

Election Results

Bill Byers Elected 2003 Vice President

A fellow of the Institute and member for over 20 years, Bill Byers was elected 2003 vice president in this year's Institute election. As vice president for Energy, Environment, and Systems Group of CH2M HILL and a member of Oregon State University's chemical and bio-engineering department advisory board, Byers' professional experience bridges both industry and academia in the rapidly growing field of sustainability.



Byers started his career in conventional chemical engineering roles, first as a research engineer at Fractionation Research, Inc. doing research on industrial-scale distillation and absorption stripping columns and later as process engineer with Fluor Corporation designing petroleum refineries and chemical plants.

It wasn't until Byers joined CH2M HILL in 1981 that he began to focus on the environmental aspects of process design and begin working in the field of sustainability and development of novel environmental technologies.

With degrees in chemical engineering (Oregon State University, 1973) and business (University of Oregon, 1981), Byers brings a multi-disciplinary approach to his work. "I like to combine my background in chemical engineering and business to help companies to improve their environmental footprint, while improving their business performance," Byers told *AICHE Extra*. "Sometimes that involves looking at business existing operations and strategies, or looking at new technologies that can help companies improve their environmental performance, and help bring those technologies to market as an effective business."

Byers' career in sustainability is an excellent example of the rapid growth and increasing diversity within the chemical engineering profession. According to Byers, this growth poses a challenge and opportunity to engineers and to the Institute.

"This is a dynamic time, which offers both change and challenge. There's a challenge for experienced engineers entering a new field, who are trying to expand their skills. AICHE can

help in this professional transition by providing a technical exchange through meetings and publications relevant to these new fields. AICHE is prepared to meet this challenge."

Byers pointed to AICHE education courses as an excellent tool for chemical engineers who are changing industries. "By continuing to expand education opportunities into the new fields where chemical engineers are working, we will help members and non-members alike make those transitions."

The Internet also connects chemical engineers to the information and networks they need in a rapidly changing profession. "There is also an incredible potential for the Internet to connect members with opportunities for networking and exchange," said Byers. "I'd like to see the Institute provide an environment on the Web for members to exchange information in their specialty and across their profession."

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While Byers recognizes networking and mentoring as valuable to chemical engineers at all stages of their careers, it is especially important for attracting and meeting the needs of young professionals. "One of my sons is a recently graduated chemical engineer--so I can see a bit through his eyes the issues facing new chemical engineers. Early career guidance and opportunities to connect with people in other industries is important. AICHE can help young professionals make contacts with other engineers. The burden for us is making sure we are meeting their needs, and communicate that value in a way that is compelling."

Byers supports the proposed constitutional change to allow associate and affiliate members to join AICHE as full members. "Change in membership status is a great new innovation and change for the Institute," said Byers. "I think it is vital to

the Institute's future. One of the most popular education courses in the history of AICHE is 'Chemical Engineering for Non-Chemical Engineers.' The fact that it is so successful shows that there is a whole community who are not chemical engineers, but are engaged in our profession. They can contribute a wealth of experience and skills to the Institute, which will enrich our current membership."

"It's important that we're expansive in our thinking of the range of professionals who make a contribution to the fields of engineering. This is a challenging yet dynamic time for our profession, and for the Institute."

An active leader, Byers has served AICHE in a host of roles--from serving on AICHE's board of directors, leading committee and divisions, and contributing to AICHE's Critical Issues Team. He was a member of the CWRT Advisory Board (1993-1999), and also director, vice president, and second vice president of the Environmental Division Executive Committee. Byers was chair and member of the Executive Board of the National Program Committee, and Meeting Program Chair for the 1993 Summer National Meeting in Seattle.

Byers lives in Corvallis, Oregon with his family. In his free time, Byers enjoys the outdoors, hiking a couple times a year. Last year, Byers hiked the Grand Canyon with his two sons, Seth and Jesse. Byers also has a daughter, Leah. His wife, Jan, teaches English as a second language at the elementary school level.

