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Election News

2011 Election: President-Elect

Thomas R. Hanley

Tom Hanley is a professor of chemical engineering at Auburn Univ. After earning three degrees at Virginia Tech and a tour at the Air Force Materials Laboratory, he moved to Tulane Univ., where he chaired AIChE's New Orleans Section and served as student chapter advisor. At Rose-Hulman Institute of Technology, he chaired the Terre Haute Section. While department chair at Louisiana Tech and FAMU/FSU, he was General Arrangements Chair (1986 Annual Meeting), Meeting Program Chair (1988 Annual Meeting) and chaired the Tallahassee Section. While dean of engineering at Louisville, he chaired AIChE's Student Chapters Committee, the Management Div., and the AIChE Foundation, and served on the Career and Education Operating Council (CEOC). Initially as provost and now as professor at Auburn, he was elected to AIChE's Board of Directors and currently chairs the Audit and Webinar Committees and serves on the AIChE Foundation, the International Committee, the Blue Ribbon Committee on Certification and the North American Mixing Forum. He was named Fellow in 1995. He serves on the Board of Directors of Plasticolors, Inc. and the college advisory boards at Michigan Tech and Virginia Tech.

Statement: AIChE and the chemical engineering profession are facing an operating environment different from that of the past fifty years. The Institute must continue to investigate methods for revenue generation and cost reduction while adjusting programs to meet the established and emerging membership. I am encouraged by the Institute's recent accomplishments, and, as president-elect, I will focus on maintaining/expanding these gains and investigating new opportunities, including:

- enhanced interaction with student chapters at national meetings and at regional conferences to promote continuing membership in the Institute
- continuing review of the changing needs of established members to match member support with member needs
- generation of revenue-producing activities similar to those in other professional societies
- expansion of the AIChE Foundation to the individual, offering members the opportunity to support programs of interest
- expansion of AIChE into global opportunities that increase membership and provide additional income

The balance between service to members and cost should be reviewed regularly to provide maximum member support. Recent collaborations with other technical societies have successfully reduced costs with minimal loss in service.

I have great confidence in AIChE and am indebted for the opportunities the Institute has given me. Working together, I'm certain that we can continue to improve and strengthen AIChE and ensure its continuing support to our profession. Please contact me at hanley@auburn.edu to provide your thoughts or to discuss any issue facing AIChE.

David A. Rosenthal *(by petition)*

David Rosenthal is a recognized leader improving manufacturing competitiveness through asset reliability across refining, electronics, food, rubber, and chemicals. Dave currently is the Reliability Manager for Marsulex Refinery Services responsible for the mechanical performance of coke cutting and transport assets. Dave's career included consulting and 28 years with Rohm and Haas, with assignments as a Maintenance and Reliability leader, Global Manufacturing Excellence manager, Technical Manager, and Project and Process engineer.

An AIChE Fellow, Rosenthal's service spans 30 years to his current South Texas Local Section membership. Rosenthal served as National Treasurer (2001–2007), guiding AIChE through tough financial times, and as a Board Director (1994–1997). He advanced topical meeting practices as member and chair of the Executive Board of the National Program Committee (2002) and was a Meeting Program Chair (Spring 1996). He chaired the Management Div. and joined the Chemical Technology Operating Council (CTOC). He also chaired the Delaware Valley Local Section (1989–1990). He received a BS from Drexel Univ. and an MS from the Univ. of Texas.

Statement: An opportunity exists for AIChE to serve its members at this time of economic recovery. Our industries and institutions are exiting this troubling time with optimism and restructured needs. I believe AIChE can provide to its academic and industrial members essential services needed to embrace technological innovation and industry reinvention. If elected President, I will work to achieve these objectives, guided by our strategic plan, through:

- Expanding connections to job opportunities — Growing the value of career services using diverse networks, virtual job marketplaces, and on-line counseling resources.
- Retaining local section leaders and members — Supporting local sections in their retention goals with monetary rewards and encouraging aggressive marketing while aiding them with pre-designed web sites and transaction systems.
- Developing services from member career drivers — Restructuring industrial meetings to align members' and employers' needs with how they participate. Reducing future budgets through deciding a "new home" and pursuing compatible merger opportunities.
- Pursuing the "virtual" Institute — Increasing the amount of information and services available through webinars and content-on-demand to our global membership and providing tools and processes to form ad-hoc technical communities with similar interests.

