

## Working Together: AIChE and ACS Partnership

AIChE and the American Chemical Society (ACS) have announced the launch of a strategic partnership. After a year of discussions between working groups from the respective boards, the two societies have agreed to pursue cooperative programs in areas of mutual interest. The boards and councils, however, will remain separate and autonomous.

"We can accomplish more by working together," President Bill Byers told *AIChEExtra*. "By combining our efforts in key programmatic areas

we will provide greater opportunities to our members, and can make a difference to the chemical enterprise and society at large."

AIChE and ACS will pursue collaborative programs in areas like government relations, sustainability, green chemistry, biological engineering, separations, catalysis, chemical safety and health, and meeting programming. Additionally, AIChE and ACS will explore collaboration on career

services, K-12 outreach, and minority and women's issues.

"This new interaction between ACS and AIChE mirrors the reality that chemists and chemical engineers interact closely in their

workplaces, and will do so even more closely in the future," said James Burke, chair of the ACS Board of Directors. "We welcome this close relationship and look forward to further exploring opportunities for our Societies to cooperate."

Partnership in government relations would dramatically increase AIChE's legislative impact. "By joining our government relations efforts, we can use our combined strength for the benefit of our society and our members," said Byers. "We have an opportunity to speak with a block of 200,000 voices—not only 50,000—giving us greater impact for those issues on which we choose to collaborate."

AIChE and ACS are also developing

collaborative programs in fast-growing fields like sustainability and biological engineering, areas of new job growth for chemical engineers and chemists alike. The AIChE Spring Meeting will feature co-sponsored sessions in green chemistry and chemical engineering (see [www.aiche.org/spring](http://www.aiche.org/spring)). In biological engineering, AIChE's Society for Biological Engineering and ACS's Division of Biochemical Technology (BIOT) are exploring partnership opportunities.

Going forward, ACS-AIChE working groups will explore a membership alliance that could include expanded opportunities for members to participate more fully in both organizations. In any new collaborative efforts, the boards of AIChE and ACS will remain autonomous.

"This is just the beginning," added Byers. "We look for bigger and better things as we build the relationship and expand the number of areas where we can work together. We will be working with our members to identify and explore additional areas for cooperation."

To read the AIChE/ACS statement of agreement, visit <http://www.aiche.org/new/>.

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## ASME to Deliver ChemE Education

AIChE and ASME (American Society of Mechanical Engineers) have announced an agreement for ASME to deliver the Institute's continuing education public seminars, on-site courses and distance learning CD-ROMs.

Under this partnership, the ASME Continuing Education Institute (CEI) will present AIChE's professional training in coordination with its own engineering education offerings. AIChE's professional training courses will retain their names, expert curricula and course leaders.

"This partnership will provide AIChE's members with continued access to top-notch professional training to help them grow and develop in the workplace," said AIChE President Bill Byers. "ASME's educational program has long been regarded to be of

the highest quality standard, and we're pleased to unite our courses with this solid program."

AIChE members will continue to receive member discounts for AIChE courses, but will now also receive member discounts for ASME courses. AIChE and ASME courses will be offered at extensive course site locations, on-site, and through distance e-learning. While AIChE will continue to control intellectual content and course instruction for its courses, ASME will assume operating costs for marketing, site management, and administration.

"Our goal is to provide quality continuing education opportunities for engineers at all career levels," said ASME

President Reginald I. Vachon.

"This partnership helps ASME to extend its scope of educational programs while keeping engineers

and other technical professionals in step with the knowledge, issues and strategies critical to their career development."

The AIChE/ASME partnership will open

the door for new courses on topics of shared interest and growth for both chemical and mechanical engineers.

"This partnership strengthens the

natural collaboration between chemical and mechanical engineers in emerging areas like biological engineering, nanotechnology, as well as core areas of interest like heat exchange and project management," said Byers.

The first offerings are planned for August 2004. Please contact 1-800-843-2763 or visit <http://www.asme.org/education/cei.htm> to sign up or request more information on AIChE/ASME education courses. A course schedule will be available mid-April at <http://www.aiche.org/education/>.



**2004 Candidates Announced,  
See page 61.**

## Ensure Your Professional Success in 2004

The AIChE Spring National Meeting, April 25-29, New Orleans is the only conference that focuses on the latest areas of growth and advancement for the professional chemical engineer.