2002 Election Results:

Vice President:

Bill Byers

Directors:

Scott Love

Michael Ramage

Gregory Stephanopoulos

Philip Winkler

Successful CCPS Conference Focuses on Plant Security

The 17th Annual CCPS International Conference and Workshop (ICW) convened October 8 in Jacksonville, Florida. The three-day conference drew 200 chemical engineering and plant-safety professionals. Participants addressed the topics of risk, reliability, and security.

While security is a component of traditional risk analysis, events of the past year have greatly heightened concerns for plant professionals and the nation. The 2002 conference featured out-of-the-box security papers and discussions, allowing participants to share best practices for plant safety in this new era.

Charles Jeffress, chief operating officer of the U. S. Chemical Safety and Hazard Investigation Board, was the keynote speaker. Jeffress discussed the role of the board in

helping companies investigate incidents, identify root causes, and develop and communicate best practices within the industry.

Debbie Dietrich, director of the U.S. EPA Chemical Emergency Preparedness and Prevention Office and Christopher Hart, FAA assistant administrator for system safety also spoke at the conference. Carolyn Merritt, the recently confirmed chair of the U. S. Chemical Safety and Hazard Investigation Board, was a distinguished guest.

The 2003 CCPS conference will be held in Scottsdale, Arizona on September 23 - 26.

The topic is "Management of Reactive Chemistry Hazards." The call for papers can be found at <http://www.aiche.org/ccps/icw>.



Above: CCPS leaders from present and past meet at 2003 ICW. From left to right, Scott Berger, senior manager of CCPS, Jack Weaver, past director, Bob Perry, past director, and Tom Carmody, first director of CCPS.

AICHE Journal Introduces New Online Electronic Submission System

AICHE Journal manuscripts can now be submitted electronically on the Web using Rapid Review 2.0, the AICHE Journal's new peer review tracking system. Rapid Review will help expedite the review process and publication of accepted papers of the AICHE Journal. Authors, editors, and reviewers can track a manuscript through the review process 24 hours a day. To submit your manuscript online, please go to the Rapid Review AICHE Journal corresponding author logon screen at <http://www.rapidreview.com/AICHE2/author.html>.



2003

Leadership Development Conference:

"Charting the Future-Creative Leadership Techniques for a Changing World"

Hosted by the North Jersey Section

June 6-8
2003

Save the date and get ready for another great weekend of networking, renewal, and fun.

Bookmark this site

<http://www.aiche.org/mag/leadercon/index.htm> for more information in the coming months.

Questions?

Contact leadershipconf@aiche.org

National Staff Visits

AICHE's Member Services team has been working on a local section visitation calendar for staff members. AICHE is enthusiastic about increasing interaction and information sharing between staff and local sections. The Member Services team encourage section officers to call or email with meeting schedule and suggested speech topic.

Examples of topics include:

- Institute initiatives;
- AICHE resources and departments;
- Services and benefits available to local sections and members; and
- Increasing interaction with student chapters.

Arrangements will be made, based on availability. A "Request for National Visit" PDF form will be available online in the near future. In the meantime, please contact localsections@aiche.org or call 212/591-7329.

AICHE Launches CareerEngineer Online service connects qualified candidates and top employers



AICHE is proud to announce CareerEngineer, a powerful online resume posting and job seeking service for job seekers and employers in the chemical engineering industries.

Free to all engineering job seekers, CareerEngineer is loaded with advanced job search and career management tools to help with every step in the job search. Job Seekers can create and maintain resumes, search and apply for positions, and interact with employers confidentially. Automated "Job Scouts" work for the user, finding and reporting targeted jobs

as soon as they are posted. Additionally, users can add their resumes to CareerEngineer's Premier Resume Database, accessed by the profession's top employers.

CareerEngineer's Resume Builder function helps job seekers draft and maintain up to five custom resumes, each tailored to the job seeker's specifications. The user can prepare cover letters, maintain a roster of references, and forward reference information to potential employers upon request.