As Treasurer, I helped steer AIChE through financial crisis and out of mergers lessening our identity. My experience will guide our Institute to serve members' needs to support the recovery. My commitment has always been to build for all members their profession's "lifetime home."

I welcome your suggestions at Davida.Rosenthal@prodigy.net.

To enable members to make informed selections, the candidates have provided overviews of their experience, as well as their plans for future programs and directions for the Institute. These messages are in each candidate's own words. Director candidate statements will appear in the July issue of *CEP*. Statements will also be posted at www.aiche.org/election.

Voting dates and deadlines: Ballots will be mailed on Aug. 9. Electronic proxy will also be available on this date. Directions for electronic proxy will be included with the ballot and emailed to members with email addresses on file. All ballots must be received by Sept. 7. The Teller's Committee will meet to verify the results of the election on Sept. 13. Election results will be announced in November at AIChE's Annual Meeting in Salt Lake City, UT, and in the December issue of *CEP*.

2011 Election: Treasurer

Andre R. Da Costa

Andre Da Costa, an Engineering Manager at Chevron, has 24 years of diversified industrial chemical engineering experience across four continents. He is co-inventor on 18 patents, co-author of over 20 papers, and a reviewer for the *Journal of Membrane Science* and NSF. He has an MSc from the Mendeleev Univ. (Russia) and a Ph.D. from the Univ. of New South Wales (Australia).

Since coming to the U.S. in 1999, Andre served at local and national levels in 20 different AIChE roles, including: Chair, Executive Board of the National Program Committee (2010); Chair, Separations Division (2007); National Director, 2005–2007; Meeting Program Co-Chair, 2006 Annual Meeting, San Francisco; Vice-Chair General Arrangements, 2003 Annual Meeting, San Francisco; and Chair, Northern California Section, 2002–2003.

At the NorCal Local Section, Andre implemented a vibrant technical program, developed outreach programs for young professionals, and was a successful fund raiser. He co-organized two of the largest AIChE Annual Meetings ever held. For his AIChE work, Andre received several awards, including the Van Antwerpen Award for Service to the Institute.

Andre was in that first group of AIChE Directors appointed to the Finance Committee in 2005 whose measures resulted in the large growth in net assets AIChE experienced during that period. Based on this experience, Andre believes that implementing innovative revenue generating strategies, supported by improved fiscal stewardship, governance and metrics, will be instrumental in moving forward from declining membership and decreasing net assets.

The Treasurer serves on the Executive Committee of the Board of Directors, is the guardian of the Institute's financial assets, and is involved in all major AIChE decision making and actions, and, as such, must have a sound understanding of the organization and its challenges. Andre is committed to responsible fiscal stewardship by controlling spending, maintaining a balanced budget, investing assets wisely, and providing advice on financial health and the potential impact of operating decisions.

Andre will seek to implement innovative strategies, including:

- Obtaining government grants for member programs, and partnership with industry, government and academia to enhance membership value by creating new products and services.
- Developing a business model that leverages 21st century communication and globalization to better serve young professionals, and established, retiring and international members.
- Forging partnerships with technical societies at the frontier of chemical engineering.
- Providing visible leadership in developing solutions to address the global challenges of Energy, Water and Sustainability.

Andre welcomes your suggestions at andredac@att.net.

Liese Dallbauman

Since June 2008, Liese Dallbauman has been Senior Manager of Water Stewardship for PepsiCo's international food and beverage businesses. She is responsible for water use tracking, global water risk assessment and mitigation, and water footprint strategy development. She also represents PepsiCo in the World Business Council for Sustainable Development, the Beverage Industry Environmental Roundtable, and other organizations. From 2005 to 2008, she was part of an interdisciplinary team focused on reducing energy and water use in PepsiCo's domestic Quaker, Gatorade, and Tropicana plants.

Prior to 2005, Dallbauman worked in development and analysis of environmental separation processes for NASA, Honeywell, and the Gas Technology Institute. Her education includes a BS in chemical engineering from the Univ. of Colorado, Boulder, and MS and PhD degrees in chemical engineering from the Univ. of Notre Dame. Her AIChE activities have included service as director and chair of the Separations Div., as a member of the Chemical Technology Operating Council (CTOC) and Executive Board of the National Program Committee (EBPC). She served as a national director of the Institute from 2006 to 2009. She was elected Fellow of AIChE in 2008.

