
# Institute News

## Candidates Announced for 2014 AIChE Election
### Petition Candidate Filings Due May 27

AIChE's Nominating Committee has announced the slate of candidates for the positions of president-elect and director for 2015. In the July issue, *CEP* will publish profiles of the candidates that describe each person's qualifications and platform.

The president-elect will be elected to a three-year term, serving one year each as president-elect, president, and past-president. The directors are elected for three-year terms. Voting by paper and electronic proxy ballot will begin on September 16 and end on October 21. To keep up to date on this year's election, visit www.aiche.org/election.

### For President-Elect

**Thomas R. Hanley,** *Auburn Univ. (Auburn, AL)*

**Gregory N. Stephanopoulos,** *Massachusetts Institute of Technology (Cambridge, MA)*

### For Director (four to be elected)

**Abdulmohsen D. Almajnouni,** *GE Oil & Gas (Jubail, Saudi Arabia)*

**Richard Calabrese,** *Univ. of Maryland (College Park, MD)*

**Alan E. Nelson,** *Dow Chemical Co. (Midland, MI)*

**John O'Connell,** *Univ. of Virginia (Charlottesville, VA) (retired)*

**Timothy O. Odi,** *Chevron Phillips Chemical Co. (Kingswood, TX)*

**Anne Skaja Robinson,** *Tulane Univ. (New Orleans, LA)*

**Sharon M. Robinson,** *Oak Ridge National Laboratory (Oak Ridge, TN)*

**S. Shariq Yosufzai,** *Chevron Corp. (San Francisco, CA)*

### 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 or director can file as a petition candidate with the Office of the Secretary by May 27, 2014. 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 signing a petition or by email. For more information on filing as a petition candidate, please contact election@aiche.org.

### 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* and prescribed content on the AIChE web page. The web page can provide an email 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. Email contacts are permitted, but no address lists are to be provided by AIChE staff, 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 support or oppose any candidates.

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

(6) Sitting Board members should not endorse candidates running for election.

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.

### AIChE 2014 Election Timeline

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| **May 27:** | Petition Candidate Cut-Off Date |
| **September 2:** | Election Ballot Mail Date |
| **September 16:** | Election Commences |
| **October 21:** | Election Ballot Receipt Deadline |
| **October 24:** | Tellers Committee Meeting |
| **November 17:** | Election Results Announced at the AIChE Annual Business Meeting in Atlanta, GA |

# Meet Some of AIChE's New Fellows

At the 2014 Spring Meeting and Global Congress on Process Safety, AIChE leaders and Fellows gathered to recognize some of the recently elected AIChE Fellows at a special breakfast on Apr. 1. Fellow candidates are nominated by their peers, and must have significant chemical engineering practice (generally 25 years) and have been a member of AIChE for at least 10 years, with at least three years as a senior member. Here are some of the recently elected Fellows. More will be announced in future issues of *CEP*.

**Pablo G. Debenedetti** is the Class of 1950 Professor in Engineering and Applied Science, Professor of Chemical and Biological Engineering, and Vice Dean of the School of Engineering and Applied Science at Princeton Univ. His work has advanced the understanding of the relationship between the molecular structure and the physical properties of fluids and amorphous solids. His research into the properties of proteins in low-water environments has led to advances in the use of proteins in pharmaceutical applications. He is a member of the National Academy of Sciences, the National Academy of Engineering, and the American Academy of Arts and Sciences.

**Anthony F. Fregosi** is a manufacturing systems engineer at Cornerstone Chemical Co. (Westwego, LA), where he maintains the data historian system and supports the software packages for training, incident investigation, and action-item tracking. He gained process engineering experience at Occidental Chemical's sulfuric acid plants before joining American Cyanamid in New Orleans, where he was process safety coordinator for the methanol and acrylonitrile plants. He later led process safety and environmental compliance activities at Cytec Industries' melamine and urea plants. He is Vice Chair of AIChE's Career and Education Operating Council (CEOC) and a director of the Virtual Local Section.

**Christine Grant** is a professor of chemical and biomolecular engineering at North Carolina State Univ. (Raleigh, NC), where her research focuses on surface and interfacial phenomena in the areas of electronic materials, polymers, and biomedical systems. She has served as a director of AIChE, and as a member of AIChE's Chemical Engineering Technology Operating Council (CTOC). She is also working to change the underrepresentation of minorities on engineering and science faculties. Her company, CoolSci Productions, empowers science, technology, engineering, and math (STEM) students, faculty, and professionals toward excellence in career and personal development. She earned her PhD in chemical engineering at Georgia Tech.

**James W. Harris** is a process control specialist and technical leader of safety instrumented systems at UOP (Des Plaines, IL). He joined UOP in 1990, and has extensive experience as an instrument field coordinator at domestic and international sites. He holds three U.S. patents and has an additional nine patents pending for applications in refining and petrochemical process technologies. He is a Fellow of the International Society of Automation (ISA) and active in the American Petroleum Institute (API). He has also been active in AIChE's Fuels and Petrochemicals Div. He earned his BS in chemical engineering at the Univ. at Buffalo.