When looking for available positions, job seekers can target their search using keywords, industry designation, location, type of employment (part-time, full-time, consultant, etc.), and other criteria. The optional Job Scout function alerts the user via e-mail when a new job listing matches their interests. Users can maintain up to five unique Job Scouts, each searching for a different type of assignment.

CareerEngineer allows job seekers to do all of this while maintaining confidentiality. At the job seeker's request, any identifying information can be suppressed, allowing employers to view resumes and communicate with candidates without knowing the candidate's name, location, or contact information.

Throughout the search, CareerEngineer stores correspondence with employers and tracks job leads, helping the user to manage their job search—and maintain effective contact with potential employers.

For employers searching for qualified candidates, CareerEngineer provides access to the most qualified candidates in chemical engineering. Employers can post positions, as well as search and prioritize potential candidates using CareerEngineer's Premier Resume Database.

To help employers streamline their search, CareerEngineer manages listings and correspondence with candidates. For employers who want hands-on assistance managing their search, AICHE will soon offer VIP Service. Employers will work with a representative, who will design, post, and monitor their recruitment. This function is designed to help simplify screening, and provide the employer with well-matched, qualified candidates.

Free to all engineering job seekers, CareerEngineer offers competitively priced, customized packages for employers, utilizing Web posts, print ads, or both.

Find CareerEngineer online at <http://careerengineer.iche.org>.

Time to Say "Thanks"

Thanks to the generosity of AICHE members and their employers, the AICHE Foundation has enabled the Institute to develop and refine many exciting programs, products, and services this year. All of these are designed to support chemical engineers in traditional and emerging areas as they work to improve the quality of life for people everywhere.

Through gifts to the AICHE Foundation, more students are aware of chemical engineers' contributions to society. They are also better informed to consider chemical engineering as a career. In addition, more people throughout the country have an increased appreciation of chemical engineers and the profession.

But even with the many successes, there remains much to do. AICHE members are urgently encouraged to support the AICHE Foundation as it expands outreach to school-age children, bolsters AICHE's exciting new efforts in sustainability, and supports the evolving needs of chemical engineers and their employers.

According to AICHE Executive Director John Sofranko, gifts to the Foundation are

essential to the expansion of these vital programs. "As fast as the chemical engineering profession is evolving, so are the needs of our members. We are fortunate to have so many members who are interested in giving back to the profession. With their continued support we can realize some of our major initiatives."

Sofranko pointed to AICHE's Institute for Sustainability as an area in need of urgent funding.

"We are poised to take a major leadership position in sustainability. People are turning to us for guidance and assistance in making their facilities, processes, and products more sustainable. We must have the resources in place to assume this position of leadership," he said. "I hope we can count on AICHE members to remember the Foundation in their year-end giving," he continued.

Contributions to the AICHE Foundation are tax-deductible. Gifts may be sent to: AICHE Foundation, 3 Park Avenue, NY, NY 10016-5991. Individuals making contributions to the Foundation will receive a written acknowledgement of their gifts.



NAE Presents Founders Award to AIChE Past President Churchill



The National Academies' National Academy of Engineering (NAE) presented the 2002 NAE Founders Award to Stuart Churchill, AIChE Past President and Carl V.S. Patterson Professor Emeritus of chemical and biomolecular engineering, University of Pennsylvania. The award, which recognizes an NAE member who has made lifelong contributions to engineering and whose accomplishments have benefited the people of the United States, was presented to Churchill at the Academy's annual meeting on Sunday, October 6, in Washington, D.C.

Churchill was recognized "for outstanding leadership in research, education, and professional service, and for continuing contributions in combustion, heat transfer, and fluid dynamics for over half a century."

Churchill earned bachelor's degrees in chemical engineering and engineering mathematics at the University of Michigan in 1942 and went on to work at Shell Oil Co. At Shell, he worked to design, operate, and analyze new processes for the production of aviation gasoline during World War II. At the end of the war, he joined what was a small startup company, Frontier Chemical.

