  
**August 17-21, 2008,**  
**Philadelphia, PA**

For an update to the technical program see our web site <http://membership.acs.org/I/IEC/html/programming.html>.

Sunday, August 17, 2008

11:00-1:00 pm I&EC Novel Applications with Industrial Applications Subdivision Meeting-Chancellor Room; Radisson Plaza Warwick

1:00-3:00 pm I&EC Steering Committee Meeting-Cherry Room; Radisson Plaza Warwick

Monday, August 18, 2008

7:00-9:00 am I&EC Programming Meeting - Cherry Room; Radisson Plaza Warwick

Tuesday, August 19, 2008

7:00-8:00 pm I&EC Business Meeting - Juniper Room; Radisson Plaza Warwick, open to all members.

8:00-10:00pm I&EC Poster Session - Hall C Philadelphia Convention Center

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**Ionic Liquids:  
From Knowledge to  
Application**

**236<sup>th</sup> American Chemical Society National Meeting**  
**Philadelphia, PA**  
**August 17-21, 2008**

Sponsored by the  
[ACS Division of Industrial & Engineering Chemistry](#)  
[ACS Division of Inorganic Chemistry](#)  
[I&EC Green Chemistry & Engineering Subdivision](#)  
[I&EC Separation Science & Technology Subdivision](#)  
[I&EC Novel Chemistry with Industrial Applications Subdivision](#)

Join us for "Ionic Liquids: From Knowledge to Application" a five-day

symposium during the 236<sup>th</sup> ACS National Meeting August 17-21, 2008 in Philadelphia, PA.

#### OVERVIEW OF THE SYMPOSIUM

The symposium will provide R&D personnel and students with state-of-the-art information and a working knowledge of the chemistry, properties, and applications of ionic liquids, thus enabling decision making and utilization of these novel materials.

#### SESSIONS AND ORGANIZERS

1. Gas Separations – Margarida Costa Gomes (Blaise Pascal), Mark B. Shiflett (DuPont)
2. Liquid Separations – Jared Anderson (Toledo), Phil Jessop (Queen's Canada)
3. Interfacial Properties - Steve Baldelli (Houston), Alessandro Podesta (Milan)
4. Use in Sensors and Actuators - Gary Baker (Oak Ridge), Xiangqun Zeng (Oakland University)
5. Materials Synthesis in ILs - Jennifer Anthony (Kansas State), Anja Mudring (Bochum)
6. Thermophysical Properties - Joe Magee (NIST), Luis Rebelo (ITQB Lisbon)
7. Molecular Simulations - Pietro Ballone (QUILL Belfast), Ed Maginn (Notre Dame)
8. Pharmaceutical Applications - Doug MacFarlane (Monash), Robin D. Rogers (QUILL Belfast/Alabama)
9. Industrial – Megan B. Turner (BASF), TBA
10. General Session - James H. Davis, Jr. (South Alabama), Peter Wasserscheid (Erlangen)
11. POSTER SESSION - Joan F. Brennecke (Notre Dame)

#### SPONSORS



#### Advancing Scholarship and Innovation

“Fostering Scholarship and Innovation in the Chemical Sciences” will explore the broad scope of activities that are being pursued in the quest to convert information into knowledge in all dimensions of scholarship: discovery, integration, application, and the study of teaching and learning. This symposium celebrating the [ACS Statement on Scholarship](#) will be held on Monday, August 18 at the 236<sup>th</sup> ACS National Meeting in Philadelphia. The symposium is sponsored by the Society Committee on Education and cosponsored by the Committee on Science, the Division on Chemical Education, and the Industrial & Engineering Chemistry Division.

#### International Solvent Extraction Conference: ISEC 2008

“Solvent Extraction – Fundamentals to Industrial Applications”  
**Tucson, Arizona, USA, 15-19 September 2008** North American industry has employed major solvent-extraction processes to support a wide range of operations including but not limited to chemical, metallurgical and nuclear applications. In recognition of these activities, ISEC 1977 and ISEC 1984 were hosted in Toronto, Canada and Denver, Colorado, USA.

#### Technical Sessions

The technical sessions of ISEC 2008 will be organized within eight topical areas. Five plenary sessions will highlight topics of broad interest and current importance. A featured topic of this ISEC will be SX applications in nuclear fuel cycles.

The program will include both oral and poster presentations, with sessions anticipated in the following areas:

- Fundamentals: Chair: **Gérard Cote**.
- Novel Reagents, Chair: **Peter A. Tasker**.
- Nuclear Fuel Reprocessing: Chair: **Terry A. Todd**.

- Hydrometallurgy and Metals Extraction: including Cu, Mn, Co, Ni, Zn, Mo, V, and other metals; Chair: **Kathryn C. Sole**, Co-chair: **Michael J. Virnig**.
- Analytical and Preparative Applications: including, but not limited to, on-line monitoring; environmental monitoring; preconcentration; Chair: **Mark L. Dietz**, Co-chair: **E. Philip Horwitz**.
- Biotechnology, Pharmaceuticals, Life-Science Products, and Organic Products. Chair: **T. Alan Hatton**.
- Process Chemistry and Engineering; Chair: **Gordon M. Ritcey**, Co-chair: **Peter M. Cole**.

