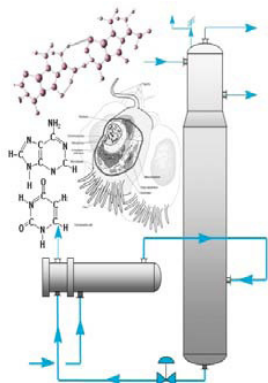


# August Newsletter



## Inside this issue:

<i>Chair's Corner</i>	2
<i>What AIChE Means to Me: Jeff Perl</i>	3
<i>Save the Date</i>	4
<i>Guest Editorial</i>	5
<i>Notre Dame Energy Week</i>	6
<i>Your Votes Matter</i>	7
<i>AIChE National: Election News</i>	10

### AIChE National Election

All ballots must be received by **September 7**.

On **August 9**, the electronic proxy website will go live. **At that time**, you can cast your electronic proxy at

[www.cssconsult.com/elections/AIChE2011](http://www.cssconsult.com/elections/AIChE2011)

# AIChE 2010

Midwest Regional Conference  
September 30 - October 1 | Chicago, Illinois

## Building the Future of Chemical Engineering



Nanotechnology | Pharmaceuticals | Process Engineering

Energy Generation and Renewables | Biological Engineering

Presented by the AIChE Chicago Section

Hosted by  ILLINOIS INSTITUTE OF TECHNOLOGY

Please check the website for more information,

<http://www.aiche.org/Conferences/2010chicagoconference.aspx>

## Chair's Corner

Welcome to the 2010-2011 fiscal year for AIChE Chicago local section. I hope you all have had a restful and rejuvenating summer because this year we have quite a few activities that you can participate in to increase your knowledge and network with colleagues.

Our annual Midwest Conference will be held at the Illinois Institute of Technology from September 30 - October 1. This year's conference focuses on the critical subjects of energy, sustainability, refining, process development, as well as environmental, health and safety issues. In addition we are continuing our sponsorship of the High School Outreach program where Chicago-area high school students will become acquainted with the various facets of the chemical engineering profession.



This year the Spring National Meeting will be held in Chicago from March 13-17 at the Hyatt Regency hotel. This is an exciting opportunity for our local section to demonstrate to the national the professional quality of our membership. There will be numerous opportunities for volunteering during this event so please contact me if you are interested.

We will, as always, have our informative and instructive monthly meetings. These events always include a social hour where you can network with fellow chemical engineers as well as enjoy a fine dinner.

All these activities cannot take place without your participation as well as your election of officers to help organize these activities. You should have received by now your annual election form for the national AIChE. I urge you all to vote for your favorite candidate. There are write-ups (<http://www.aiche.org/About/WhoWeAre/Leadership/Candidates/ElectionCandidates.aspx>) elsewhere in this issue describing the candidates for various offices.

Opportunities abound this year for participation and contribution in AIChE activities. Let this be the year that you come to a local section meeting, a Midwest Regional Conference, or a National Meeting. They are all local events this year. I hope to see you there.

Steve Rosenblum

## What AIChE Means to Me

**Jeffery P. Perl, PhD, PE, CHMM**  
**Fellow, AIChE**

During junior high school, I became interested in electronics, built simple circuits, and started to focus on electrical engineering as a career. I attended Lane Technical High School in Chicago, a technical college prep HS emphasizing chemistry, physics and math as well as electrical and electronics and other shops useful to engineers.

The Air Force provided training in electronics and afterward I entered the Illinois Institute of Technology, Chicago Illinois (IIT) as a declared EE major. During my freshman year however, a strong interaction with a chemistry professor led to an extracurricular project to build an electronic ozone gas detector in his lab following instructions published by the newly formed Environmental Protection Agency (EPA). This mentor, chemistry Prof Dave Gutman, suggested chemical engineering as a discipline which I was previously unaware and hence began a track that really has not changed since.