Churchill returned to the University of Michigan in 1947, obtaining his Ph.D. and becoming a faculty member. In 1967, he accepted the Carl V.S. Patterson Chair at the University of Pennsylvania. Churchill has served as a Visiting Professor at Iowa State University, the University of Utah, Pennsylvania State University, and Okayama University, and on the advisory committees of many others. Churchill has produced over 280 journal publications and six books, including the influential book, *The Interpretation and Use of Rate Data -- The Rate Process Concept*.

AIChE Secretary John Chen Receives Top Award for Heat Transfer Research

John Chen, AIChE Secretary and the Carl R. Anderson Professor of chemical engineering at Lehigh University received the 2001 Max Jakob Memorial Award, the prestigious international prize for achievements in heat transfer.

The award was presented at the 12th International Heat Transfer Conference in Grenoble, France. At the conference, Chen gave an address titled "Surface Contacts - Significance for Multi-Phase Heat Transfer" and earned a standing ovation from 800 international delegates representing 43 countries.

Chen, a former dean of Lehigh's P.C. Rossin College of Engineering and Applied Science, gained renown in 1966 when he developed the "Chen Method" of predicting the rate at which heat must be transferred to liquid to make it boil. The method has become the standard for designing vapor-liquid boiling systems used in the chemical, power, refrigeration, petroleum, nuclear and gas industries.

Chen has continued to make seminal contributions to various aspects of heat transfer science and technology. In a study done in the mid-1990s for the Electric Power Research Institute, Chen concluded that new refrigerants with little or no ozone-depleting chlorine could perform as well in some heat-transfer tests as the chlorine-based refrigerants whose production has been banned.

Chen's other awards include two top honors from Germany—the Alexander von Humboldt Senior Research Award and the Max Planck Research Prize. He has received AIChE's D.Q. Kern Award for research with practical impact, the Heat Transfer and Energy Conversion Division Award, and the Particle Technology Forum's Thomas Baron Award. He has also received ASME's Melville Medal for archival literature.

Upcoming AIChE Meetings

Contact AIChExpress Customer Service at 1-800-AIChemE (1-800-242-4363) or email xpress@aiche.org for more information.

The latest news on upcoming meetings can be found at

<http://www.aiche.org/conferences>.

2003

2003 Spring Meeting & Process Industries Exposition (PIE)

March 30-April 3
New Orleans, Louisiana

Management Conference

May 4-7
Amelia Island, Florida

Engineering & Construction Contracting Conference

September 4-5
Scottsdale, Arizona

Safety in Ammonia Plants & Related Facilities Symposium

September 15-18
Orlando, Florida

Center for Chemical Process Safety (CCPS) International Conference & Workshop

September 23-26
Scottsdale, Arizona

2003 Annual Meeting

November 16-21
San Francisco, California

Obituaries

Neil Ashton, 50
Sabattus, ME

Shivashanker Bagavandoss, 30
Stroudsburg, PA

Joseph G. Brown, 88
Gainesville, GA

Walter J. Dempsey, 77
Beckley, VA

Robert B. Dunbar, 80
Lansdale, PA

Richard M. Green, 88
Las Cruces, NM

Wiston Lamshing, 47
Katy, TX

James R. Lientz, 89
Savannah, GA

Marvin D. Livingood*, 84
Louisville, KY

Seymour Mann, 82
Sebastopol, CA

John A. Morrish, 79
Los Angeles, CA

Earl Parizek, 91
N. Berwick, ME

Francis B. Richerson, 85
Richmond, VA

Clark B. Rose*, 91
La Grange, IL

Ward H. Sachs, 79
Marietta, GA

John L. Sparks, 76
Clinton, IA

George R. Strucker, 73
Baton Rouge, LA

Carl Loman Wheeler, 73
Austin, TX

* Fellow grade