



AICHE 2010 Election: Your Vote, Your Voice

AICHE's Nominating Committee has announced the slate of candidates for the officer and director positions for 2010. In the coming months, *CEP* will publish profiles of all the candidates that describe each person's qualifications and platforms. Profiles of president-elect and secretary candidates will appear in the May issue, and profiles of candidates for director will be published in June.

The president-elect will serve a three-year term, one year each as president-elect, president, and past-president. The secretary and directors are elected for three-year terms. Voting by paper and electronic proxy ballot will begin August 24 and end September 28. To keep up-to-date on this year's election, visit www.aiche.org/election.

For President Elect

Maria K. Burka, National Science Foundation
David Rosenthal, Rohm and Haas Co.

For Secretary

Jim Hill, Iowa State Univ.
Kimberly L. Ogden, Univ. of Arizona

For Director

Monty Alger, Air Products and Chemicals, Inc.
Robert C. Armstrong, Massachusetts Institute of Technology
Matthew P. Atkins, Fluor Corp.
Pablo G. Debenedetti, Princeton Univ.
John G. Ekerdt, Univ. of Texas at Austin
Carol K. Hall, North Carolina State Univ.
Michael R. Poirier, Savannah River National Laboratory
Charlene A. Wall, BASF Corp.

AICHE Board of Directors Election Guidelines

In order to keep campaigning on a high professional level and to maintain fairness to all candidates, the Institute will rely on the integrity of the candidates. The following are the election guidelines:

(1) Campaigns shall be reasonable in manner, inexpensive, personally oriented, and financed by the candidates themselves (that is, not financed by any organization, company, university, or local section of AIChE).

(2) Campaign advertising will be limited to the candidate's personal statement presenting his/her qualifications and views as published in *CEP*, the standard campaign ad in *CEP*, and prescribed content on the AIChE web page. The web page or ad can provide an e-mail address of the candidate for more details on his/her positions, in order to foster a dialog between the candidate and the voting membership.

(3) Campaign committees of friends of the candidates may be formed, but all mailing costs are to be borne by individuals. Only limited paid clerical support is permitted for such contacts. E-mail contacts are permitted, but no address lists are to be provided by AIChE headquarters, local sections, or divisions.

(4) No local section, division, or committee shall be allowed to send out any candidate's campaign material in their official mailing, nor should they be allowed to support or oppose any candidates.

(5) Electioneering at AIChE meetings shall be prohibited. This includes distribution and posting of campaign materials.

The Board recognizes that it is not practical to develop a complete set of electioneering rules to police each candidate's professional vitality and integrity. The Board is convinced, however, that it can depend on the membership to enforce these regulations by voting only for candidates who observe them.

Are You Interested in Running?

Members interested in running for the AIChE Board election, or nominating another member, can do so as a petition candidate.

Any Fellow, senior member, or 4-year member of the Institute who would like to run for president-elect, secretary, or director can file as a petition candidate with the Office of the Secretary by May 18, 2009. Nominees for president-elect 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 written petition or by e-mail. For more information on filing as a petition candidate, contact election@aiiche.org.

AICHE 2009 Election Timeline

May 18, 2009: Petition Candidate Cut-Off Date

August 24, 2009: Election Ballot Mailed

September 28, 2009: Ballot Receipt Deadline

October 5, 2009: Tellers Meeting

November 9, 2009: Election Results Announced at AIChE Annual Business Meeting in Nashville, TN

AICHE Leaders Oppose Change in P.E. License Requirements

A recent revision to the Model Law of the National Council of Examiners for Engineering and Surveying (NCEES; www.ncees.org) would require a master's degree — in excess of the existing requirements — for those who wish to pursue a Professional Engineer (P.E.) license. AIChE's Board of Directors, along with the leaders of several other organizations, say that the proposal puts an unnecessary and onerous burden on candidates for licensure and their employers. AIChE members are being encouraged to educate themselves about the proposal, and to join the debate.

The revision, commonly referred to as the Master's or Equivalent Requirement and formerly known as "BS+30," will require an MS degree or its equivalent, on top of the current requirements that P.E. candidates have graduated from a four-year, ABET-accredited engineering program, have four years of work experience, and pass the Fundamentals of Engineering examination. The NCEES is urging

state legislatures and governing boards to adopt this change by 2012 so that it can be implemented in 2020.