My first chemical engineering course at IIT, Material and Energy Balances, was taught by Professor Bill Langdon who was to become a significant role model, mentor and ultimately good friend until his passing 20 years later. Bill was the AIChE student chapter advisor and commonly took several of us in tow to the monthly AIChE dinner meetings. He also made sure we had interesting weekly lunchtime presenters from Chicago area ChE's on all manner of subjects including technical as well as interviewing and resume writing.

After completing my sophomore year, I felt the need to be certain of my career choice and decided to take off one year. As luck would have it, a man on the block where my family



lived owned a chemical solvent recycling company and I ended up working there for that year. One day to my surprise, Prof. Bill Langdon visited the plant. When I asked him what he was doing there he responded that he had designed the plant and the owner was a good friend from college. Well, I greatly enjoyed that work experience and discovering that Bill had designed that plant capped things off as a major turning point in my career, motivating me to get back to school and learn how to "be able to do what he did".

During my junior year – I became active in the IIT AIChE student chapter and started attending dinner meetings with my mentor who was chapter advisor at IIT, beginning what has become a 37 year affiliation with AIChE. How exciting it was to have dinner with Ernst Thiele, (yes of McCabe and Thiele fame) I even had the opportunity to attend an annual AIChE meeting in Los Angeles 1975.

At the request of my employer, Dr. Gil Gavlin, also a chemical engineer I took an additional year off prior to my senior year to work as plant manager and process engineer, further refining my ChE practice capabilities in a very challenging process and R&D environment.

Just prior to returning to work for a second time, I was elected IIT AIChE student chapter president. After working another year, I entered graduate school upon completion of my BS ChE; with full tuition and living stipend based on recommendations from my mentor and then department chair Darsh Wasan, himself a past national AIChE meeting program chair and contributor, who became my doctoral thesis advisor.

## Jeffery P. Perl, PhD, PE, CHMM

Upon completing a 1.5 year NSF post doctoral research fellowship at Brown University in Providence RI, I returned home to care for my terminally ill father in 1985. I then started consulting while looking for full time employment and somehow never stopped. At the same time, I became involved again with AIChE in the Chicago Section, ultimately serving as Section Chair in the early 1990's and General Arrangements Chair for the 1996 AIChE national meeting which Chicago hosted that year.

My interaction with AIChE has always led to numerous benefits including consulting assignments, leadership growth opportunities, staff and associates for my company, Chicago Chem Consultants, as well as very rewarding fellowship and the opportunity to give back to the profession. Later as an Air Force Reservist I was able to link chemical engineers, particularly in academia, with USAF, Army and Navy R&D needs at the national level. Again AIChE provided the forum for these diverse groups to meet and expanded my horizons through a multitude of technical contacts I would never have made without the organization. As chair of the Research and New Technology Committee of AIChE I was more easily able to stay on the cutting edge of our profession while helping to provide programming relevance to the AIChE membership at large.

For the past two years and in addition to my full time consulting practice, I have served as adjunct Professor in the Department of Chemical Engineering at the University of Illinois at Chicago (UIC). This came about as a direct result of my Chicago and National AIChE activities where I enjoy interaction with ChE faculty from all over the area during what has become an annual AIChE Midwest Regional Conference for the past 5 years.

The UIC faculty brought me in to provide a practitioners perspective to their two-semester senior design capstone course, and just as Bill Langdon did for me all those years ago at IIT, I now enjoy dragging my ChE senior design students to monthly meetings and helping them to make important AIChE contacts and learn how to fit AIChE into their lifelong career plans. In addition, six AIChE Chicago section members mentor six UIC senior design teams in the spring project portion of the course, further assuring practice relevance in ChE education while providing additional networking opportunities for student and faculty alike.

Ultimately, we are all responsible for our own careers and AIChE has always provided me with a deep reservoir of friends, colleagues as well as technical and professional growth opportunities. You get out of anything only when you contribute, and I feel I have benefitted immensely through the nearly 35 years my AIChE activities.