**Edward M. Trujillo** is an associate professor of chemical engineering and an adjunct professor of civil and environmental engineering at the Univ. of Utah (Salt Lake City). His research interests are in the areas of environmental and biochemical engineering, and include the study of acid mine drainage, biosorption of heavy metals, removal of selenium from wastewater, multilayered growth of mammalian cells, and tissue engineering. He previously conducted research in enhanced oil recovery for Marathon Oil. He is active in AIChE student programming and is the longtime student chapter advisor at the Univ. of Utah, where he earned his PhD in chemical engineering.

## CCPS's Berger Addresses Congress on Inherently Safer Technology

Representatives from U.S. federal agencies and industry gathered in Washington, DC, on March 6 for a hearing conducted by the U.S. Senate Committee on Environment and Public Works (EPW). The session, "Preventing Potential Chemical Threats and Improving Safety: Oversight of the President's Executive Order on Improving Chemical Facility Safety and Security," addressed recent process safety incidents in the U.S. and the measures that are being taken to eliminate such incidents. Representing AIChE and its Center for Chemical Process Safety (CCPS) at the hearing was Scott Berger, Executive Director of CCPS and Director of AIChE's Industry Technology Alliances, who discussed CCPS's work in process safety, as well as the concepts of inherently safer design.

Senator Barbara Boxer (D-CA), who chairs the Senate EPW Committee, opened the hearing by citing recent incidents such as the August 2012 pipe failure at a refinery in Richmond, CA, the April 2013 fertilizer plant explosion in West, TX, and the January 2014 chemical storage facility spill in West Virginia's Elk River. "Federal safety and health officials must use all available tools to protect the health and safety of people working in and living near chemical facilities," said Boxer.

The hearing was prompted by an August 2013 Executive Order by President Obama that called for the establishment of a working group to undertake a comprehensive review of federal chemical safety and security programs. At the hearing, members of the working group and other experts delivered status reports and recommendations for improving these programs.

In his testimony, Berger discussed inherently safer technology (IST), also known as inherently safer design (ISD), as an approach to permanently eliminating hazards or reducing the consequences of incidents.

Berger explained that IST is not a specific technology but rather a philosophy applied to all aspects of the design and operation of plants. "Elements of IST can be applied at the process control level, the procedural level, and even the emergency response level," said Berger. "The bottom line is that IST is an integral part of developing a safe design, and not separate from the desired goal of safe design."

ISTs are relative, Berger noted. "Because one option may be inherently safer with regard to some hazards and inherently less safe with regard to others, [engineers] must make decisions — both technical and economic — about the optimum strategy for managing risks from all hazards" in a given situation, he explained.

Berger enumerated several existing regulatory policies that incorporate concepts related to inherently safer design, including hazardous inventory thresholds, the use of process hazard analysis, and the requirement that companies identify the causes of incidents that occur and implement safeguards and process modifications, which may include IST, to eliminate the causes.

Other experts testifying at the hearing included Rafael Moure-Eraso, a chemical engineer and Chair of the U.S. Chemical Safety Board (CSB), who delivered an update on the CSB's investigations into recent chemical accidents and how the working group is incorporating the CSB's recommendations.

Since its founding in 1985, CCPS has published more than 100 books and other reference documents that guide the implementation of process safety technology and management systems. For more information about the Center for Chemical Process Safety, visit www.aiche.org/ccps.

## Stanley Grossel, AIChE Fellow

Stanley S. Grossel, an AIChE Fellow and an important contributor to the process safety community, died on March 16, 2014, in Clifton, NJ, at the age of 85.

After a long career at Hoffmann-La Roche, Grossel started a chemical safety consulting practice in 1993. He wrote several books and more than 30 articles on chemical process safety topics, many of which were published in AIChE's *Process Safety Progress* journal, as well as in *CEP*. An expert in deflagration and detonation flame arresters, he collaborated on a variety of projects with AIChE's Design Institute for Emergency Relief Systems (DIERS) and the Center for Chemical Process Safety (CCPS). He was also active in AIChE's Safety and Health Div., and received the Division's Walton/Miller Award.

He is survived by his wife, Pauline, two children, and four grandchildren.

## In Memoriam

**Robert W. Bucklin, 88,** Dana Point, CA

**Myron Dmytryszyn*, 88,** Chesterfield, MO

**William R. Nisbet, 88,** Cherokee Village, AR

**David S. Rosenberg*, 97,** Niagara Falls, NY

**George J. Schaaf, 96,** Grand Rapids, MI

**John M. Sharf, 99,** Lancaster, PA

**Charles H. Waide, 86,** Eastport, NY

*AIChE Fellow