A Position Statement prepared by the American Society of Mechanical Engineers (ASME) and endorsed by AIChE and other organizations, including the Academy of Engineering Companies, discusses reasons why the revision should not be implemented. To read the full statement, go to "Position Statements" at www.asme.org/NewsPublicPolicy/GovRelations/.

Proponents of the change, which include the American Society of Civil Engineers (ASCE), claim that additional credit hours beyond the bachelor's degree are needed to fully prepare tomorrow's engineers for practice. They argue that, as universities have reduced the number of hours required for the BS degree, industry has been forced to provide considerable education to new engineering hires.

While strongly encouraging chemical engineers to become licensed, AIChE leaders believe that the change

is unwarranted, expensive, and will not provide any increased benefit or protection to the public. For chemical engineers, the BS degree, four years of practice, and passage of the P.E. exam are sufficient to assure a reasonable level of competence and protect the public. The change may also reduce interest in becoming licensed.

AIChE members are urged to find out about the position being taken on the proposed model law by their states' licensing boards, and to make their opinions known to the licensing boards and appropriate committees of their state legislatures. AIChE members should also make their management aware of the proposed changes. Members who affiliate with other engineering societies, such as the National Society of Professional Engineers, should discuss the issue at local meetings.

A website has been established to share information and collaborate on the need to maintain the current educational requirements. Visit: www.licensingthatworks.org.

Sirkar Receives Honors From AAAS and AIChE's Separations Division

Kamlesh Sirkar, distinguished professor of chemical engineering at New Jersey Institute of Technology (NJIT), has been named a Fellow by the American Association for the Advancement of Science (AAAS). He also received the Clarence G. Gerhold Award from AIChE's Separations Division at the Institute's November 2008 Annual Meeting in Philadelphia, PA. The Gerhold Award recognized Sirkar's extensive contributions to chemical separations technology. At the Annual Meeting, two special sessions provided opportunities for Sirkar's colleagues to present lectures about their own work, which Sirkar had influenced.

Sirkar, who has led NJIT's membrane separations and biotechnology programs since 1992, is best known as the inventor of commercialized membrane-based solvent extraction technology. Recently, he has turned his attention to developing new and better ways to desalinate water. The membrane distillation process he has been developing

has been especially notable because it works with brines holding salt concentrations above 5.5%. Currently, 5.5% is the highest percentage of salt in brine that is treated commercially using reverse osmosis. The process can be fueled with low-grade, inexpensive waste heat.

Sirkar is the author of more than 150 peer-reviewed journal articles. In 2006, he received the Thomas Alva Edison Patent Award in the Environmental Category from the Research and Development Council of NJ. Other honors include NJIT's Excellence in Research Award for the Newark College of Engineering (2007), and AIChE's Institute Award for Excellence in Industrial Gases Technology (2005). In 2001, he was named an Honorary Fellow of the Indian Institute of Chemical Engineers.



AIChE Foundation Changes Chairs, Reviews Recent Successes

Thomas F. Edgar, the George T. and Gladys H. Abell Chair in Chemical Engineering at the Univ. of Texas at Austin, has completed a six-year term as Chair of the AIChE Foundation's Board of Trustees. Edgar's tenure was marked by the debut of several successful new initiatives, including the rejuvenation of the Foundation itself.

Alfred E. Wechsler, an independent consultant with 40 years of experience at Arthur D. Little, Inc., succeeds Edgar as Chair of the Foundation Board.

The AIChE Foundation (www.aiche.org/foundation) raises funds for projects and activities that further the Institute's mission. Through the generosity of AIChE members and industry partners, the AIChE Foundation supports projects that interest K-12 children in chemical engineering and increase public awareness of the contributions chemical engineers make to our quality of life. Ongoing programs administered by the AIChE Foundation include scholarships and support for students, young professionals, women and minority chemical engineers.

Highlights of AIChE Foundation progress include:

- In 2005, Edgar led AIChE's Web Excellence Campaign, which raised \$270,000 to support AIChE's online initiatives.
- In 2006, the operational structure of the Foundation's Board of Trustees was reorganized to better coordinate AIChE's volunteer-driven fundraising activities.
- Edgar chaired the Large Campaign Committee, and in 2007 helped to create the corporate-sponsored student membership initiative "Scale-Up" — which has since increased student membership from 3,000 to more than 12,000.
- In 2007, the AIChE Foundation launched a planned-giving program and the AIChE Legacy Society — honoring

members who have included the Institute in their long-term plans through bequest provisions, life-income gifts, and other arrangements

• In 2008, the Board of Trustees completed a successful AIChE Centennial Celebration Campaign, raising \$150,000.