In five content-rich days, conference goers will:

- **Explore** a broad mix of technical programming—including hundreds of sessions, 14 topical conferences, and related short courses.
- **Gain** practical information that can be put to use immediately.
- **Network** with industry colleagues and experts from around the globe.
- **Enjoy** a city rich in culture and entertainment. This year, JazzFest, the world famous celebration of New Orleans' heritage, music and food, is happening at the same time—a great reason to come early or stay after.

Listed here are a few Spring meeting highlights. For more, see [www.aiche.org/spring](http://www.aiche.org/spring).

### I.T. ROUNDTABLE AND WEBCAST SHARES LESSONS LEARNED

Gain practical information on how to deal with IT implementation issues and learn how to review and understand previous implementations at the Computer and Systems Technology (CAST) Division roundtable and Webcast, Wednesday, April 28, 1:30-4:30 CT at the Spring National Meeting. The roundtable is part of the topical conference "Information Technology Applications in the Chemical Process Industries," and will explore:

- Best Practices in Manufacturing
- Solutions for Successful Chemical Inventory Management
- Best Practices in Alarm Management
- Real Life Experiences About Going Wireless
- Organizational Considerations for Implementing IT Applications
- The After Action Review – A Lessons Learned Process

This session is open to all attendees as well as remote viewers via live Webcast (\$199/site). To register for the Webcast, visit: <http://www.castdiv.org/webcast.htm>.

### THIS JUST IN!

### NANOTECH MINI-TOPICAL ADDED TO SPRING MEETING

The buzz about nanotechnology and the changes it will bring grows louder all the time. Attendees at AIChE's Spring Meeting can get up to speed at the Nanotechnology Mini-Topical, a session just added to the conference.

"We think it's important to stay out in front on this subject," said Joe Cramer, director of programming. "The reality is, this is exciting stuff and people are starting to or soon will industrialize it." The mini-topical will cover experimental developments in nanotechnology as well as computational applications.

A special plenary session will examine industrial applications and the prospective market for nanotechnology.

The Nanotechnology Mini-Topical is one of 14 topical conferences focusing on trends and technology in the chemical process industries.



### WIC: Raising the Role of Women in Engineering

Founded in 1999 to raise the status and visibility of women in the profession and in the Institute, the Women's Initiative Committee (WIC) has become a vital and vibrant part of AIChE. Among its programs, WIC sponsors sponsors networking events and technical sessions at AIChE conferences on such topics as work-life balance, mentoring, and retention of women engineers in industry.

Surita Bhatia, chair of WIC, commented on the goals for the committee in 2004.

"We are increasing programming and activities to reach out to a broader audience, increasing the visibility of female members through nominations for AIChE awards and fellows, and celebrating and recognizing WIC's accomplishments."

WIC has partnered with the Management Division to develop innovative programming at the 2004 Spring and Annual meetings for men and women. The committee and division will co-chair the topical conference, **"The Profession in Transition," on Monday, April 26 at the Spring National Meeting.**

The Topical reflects some of our goals for 2004," said Bhatia. "We are interested in reaching out to a broader audience.

Partnering with the Management Division and presenting this topical at the Spring meeting allows us to reach a new audience that includes industrial participants who may not attend the Annual meeting, men and women who are transitioning from technical job roles to leadership roles, and members who are considering alternate career paths. Everyone should attend — we've tried to address issues that are relevant to men and women at all stages of their engineering careers."

The 2004 Annual Meeting in Austin, Texas will mark the five-year anniversary of the committee's charter, and will feature a host of programs, including a topical conference, networking luncheon and student networking event. WIC will again join forces with the Management Division, for the topical conference, "Women in Management."

Members can get involved in WIC in a variety of ways: joining the WIC listserv, volunteering for various subcommittees (programming, fundraising, awards, outreach, event planning), and assisting with chairing sessions. Interested members can contact Surita Bhatia at [sbhatia@ecs.umass.edu](mailto:sbhatia@ecs.umass.edu) or visit the Web site at <http://aichewic.org/>.

For more details and registration: see <http://www.aiche.org/spring> or call 1-800-242-4363

## 2004 Candidates Announced

AIChE's Nominating Committee has announced the officers and directors slate for 2004. Profiles of president-elect candidates will appear in the June *Extra* issue, and candidates for director will be published in July.

The president-elect will be elected to a three-year term, serving one year as

president-elect, president, and past-president, respectively. Treasurer and Directors are elected for a three-year term. Voting by paper ballot and electronic proxy will begin August 20, and end September 24. To keep up to date on this year's election, visit: [www.aiche.org/candidates](http://www.aiche.org/candidates).