AIChE's survival in the current challenging financial climate is directly due to the hard work done and the responsible path taken by the Institute's leaders — and specifically its finance committees — since the insolvency threat of 2002–03. Liese firmly believes that our investment portfolio should remain conservative and our spending should continue to be well-disciplined. While these positions may mean that we don't maximize our returns, they will also reduce the potential for devastating losses.

The Institute staff has been sharply reduced and members have heroically taken up the burden of fostering and driving programs important to AIChE's future. It is critical that we maintain a balance between promising new initiatives and existing services valued by members. Although broadening our scope has the potential to increase our appeal to a larger member pool, the staff is on the verge of being overburdened, and relying on a small number of volunteers to devote large amounts of time over a long period is risky. We must be sure that both ongoing and new programs are serving the Institute's current membership and that members are well-informed about the rationale behind these programs.

If Liese is elected treasurer, she will focus on maintaining AIChE's financial stability and ensuring that members' short- and long-term interests are reflected in the Institute's investments and actions.

Process Development Symposium Will Address Energy Issues, June 27–30

"Energy challenges for process development" will be the focus of discussion later this month, when AIChE takes its Process Development Symposium to Lake Ozark, MO, and the Lodge of Four Seasons resort, June 27–30.

Co-sponsored by AIChE's Process Development Div. and the Univ. of Kansas Energy Center, the conference is being programmed by a technical committee led by Conference Chair Laurence Weatherley, from the Univ. of Kansas. The 2010 Process Development Symposium will provide a forum for discussion of major energy issues facing the chemical process industries in the U.S. and internationally. Topics will include energy efficiency, energy security and diversity of supply, energy costs and process economics, environmental and emissions legislation, technology development, public perceptions, market opportunities, energy conservation, and the role of alternative energy and renewables.

According to Joseph Cramer, AIChE's Director of Programming, "every conference in the Symposium series has been unique and well-received by attendees and exhibitors alike." The Gordon-style conference is designed to allow participants free time in the middle of each day to connect informally with experts, practitioners and exhibitors, and to enjoy the resort setting in the Missouri Ozarks — with nearby access to golfing, spas, and lakeside wilderness areas.

Highlights of the three-day event include:

• "A National and International Overview of Energy as it Relates to Process Development," Monday, June 28. This introductory session will summarize the external drivers facing the process industries and help define the key energy challenges for process development.

• "Energy Analysis in Chemical Processing," Monday, June 28. This session will deal with energy analysis of processes, and discuss tools and strategies available to chemical engineers for energy management, design for energy efficiency, and energy audit systems.

• On Tuesday, June 29, two sessions will be based on case studies from industry. The morning session, featuring speakers from industries that are significant energy users, will offer good practices in energy management, and discuss the impacts of changes in energy markets and legislation on business and investment planning, and development needs. The afternoon/evening case studies will feature speakers from the energy supply sector, including the oil refining, power, and gas industries.

• At the closing session on Wednesday, June 30 — entitled "The Latest in Energy Developments" — speakers involved in energy R&D will address topics such as catalysis and reaction engineering for energy-efficient processes, including the development of alternative energy platforms and renewable feedstocks for the fuels and chemical industries.

It's not too late to register for the Process Development Symposium. Find details at www.aiche.org/conferences/. The registration fee includes lodging and all conference meals. For information on exhibits and sponsorship opportunities, see the Symposium website or contact Jeremy Viscomi at jviscomi@ku.edu.

Bell Elected to National Academy of Sciences

Alexis T. Bell, the Theodore Vermeulen Professor of Chemical Engineering at the Univ. of California, Berkeley, and a principal investigator with the U.S. Dept. of Energy's Lawrence Berkeley National Laboratory, has been elected to the National Academy of Sciences (NAS). He joins 71 other new members and 18 foreign associates who were recognized for their distinguished and continuing achievements in original research. The elections were announced at the 147th Annual Meeting of the Academy in April.

An authority on catalysis, Bell's 40 years of research have been devoted to understanding the fundamental relationships between the structure and composition of catalysts and their performance. His recent research has been aimed at devising new catalysts to protect the environment. He is currently leading an investigation into a class of solvents called ionic liquids that could help transform biomass into sustainable and carbon-neutral transportation fuels.

Bell received his undergraduate and graduate degrees from MIT, where he earned his ScD in chemical engineering in 1967. He joined Berkeley's Dept. of Chemical Engineering that same year, serving as Dean of the College of Chemistry from 1994 to 1999. He has been affiliated with Berkeley Lab since 1975.

