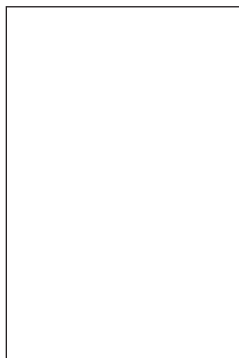


## AIChE 2007 Spring National Meeting Keynote Address Developing a Sustainable Energy Economy



### Kurt Swogger Receives Management Division Award

Kurt W. Swogger, vice president of business development for the Performance Plastics and Chemicals business group of The Dow Chemical Co., was the recipient of the 2007 AIChE Management Division Award, which is sponsored by E.I. duPont de Nemours and Co. The award recognizes an outstanding individual whose management skills and practices have improved operations and delivered superior results within the chemical process industry.

“Throughout his career at Dow, Swogger has made substantial contributions to the company’s commercial suc-

cessfully accelerated product development and commercialization. “Kurt’s leadership of Performance Plastics and Chemicals R&D at Dow has been a driving force behind the market success of many [products]” (23–27), Dan Arvizu, director of Energy’s National Renewable Energy Laboratory

such as price volatility and environmental impact ( e.g., carbon emissions), must be accounted for. Furthermore, “there has been a decline in energy research-and-development investments over the past two decades, which mirrors the movement of global oil prices,” said Arvizu.

The U.S. is taking action in addressing this critical

ing solar power (CSP) plants may not be enough. What the U.S. needs to reach its challenge goal of 20% renewable energy supply to come from solar by 2025. This goal appears ambitious as markets are growing rapidly, but have been slow to add renewable capacity. In addition, other countries, such as Japan and Germany, have been strongly promoting their use. For instance, in Japan, the cost of solar PV cells has dramatically decreased due to the high volume of installations.

Success starts from the ground up. “There needs to be local support from the states,” said Arvizu. Currently, there are 23 states, plus the District of Columbia, that have set renewable electricity standards. For example: in California, the goal is 20% by 2010; in New York, the goal is 24% by 2013; and in Colorado, the goal is 20% by 2020.

While technological challenges lay ahead, Arvizu predicts that they won’t be the final obstacles in developing a new energy economy. “It’s not a matter of supply or technology. It’s a matter of how much Congress wants it. It’s a matter of national will,” he said. “The promise of renew-



Developing safe industrial processes is as important in Europe, Asia, and the rest of the world, as it is in the U.S.

The Center for Chemical Process Safety (CCPS; [www.aiche.org/ccps](http://www.aiche.org/ccps)), founded by AIChE in the aftermath of the tragic events in Bhopal, India, nearly 23 years ago, has the ultimate goal of eliminating catastrophic process safety incidents around the world by:

- advancing state-of-the-art of process safety technology and management practices
- serving as a premier resource for process safety information
- fostering process safety learning in undergraduate engineering education
- promoting process safety as a key industry value.