### **SAVE THE DATE**

Sept. 15 2010

**Economic Impact of Cap and Trade**

Mark Lockhart, James Woolley, URS

## Guest Editorial

AIChE Members,

I am writing to encourage you to vote for Dr. Jeffery P. Perl, P.E. for Director of the Institute this August. He has served AIChE for over thirty years in many roles in the Chicago Section, and at the National level. He is an excellent representative for the National membership at large. Jeff is the President of Chicago Chem Consultants, Inc, practicing general process design engineering. He has close ties with several other professional organizations interested in environmental issues, and with the local EPA Region 5. In addition to his consulting business, Dr. Perl is an Adjunct Professor at the University of Illinois at Chicago. He teaches the senior design course. Jeff recruited chemical engineers working in industry to serve as clients/mentors for each of the design teams. Jeff is bedrock for the Chicago section - he has been involved in planning programming at the local level, inspiring students at the three Chemical Engineering universities in the area, and can be called upon to recruit new volunteers for chapter committees and initiatives. By voting for Jeff, you are supporting representation on the National Board for regular working engineers, engineers committed to invigorating local section activities, and a strong advocate for environmental practice and support. Be sure to vote this August, either on-line or by mail, and vote for Jeff!

Friends of Jeff Perl

Annette Johnston,  
Shannon Brown,  
Alan Zagoria,  
Pat Shannon,  
Reza Mostofi,  
Dennis O'Brien

### ***ELearning Committee Needs Your Help***

The Institute's ELearning committee is looking for your help in soliciting ideas from members for potential topics. If you could poll your members at your next meeting, or in your next newsletter, that would be most helpful. You can also direct them to this article on the topic with the related poll: <http://chenected.aiche.org/education/help-us-get-our-coursework-right/>

Please email Alan Nelson with your suggestions – [aenelson@dow.com](mailto:aenelson@dow.com)





NOTRE DAME

# energy week

## QUAD DISPLAY

September 27  
10 am to 3 pm

Replacing one incandescent light bulb with a compact fluorescent means 1000 lbs. less CO<sub>2</sub> is emitted

Energy related companies are invited to display and discuss the latest advancements in energy technology, programs and sustainability with the Notre Dame community.

## South Quad - Notre Dame Campus

To register, contact  
Barbara Villarosa  
at 574-631-4776 or  
villarosa.2@nd.edu  
by September 1, 2010

### Energy Education in Action

## ***Notre Dame: Energy Week***

Dear Professional Society Members,

The Notre Dame Energy Center (NDEC) Student Advisory Board is sponsoring an event called the *Quad Display*. It is one of the main activities during the annual Notre Dame Energy Week, scheduled September 24-30, 2010. The *Quad Display* will be held on Monday, September 27, from 10 am to 3 pm on Notre Dame's South Quad (near Fitzpatrick/Cushing Hall). This event provides an opportunity for energy related companies and organizations to showcase their advancements in energy technology, programs, and sustainability for the purpose of raising awareness and educating the Notre Dame community about energy related issues.

We are looking to identify local and regional companies or individuals who are in the energy related field and would like to participate in this event. Please forward the attached flyer to your chapter members who may be interested and post the jpeg version on your website. Questions about the event may be directed to Barbara Villarosa in the Notre Dame Energy Center Office at 574-631-4776 or by email at [villarosa.2@nd.edu](mailto:villarosa.2@nd.edu).

For more information about the Notre Dame Energy Center, visit <http://energycenter.nd.edu>. Thank you for your time. We truly appreciate your willingness to support our efforts to increase energy education at the University of Notre Dame.

Sincerely,

NDEC Student Advisory Board

### ***AIChE National Election – Your Vote Does Matter!***

Historically, AIChE National elections have been won by very small margins because few people vote. The National AIChE election is underway. Hard copy ballots began arriving in our mailboxes last week. On-line voting begins August 9<sup>th</sup>. The Tellers Committee will meet September 13<sup>th</sup>. Shortly after the Tellers Committee meeting, candidates will be notified of the results. Results will be officially announced November 8, 2010 at the AIChE Annual Business Meeting in Salt Lake City, Utah.

Profiles of the candidates, as they appear on the National AIChE web site, appear elsewhere in this newsletter. Read the profiles and [vote](#). Your vote does matter!