### President-Elect

John C. Chen, *Lehigh University, Bethlehem, PA*  
G. V. (Rex) Reklatis, *Purdue University, West Lafayette, IN*

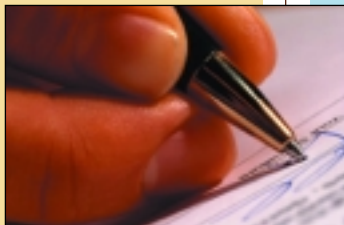
### Treasurer

James C. Hill, *Iowa State University, Ames, IA*  
David Rosenthal, *Rohm & Haas Co., Bristol, PA*

### Director

Andre R. Da Costa, *Membrane Technology and Research, Inc., Menlo Park, CA*  
Emmanuel A. Dada, *FMC Corporation, Princeton, NJ*  
L. S. Fan, *Ohio State University, Columbus, OH*  
Deborah L. Grubbe, *E.I. du Pont de Nemours & Co., Inc., Wilmington, DE*  
Thomas R. Hanley, *Auburn University, Auburn, AL*  
Henry T. (Hank) Kohlbrand, *The Dow Chemical Company, Midland, MI*  
Henry A. McGee, Jr., *Virginia Commonwealth University, Richmond, VA*  
Eric M. Stuve, *University of Washington, Seattle, WA*  
Neil Yeoman,\* *Koch-Glitsch, Merrick, NY*

\*Petition Candidate



### In The Running: Petition Candidates For 2004 Elections

Members interested in running for AIChE Board election or nominating a fellow member can sign up as a petition candidate.

Any Fellow, senior member, or 4-year member who is interested in running for president-elect, treasurer or director can file as petition candidates with the Office of the Secretary by May 14. Nominees for president-elect and treasurer must have previously served as an AIChE officer or director.

Petition candidates must submit the support, in writing, of 100 or more Fellows, senior members, or members. This can be done by signing a petition or by e-mail. For more information on filing as a petition candidate, please contact Fiona Brennan, Assistant Secretary, at (212) 591-7333 or e-mail [fiob@aiche.org](mailto:fiob@aiche.org).

## THE IMPORTANCE OF CHEMICAL ENGINEERING IN THE BIO-INDUSTRIES

AIChE's SBE (Society for Biological Engineering), a technological community launched in 2003 to foster synergies between biology and chemical engineering is holding its first panel discussion, "Reconciling Industrial Needs with Academic Research and Curriculum in Biotechnology," at the World Congress on Industrial Biotechnology and Bioprocessing (WCIBB; April 21–23, 2004; Orlando, FL). This event is hosted by the Biotechnology Industry Organization (BIO), American Chemical Society (ACS) and the National Agriculture Biotechnology Council (NABC).

The panel will examine ways by which the Institute, through SBE, can promote the importance of the chemical engineering paradigm in meeting the needs of bio-industries. Moderated by Gregory Stephanopoulos, Bayer professor of chemical engineering at Massachusetts Institute of Technology, the panel will include speakers from industry and academia, including Kimberly Ogden, chemical engineering professor at the University of

Arizona and Michael Betenbaugh, professor and chair of biomolecular engineering at Johns Hopkins University.

Topics to be discussed include: the disconnect between industrial bioprocessing needs and doctoral research, the decline of MS programs that are highly valued in industry, and academic programs in biomedical engineering where employment prospects are not well established. Panelists will exchange ideas about fostering academic-industrial partnerships in biotechnology; expanding the chemical engineering undergraduate curriculum by incorporating biochemistry and cell biology; and increasing the visibility of the new chemical engineering curriculum among freshmen and high school students.

"These issues highlight the value of chemical engineering education in meeting the needs of the bioprocessing industry — something that perhaps should be emphasized more in the biotechnology and pharmaceutical industries," says Stephanopoulos.

For more information, email [bio@aiche.org](mailto:bio@aiche.org).



Eweek 2004: Mars Middle School won "Best Use of Steel" in the Pittsburgh Regional FutureCities competition. Their engineering mentor was Michael Flaherty, past-chair of the Pittsburgh Section. For more on FutureCities, see [www.futurecity.org](http://www.futurecity.org).

### SPRING CD-ROM — FIRST EVER

The 2004 Spring Meeting CD-ROM contains all submitted papers from the Spring topical conferences plus unaligned/non-topical sessions. Order by calling AIChE Customer Service at 1-800-242-4363 or by checking it off on the Spring Meeting registration form. Order now or on-site for \$65. After April 29, the post-conference price will be \$99.