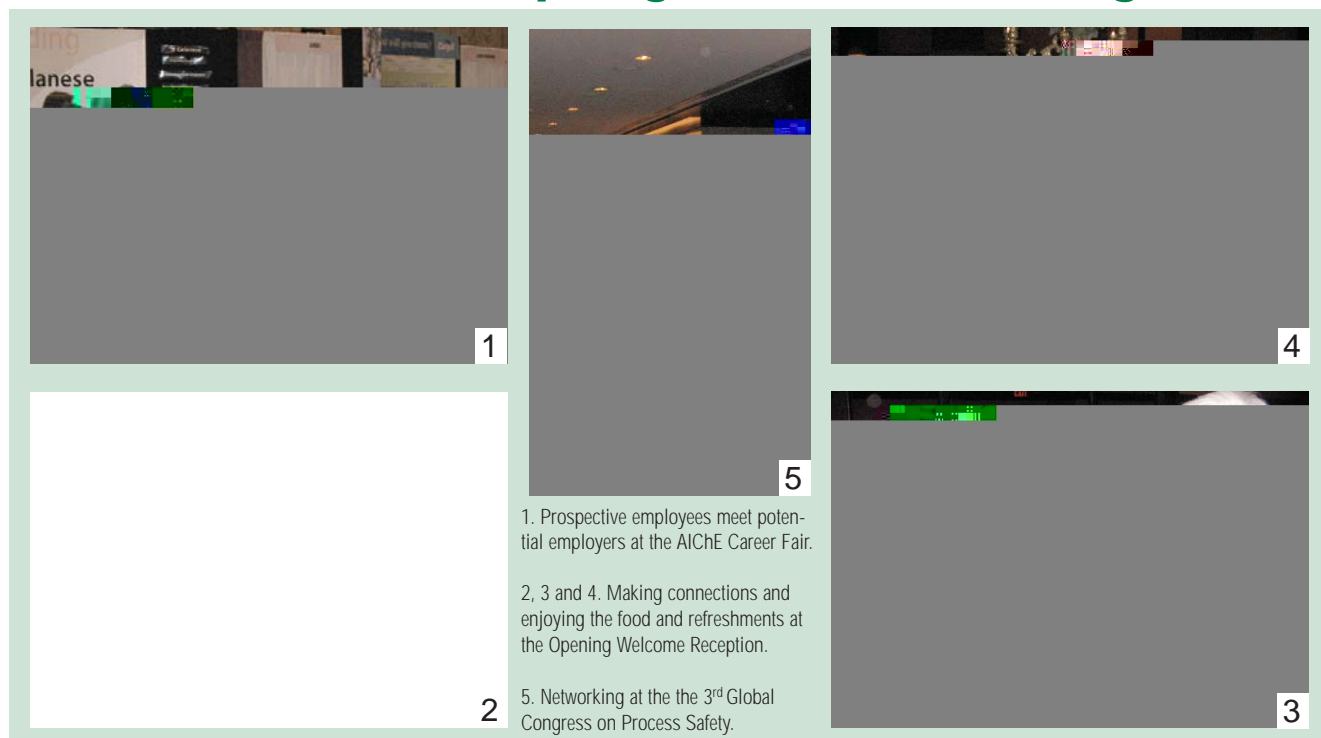
Today, nearly 100 corporate members participate in the organization, including many of the world's leading chemical, petroleum, pharmaceutical and related manufacturing companies.

With China's burgeoning process industry, CCPS has explored options on how to fulfill its mission to be an organization with international influence. Recently, AIChE (in particular, CCPS) signed an agreement with the China University of Petroleum (Huadong; in particular its Environment and Safety Technology Center [ESTC]) to establish the CCPS China Section (CCPS-CS). Companies that are members of CCPS-CS will also be full members of the CCPS global organization, but will benefit by having a local operation to serve their needs.

CCPS-CS activities will include:

- maintaining a significant training program, to provide chemical and petroleum engineers in China with the skills they need to operate a successful process safety program

## Snapshots from the 2007 AIChE Spring National Meeting



### AIChE Goes Global — New Local Section Starts Up in India

On April 24, an inaugural ceremony was held at Pravara Engineering College in India, to launch the first Local India Section of the American Institute of Chemical Engineers (AIChE). Delegates from many colleges, as well as industries, came to learn more about the new local section. Altogether, about 120 delegates attended the meeting.

Prof. R. W. Gaikwad, head of the chemical engineering department, started off the meeting with a welcome speech. He was followed by Prof. Dharendra, professor of chemical engineering and principal of the Engineering College. The standing-room only audience was then addressed by Dr. D. V. Gupta, Country Director, AIChE India Local Section, who elaborated on the goals and objectives of AIChE, its technical alliances, divisions and forums, as well as the numerous advantages of joining the Institute.

The presentation was met with a lot of enthusiasm from the delegates, and a lively discussion followed. A great deal of interest was shown by the student delegates about forming AIChE student chapters in various colleges. This will be followed up when the universities reopen for the fall semester.



Dr. D. V. Gupta delivers the AIChE address. Seated on the dais are Prof. Gaikwad, Dr. Dharendra and Dr. Devre.



Approximately 120 delegates from near and far attend the inaugural AIChE Local India Section Meeting.

Joseph Reynolds received a BA degree in chemistry from Catholic University in 1957 and a PhD degree in chemical engineering from Rensselaer Polytechnic Institute in 1964. Since that time, he was a member of the chemical engineering faculty at Manhattan College, where held the rank of professor. He was chairman of the Chemical Engineering Dept. from 1976 to 1983.