CONTACT DETAILS: [www.isec2008.org](http://www.isec2008.org) or contact: Dawn M. Long, Administrative Secretary, Syracuse University at: [isec2008@ecs.syr.edu](mailto:isec2008@ecs.syr.edu)

#### I&EC Subdivision Programming Chairs

##### **Industrial Biobased Technologies**

Ramani Narayan  
 Prof Chem & Biochem Engineering  
 Department of Chemical Engineering  
 2527 Engineering Bldg  
 Michigan State University  
 East Lansing, MI 48824

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##### **Green Chemistry and Engineering**

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 Environmental Technology Laboratory  
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##### **Separation Science and Technology**

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##### **Novel Chemistry with Industrial Applications**

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[www.che.lsu.edu/faculty/spivey/index.htm](http://www.che.lsu.edu/faculty/spivey/index.htm)  
 Phone: (225)-578-3690  
 Fax: (208)-445-5569

### Get Your I&EC Commemorative Lapel Pin!



As part of recognition for the 2008 Centennial of the I&EC Division, the officers have commissioned an attractive lapel pin, to be available to its members at no charge. The pins will be available at the Philadelphia National Meeting. We hope to see you there to present the pin to you in person... just bring your business card and ACS membership number. Alternatively, fill out the coupon below and bring it to Philadelphia. We will also have pins at any regional meetings co-sponsored by the division.

#### **I&EC Member/Membership Application and Centennial Lapel Pin**

Name (print): \_\_\_\_\_  
 ACS Member Number: \_\_\_\_\_  
 Contact Information: \_\_\_\_\_

*Give to any I&EC Division  
 representative at the  
 Philadelphia National Meeting*

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Industrial & Engineering Chemistry Division Officers (Bold) and Executive Committee Members for 2008

Position	Term	Name	E-mail
<b>Chair</b>	<b>2008</b>	<b>Gregg Lumetta</b>	<a href="mailto:gregg.lumetta@pnl.gov">gregg.lumetta@pnl.gov</a>
<b>Chair-elect</b>	<b>2008</b>	<b>Joe Zoeller</b>	<a href="mailto:jozeller@eastman.com">jozeller@eastman.com</a>
<b>Past-Chair</b>	<b>2008</b>	<b>Michael A. Matthews</b>	<a href="mailto:matthews@engr.sc.edu">matthews@engr.sc.edu</a>
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<b>Secretary</b>	<b>2007 - 2008</b>	<b>Bill Crooks</b>	<a href="mailto:crooks@lanl.gov">crooks@lanl.gov</a>
<b>Councilor</b>	<b>2008 - 2010</b>	<b>Spiro Alexandratos</b>	<a href="mailto:alexsd@hunter.cuny.edu">alexsd@hunter.cuny.edu</a>
<b>Councilor</b>	<b>2006 - 2008</b>	<b>Melanie Lesko</b>	<a href="mailto:Leskom@tamug.tamu.edu">Leskom@tamug.tamu.edu</a>
<b>Councilor</b>	<b>2006 - 2008</b>	<b>Ken Nash</b>	<a href="mailto:knash@wsu.edu">knash@wsu.edu</a>
<b>Councilor</b>	<b>2007 - 2009</b>	<b>Martin Abraham</b>	<a href="mailto:martin.abraham@ysu.edu">martin.abraham@ysu.edu</a>
Program Chair	2006 - 2007	Michael Gonzalez	<a href="mailto:gonzalez.michael@epa.gov">gonzalez.michael@epa.gov</a>
Program Secretary	2007 - 2008	Hongmei Wen	<a href="mailto:hongmei.wen@pw.utc.com">hongmei.wen@pw.utc.com</a>
Asst. Program Chair		James Ciszewski	<a href="mailto:Ciszewski.jim@epamail.epa.gov">Ciszewski.jim@epamail.epa.gov</a>
Web/Newsletter	2007 - 2008	Dustin James	<a href="mailto:dustin@rice.edu">dustin@rice.edu</a>
Meeting Publicity Chair	2007 - 2008	David Hobbs	<a href="mailto:david.hobbs@srn1.doe.gov">david.hobbs@srn1.doe.gov</a>
Awards		(open)	
Membership	2007 - 2008	Sam Morton	<a href="mailto:mortons@lafayette.edu">mortons@lafayette.edu</a>
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Industrial Relations	2007 - 2008	Brian Blakey	<a href="mailto:Brian.C.Blakey@ge.com">Brian.C.Blakey@ge.com</a>
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GC&E Chair-elect *	2007	Phillip Savage	<a href="mailto:psavage@umich.edu">psavage@umich.edu</a>
IBT Chair	2007	Graham G Swift	<a href="mailto:GrahamGswift@aol.com">GrahamGswift@aol.com</a>
NCIA	2008	Jerry Spivey	<a href="mailto:jjspivey@lsu.edu">jjspivey@lsu.edu</a>

\* Non-executive committee positions