## National Academy of Engineering Elects AIChE Members

Election to the National Academy of Engineering (NAE) is among the highest professional distinctions accorded to an engineer. Academy membership honors those who have made "important contributions to engineering theory and practice, including significant contributions to the literature of engineering theory and practice," and those who have demonstrated accomplishment in "the pioneering of new fields of engineering, making major advancements in traditional fields of engineering, or developing/implementing innovative approaches to engineering education."

In February, the National Academy of Engineering elected 76 new members and

11 foreign associates, of which four are members of AIChE.

**Arup K. Chakraborty**, Warren and Katherine Schlinger Distinguished Professor and Chair, department of chemical engineering, University of California, Berkeley. Chakraborty was honored for the application of theoretical chemistry to practical problems, including immune system recognition, polymer interfaces, sensor technology, and catalysis.

**Athanassios Z. Panagiotopoulos**, professor, department of chemical engineering, Princeton University, Princeton, N.J. Panagiotopoulos was recognized for the invention of the Gibbs ensemble method of molecular simulation of phase equilibrium

and the development of computational techniques for studying complex fluids.

**Shivaji Sircar**, professor of practice, chemical engineering department, Lehigh University, Bethlehem, Pa. Sircar was honored for contributions to the fundamental science and technology of adsorption separations and their applications in process industries.

**Darsh T. Wasan**, vice president and Motorola Chair, department of international affairs, Illinois Institute of Technology, Chicago. Wasan was recognized for pioneering research, inspirational teaching, and the development of novel technology in colloidal processing and interfacial rheology.

## Chiu Honored for F&P Division Service

The AIChE Fuels and Petrochemicals Division will present Dr. Chen-Hwa Chiu with the Fuels & Petrochemicals Division Service Award at the 2004 Spring National Meeting in New Orleans.

Chiu, a Senior Technology Advisor for LNG & Gas Processing at the Energy Technology Company of ChevronTexaco,

is a world-class expert on LNG technology and is involved in the development and optimization of the entire LNG value chain.

A Fellow of AIChE, Chiu has served as the chair of the Fuels and Petrochemicals Division and its Gas Subcommittee, as well as chair on the International Activities Committee. Chiu presently serves as one

of the chairs of the popular topical conference series on Natural Gas Utilization presented annually at AIChE's Spring National Meeting.

He is a leader in the Chinese American Chemical Society, which meets regularly at the AIChE Spring National Meeting, as well as the Chinese American Petroleum Society.

### NORTHERN CALIFORNIA SECTION RECOGNIZED FOR OUTSTANDING ACCOMPLISHMENT

The Northern California (NorCal) Section will receive the 2004 Gary Leach Award, thanks to their extraordinary service in fundraising and arrangements for the 2003 San Francisco AIChE Annual Meeting Welcome Reception.

The Welcome Reception gives Annual Meeting attendees a time to network and relax with colleagues. But with over 4,500 chemical engineers and 1,000 students in attendance, it also poses a financial challenge to produce.

Thanks to the NorCal Section's tireless fundraising, guests at the Annual Meeting enjoyed an exceptional reception that will set the bar for years to come. NorCal raised \$48,500 by enlisting the

sponsorship of over 20 companies, including Eli Lilly, CH2M Hill, and Genentech, Inc.

"I know they worked hard to raise this money, and didn't take no for an answer," said AIChE President Bill Byers. "The NorCal Section is one of our most active and vital sections. And I am pleased present them with this award in support of their recent accomplishment."

Sponsored by the AIChE Executive Committee, the Gary Leach Award is presented to a group whose performance shows significant accomplishment toward the Institute's mission and objectives. President Byers will present this honor at the NorCal Section Symposium on April 20.

### In the News...

■ Michael P. Ramage, ExxonMobil Research and Engineering (retired), testified before Congress on March 3 on the hydrogen economy.

■ Scott E. Rickert, Nanofilm, was featured in *The New York Times* on March 15 on nanotechnology.

■ Lanny Schmidt, Univ. of Minnesota, was featured on NPR and the *Christian Science Monitor* in February for a new reactor that extracts hydrogen from ethanol.

Are you in the news? Tell us about it at [news@aiche.org](mailto:news@aiche.org).

### OBITUARIES

Michael J. Dutt, 28, *New Haven, CT*  
John T. Shivers Jr., 79, *Leittown, PA*  
George R. Villemez, 83, *Peoria, AZ*