Edgar served as AIChE president in 1997, and is the recipient of AIChE's Allan P Colburn Award (1980) and the Warren K. Lewis Award (2005). He is co-author of the textbooks "Coal Processing and Pollution Control Technology" (Gulf Publishing), "Optimization of Chemical Processes" (McGraw-Hill) and "Process Dynamics and Control" (Wiley). He is a Fellow of AIChE, and past president and current officer of the Computer Aids for Chemical Engineering Education (CACHE) Corp.

Wechsler, an AIChE Fellow, retired from Arthur D. Little, Inc., as Senior Vice President, International, in July 2000. He has served on AIChE's Board of Directors and as a leader of many AIChE committees and divisions. Wechsler's first campaign as AIChE Foundation Chair is "Supporting the Transition: Students to Professionals" — which focuses on tailoring services for and increasing retention of recent chemical engineering graduates.

For more information about the AIChE Foundation, contact giving@aiche.org or call 646-495-1340.



Edgar



Wechsler

Auburn AIChE Student Chapter Wins Top Student Organization Award

The AIChE Student Chapter at Auburn Univ.'s Samuel Ginn College of Engineering has been recognized with the school's 2008-2009 Student Organization of the Year Award. The honor was presented by Auburn's Student Government Association at a Feb. 22 banquet.

"It is exciting for our organization to be recognized by our peers on campus," said senior chemical engineering student and chapter president Kevin Cullinan. "We've been working to build the chapter for the future, as well as represent chemical engineering majors to Auburn's

campus and the professional engineering community."

The 2008-2009 Auburn AIChE officers are Kevin Cullinan,

president; Darryl Bowman, external vice president; Amar Tiwari, internal vice president; Jared Woytek, secretary; Nhut Huynh, treasurer; Kyle Taylor, fundraising chair; Davis Bradford, philanthropy chair; David Harris, social chair; Ashley Thompson, e-council representative; and Adam McKinnon, webmaster. The chapter has benefited from the guidance of faculty advisors Steve Duke, Bob Ashurst and Mark Byrne.



▲ From left, AIChE Student Chapter president Kevin Cullinan with Dean of Students Johnny Green and the chapter's external vice president Darryl Bowman.

Awards for Achievements in Industry: Nominations for Sustainable Energy Award Due May 1

A IChE has created several new Institute awards, honoring significant contributions by chemical engineers working in industry. Along with the existing Lawrence B. Evans Award in Chemical Engineering Practice — newly renamed for the recent AIChE president — they will constitute an expanded system of recognition for chemical engineering contributions in the industrial community.

The new **Sustainable Energy Award** recognizes individuals in industry, teams from industry, or entire companies that have made substantial contributions toward the development, generation and use of energy through the application of chemical engineering. Nominations for the inaugural presentation, scheduled for AIChE's Annual Meeting in Nashville, TN, in November, are due by May 1.

Examples of the contributions to be recognized include:

- developing innovative technologies for energy production and delivery
- finding new ways to conserve energy and make processes more efficient
- identifying and developing new energy supply sources
- effecting positive change in behavior of suppliers or consumers of energy
- generating better understanding of complex energy systems
- reducing the environmental footprint of energy technologies
- improving the sustainability of providing and using energy.

Selection of the winners will be based on three key criteria: impact of the contribution on the marketplace and global community; magnitude of the challenges that were overcome; and innovation and technical creativity.

Nomination instructions are available at www.aiche.org/awards. However, AIChE members are also welcome to recommend a potential nominee by preparing a paragraph describing the contribution and the name of the individual, team, or company that should be considered and e-mailing it to president@aiiche.org.

The Lawrence B. Evans Award in Chemical Engineering Practice, for which nominations closed in mid-February, will also be presented in Nashville in November. Recently, the CACHE Corporation presented AIChE with a \$100,000 grant to endow this award in Evans' name.

Additional awards for achievements in industry will be rolled out next year. Read about these honors in future issues of *CEP* and at www.aiche.org/awards.

Upgrade your skills and knowledge in just one hour right from your desk with AIChE Webinars.