Dr. Reynolds' research interests were in air pollution control and hazardous waste incineration. He co-authored several textbooks, including "Introduction To Hazardous Waste Incineration" 2<sup>nd</sup> edition (Wiley, 2000) and "Accident and Emergency Management" (Wiley, 1989), and developed computer software (which is available commercially and currently used in EPA's training program) to simulate hazardous waste incinerator performance. He served as a consultant for several private companies and as a consultant/expert witness for the U.S. Dept. of Justice and the U.S. Environmental Protection Agency. He was listed in "American Men and Women in Science," "Who's Who in Technology Today," "Who's Who Among America's Teachers," International "Who's Who in Engineering," "Who's Who in the East," and "Who's Who in Engineering."

He is survived by his wife, two daughters and grandson. His wife, Barbara,

# Election News

Scott Fogler is the Ame and Catherine Vennema distinguished Professor of Chemical Engineering at the University of Michigan. He has served AIChE as Meeting Program Chair, Division 4 Chair, member of the Board of Directors and liaison to CAST, member of the Society for Biological Engineering (SBE), and a member of AIChE's CTOC. He is the recipient of the AIChE's Warren K. Lewis Award and

is the author of the widely used textbook, "The Elements of Chemical Reaction Engineering."

Fogler's leadership positions include Department Chair and Associate Dean at the University of Michigan, ASEE Chemical Engineering Division Chair, and President of the CACHE Corp. He has been a consultant to many companies including DuPont, Schlumberger and a 26-year association with Chevron.

## Proven track record

Fogler will bring the same proactive energy to the Presidency of AIChE that he displayed as a member of the AIChE's Board of Directors. During his tenure on the Board he:

- Recognized that the future of AIChE is dependent on the interest of the future generations. Towards this end, he initiated the student chapter competition. This competition (now the ChemE Car Competition) has the highest attendance of any event at AIChE annual meetings.

- Initiated the effort to publish the AIChE Journal on line in an electronic format.

## Current strengths of AIChE

- AIChE's finances are in reasonable shape and are improving.
- SBE is a hit and has 2,000 members.
- The Institute for Sustainability (IFS) is in good health.

## Moving forward

Fogler interacted with local section chairs, division chairs and AIChE staff to discuss the challenges that AIChE will be called upon to address in the coming years, including:

- Reversing the decline in membership by developing and implementing a program between local sections and student chapters to bring graduating seniors into the organization.

- Revitalizing the lost-member program initiative that began last year.

- Assessing and ensuring the dollar value of a membership in AIChE by actively maintaining member services such as insurance of

Developing and deploying strategies that will lead to the fulfillment of our vision of providing value as the Global Leader, the Lifetime Center for professional growth and the Foremost Catalyst in the application of chemical engineering expertise to serve society remain the primary focus as AIChE approaches its centennial in an era of globalization and increasing diversity. AIChE continues to turn

challenges into opportunities — the 2002/2003 risk of insolvency-led to greater involvement of members in its management, the restructured AIChE stabilized finances and membership. To fulfill this vision, AIChE needs to achieve sustainable growth and maintain financial health by doubling its net assets and improving on the current value proposition.

If elected Treasurer, I will continue working with other volunteers to:

- Enhance services to revitalize local sections and divisions.
- Develop programs to attract and retain graduates, engineers and international members in traditional and emerging areas.
- Engage industry and government executives to support AIChE programs and foster employee participation.
- Promote AIChE visibility globally through strategic collaboration and representation on current issues impacting society.
- Further identify lower cost options for headquarters.
- Maintain fiscal stewardship of AIChE and implement financial strategies that will shape AIChE into its second centennial.

Along with my sound understanding of the AIChE financial system through my membership on the BOD Finance Committee for the second year, I have the leadership skills, energy, and experience to help AIChE achieve these vital goals.

### **AIChE involvement**

- National Director, 2004–2007
- Meeting Program Co-Chair, 2006 Annual Meeting — largest meeting in AIChE history
- Director/Vice-Chair/Chair, Separations Division, 2002–2007
- Member, Career and Education Operating Council, 2004–2006
- Vice-Chair, General Arrangements, 2003 Annual Meeting
- Chair, Key Industry and Government Leaders BOD Task Force, 2004–2005
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