A past national director of AIChE, Bell has been honored with AIChE's Professional Progress Award (1983), R. H. Wilhelm Award in Chemical Reaction Engineering (1992), and William H. Walker Award for Contributions to Chemical Engineering Literature (2005). Among additional honors, Bell was elected to the American Academy of Arts and Sciences in 2007.

Established by Congress in 1863, NAS is a private organization of scientists and engineers dedicated to science and its use for the general welfare. For more information about the Academy and its members, visit www.nasonline.org.

Obama Nominates Moure-Eraso to Chemical Safety Board

Rafael Moure-Eraso, an AIChE member and professor at the Univ. of Massachusetts, Lowell, School of Health and Environment, has been nominated by President Barack Obama to chair the U.S. Chemical Safety and Hazard Investigation Board (CSB), an independent agency charged with investigating industrial chemical accidents. The nomination was sent to the U.S. Senate on March 24.

A member of the UMass Lowell faculty for 22 years, Eraso-Moure currently chairs the Dept. of Work Environment, which teaches prevention of work-related deaths and illnesses.

"I am honored by this nomination by the President because it validates my life's work," says Moure-Eraso. "I highly respect the work of the U.S. Chemical Safety Board because its recommendations have made substantial improvements to the safety of workers and the public."

Moure-Eraso earned BS and MS degrees in chemical engineering at the Univ. of Pittsburgh and Bucknell Univ., respectively, and an MS and PhD in Environmental Health (Industrial Hygiene) at the Univ. of Cincinnati.

Prior to joining UMass, Lowell, Moure-Eraso spent 15 years as an industrial hygienist engineer with the Oil, Chemical and Atomic Workers (OCAW) and the United Automobile Workers (UAW). He has been a member of the National Advisory Committee on Occupational Safety and Health for OSHA and a member of the Board of Scientific Counselors of the National Institute for Occupational Safety and Health.

OBITUARIES

Sladjana M. Crosley, 59, Auckland, NZ

Richard Heitzman, 88, Tyler, TX*

Lowell A. Jobe, 95, Idaho Falls, ID

Paul A. Schmidtchen, 47, Glen Burnie, MD

James I. Steven, 89, Bedford, MA*

Valijee J. Suraiya, 81, Gujarat, India

Alan R. Towe, 72, Webster, TX

* AIChE Fellow

AIChE® Calendar

Conferences

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.)

JUNE 27–30, 2010	**AIChE Process Development Symposium: Energy Challenges for Process Development** The Lodge of Four Seasons • Lake Ozark, MO
AUGUST 1–4, 2010	**5th International Conference on Bioengineering and Nanotechnology** Biopolis, Singapore
SEPTEMBER 12–16, 2010	**55th Annual Safety in Ammonia Plants and Related Facilities Symposium** Hyatt Regency • San Francisco, CA
SEPTEMBER 30–OCTOBER 1, 2010	**AIChE Midwest Regional Conference** Illinois Institute of Technology • Chicago, IL
OCTOBER 7–8, 2010	**Regional Process Technology Conference** Moody Gardens Hotel • Galveston, TX
OCTOBER 10–13, 2010	**AIChE-DECHEMA Global Conference on Energy Efficiency in Process Development** Hong Kong, SAR, China
NOVEMBER 7–12, 2010	**2010 AIChE Annual Meeting** Salt Palace Convention Center • Salt Lake City, UT

Scheduled Webinars

Register and view live and archived webinars at **http://www.aiche.org/webinars/**

JUNE 9, 2010 2:00–3:00 PM ET	**Identifying Mixing Problems** Presented by Dr. Suzanne Kresta
JUNE 16, 2010 2:00–3:00 PM ET	**The Tic-Tac-Toe of Strategic Planning with TRIZ** Presented by Jack Hipple
JUNE 23, 2010 2:00–3:00 PM ET	**Inherently Safer — The Designs of the Future?** Presented by Dennis C. Hendershot and Dr. Trevor Kletz
JUNE 29, 2010 2:00–3:00 PM ET	**Modular Biocatalysis** *(Free for SBE Members)* Presented by Dr. Chaitan Khosla
JULY 14, 2010 2:00–3:00 PM ET	**Mixing Scale-Up: Small Mistakes Can Mean Big Success** Presented by Dr. David S. Dickey
JULY 21, 2010 12:00–1:00 PM ET	**Whodunnit? The Mystery of CO_2 Emissions: Is the Flowsheet or Equipment to Blame?** Presented by Dr. David Glasser