Check out these upcoming live webinars:

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| April 15th | Changes in the Energy Market and Their Impact on the Chemical Industry |
| April 22nd | Challenges for Global Energy |
| May 6th | Patent Fundamentals for Engineers |
| May 15th | Properties of Materials |
| May 20th | Beyond the Resume: An Inside look for Students at What Recruiters Really Think |

AIChE Members can also access past webinars in the Webinar Archive.

Register and view both upcoming and archived webinars at
www.aiche.org/webinars.aspx

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Harold S. Kemp, AIChE Past President, Dies at 91

Harold S. Kemp, who served as Institute president in 1986 and played leading roles in many important AIChE initiatives, died on Jan. 17, 2009, at the age of 91. Kemp and his wife Vera resided in Lakewood, CO.

An alumnus of the Univ. of Minnesota, Minneapolis (BS, 1939) and the Univ. of Michigan, Ann Arbor (MS, 1940; PhD, 1944), Kemp spent a significant portion of his chemical engineering career at DuPont, retiring in 1985 as consultant manager in the engineering department.

In the 1970s and 80s, Kemp established his decades of service to the national organization with leadership roles in the Government Programs Steering Committee (now Government Relations) and the Long Range Planning Committee. He was also active in the formation of AIChE's Design Institute for Emergency Relief Systems (DIERS) and the Design Institute for Physical Properties (DIPPR). He became an AIChE Director in 1981, and was elected Institute Vice President in 1984.

After the 1984 chemical accident in Bhopal, India, Kemp chaired a task force of industry executives to establish specific projects and develop guidelines for dealing with process safety issues. These efforts resulted in the creation of AIChE's Center for Chemical Process Safety (CCPS), which opened in 1985, as Kemp began his term as AIChE president.

After his presidency, Kemp became the first chair of the AIChE Foundation Board of Trustees, serving from 1990

to 1996. He remained active in the AIChE Foundation until his death.

AIChE past-president and AIChE Foundation trustee Stanley I. Proctor served as vice president during Kemp's presidency. "Hal exemplified what it means to be a professional," said Proctor. "He was my colleague, my mentor and my friend. He was an outstanding example for me to follow in service to the Institute."

A Fellow of AIChE, Kemp was honored with the Institute's Founders Award for Outstanding Contributions to the Field of Chemical Engineering (1977) and the Van Antwerpen Award for Service to the Institute (1988).



Paul Conrad, A Long-Time Member

Paul Conrad, a member of AIChE for 71 years, died on Jan. 17, 2009, at the age of 97. Born in Buchanan, MI, Conrad earned a bachelor's degree from Florida Univ. in 1933, and a master's and doctorate in chemical engineering from the State Univ. of Iowa in 1938. For the next 33 years, he worked as a research chemist at Columbia Chemical in Barberton, OH. He served as a volunteer at the Columbia Chemical Federal Credit Union from 1949 to 1998. There, he computerized the organization's accounts using an Apple II when it first came out, supervised financial investments for many years, and later served on the company's Board of Directors.

AIChE Conference Calendar

For information and registration details, visit www.aiche.org/conferences or call Customer Service at 1-800-242-4363 or 1-203-702-7660 (outside the U.S.)

2009 Spring National Meeting

April 26–30, 2009 • Tampa Convention Center • Tampa, FL

2009 Offshore Technology Conference

May 4–7, 2009 • Reliant Park • Houston, TX

2009 Leadership Development Conference

June 12–14, 2009 • Marriott Augusta Hotel • Augusta, GA

Eighth World Congress of Chemical Engineering

August 23–27, 2009 • Palais des Congrès • Montréal, QC, Canada

2009 Ammonia Conference

September 13–19, 2009 • Hyatt Regency Calgary • Calgary, AB, Canada

2009 Annual Meeting

November 8–13, 2009 • Gaylord Opryland Hotel • Nashville, TN

OBITUARIES

Arthur I Dodge, 76, Harpswell, ME

Robert R. Goins, 92, Bartlesville, OK

Robert L. Huppe, 74, Shawnee Mission, KS

Edmund Mendell, 84, Raleigh, NC

Michael Platts, 49, Bridgeville, PA

Joseph L. Schweppe, 87, Houston, TX

Vinod A. Shah, 68, Stow, OH

Robert P. Slusser, 84, West Columbia, SC

Miguel R. Ulson, 90, Manila, Philippines

George F. Van Hare, 85, Guelph, Ontario

Henderson C. Ward, 86, Atlanta, GA*

Robert E. Weis, 90, Bartlesville, OK

* Fellow