**All ballots must be received by **September 7****

On **August 9**, the electronic proxy website will go live. **At that time**, you can cast your electronic proxy at [www.cssconsult.com/elections/AIChE2011](http://www.cssconsult.com/elections/AIChE2011).

## ***AIChE National: Election News***

### Candidate for President-Elect

**Thomas R. Hanley**, Auburn University



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](mailto:hanley@auburn.edu) to provide your thoughts or to discuss any issue facing AIChE.



## ***AIChE National: Election News***

### **Candidate for President-Elect (*by petition*)**

**David A. Rosenthal** (*by petition*), Marsulex Refinery Services

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](mailto:DavidA.Rosenthal@prodigy.net).

## ***AIChE National: Election News***

### **Candidate for Treasurer**

**Andre R. Da Costa**, Chevron

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, coauthor 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 Div. (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 fundraiser. 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](mailto:andredac@att.net).

## ***AIChE National: Election News***

### **Candidate for Treasurer**

**Liese Dallbauman**, PepsiCo

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.

## ***AIChE National: Election News***

### **Candidate for Director**

**Timothy J. Anderson**, University of Florida, Gainesville

Tim Anderson is a Distinguished Professor at the Univ. of Florida and Director of the statewide Florida Energy Systems Consortium. He received his education in chemical engineering from Iowa State (BS) and the Univ. of California, Berkeley (PhD). Tim's academic career has been somewhat unusual in that he has been able to pursue discipline research (electronic materials processing with over 200 publications and 6 patents), education research (over 25 publications), and administration (department chair, dean of research). He is editor of the *Chemical Engineering Education* journal, past consulting editor of *AIChE Journal* and a Fellow of AIChE and the American Society of Engineering Education (ASEE).



Tim has a continuous record of service to AIChE over the past 30 years, serving as founding member and chair of the Chemical Engineering Technology Operating Council (CTOC) and Program Chair for the 1995 Annual Meeting; chairing the Computational Molecular Science and Engineering Forum (ComSEF) formation committee; chairing the Executive Board of the National Program Committee (EBPC); establishing the electronic materials programming area 8e; and chairing the Materials Engineering and Sciences Div.

**Statement:** This is certainly an exciting time for our profession with our expansion into the life sciences and nanotechnology as well as the changing energy and sustainability drivers. Further changes are anticipated in the demographics of our profession, the structure of benefits offered by employers, and the way we acquire and use information. More than ever, a strong professional society is needed to provide leadership and balanced services to its members.

It is important that all chemical engineers value participation in AIChE and have pride in their profession and professional organization. If elected to the Board of Directors, I would work with the Board and other AIChE entities to address the following priorities:

- Expand cost-effective professional development opportunities and career services to our members through better use of technology.
- Ensure membership relevance to the full community with focus on attracting students and recently graduated chemical engineers as well as those from related disciplines.
- Make AIChE the premiere forum for industry-academic-government technical dialogue.
- Increase access to technical programming through society partnerships and incubation.
- Leverage the network and buying power of the Institute to provide members access to a full range of benefits including job placement and financial resources.

Thank you for your consideration. I hope that you will allow me the opportunity to serve as a Director of AIChE during this time of considerable opportunity.



## ***AIChE National: Election News***

### **Candidate for Director**

**T. Bond Calloway, Jr.**, Savannah River National Laboratory



Bond Calloway is the Alternative Energy Re-search Manager at Savannah River National Laboratory. He has served AIChE in roles focused on improving the quality and relevance of technical activities, including: 2009 Annual Meeting Program Vice Chair; Nuclear Engineering Div. Chair/Vice Chair/Director; Chemical Engineering Technology Operating Council member; and Executive Board Programming Committee member. He was recipient of the first AIChE Herb Epstein Award for meritorious contributions to AIChE and the ChE profession. He currently serves as AIChE Foundation Trustee; Research and New Technology Committee Chair; and on the Energy Advisory Board. Bond brings to his AIChE service more than 25 years of industrial experience in R&D, design, construction, and operation of nuclear waste/chemical processes. He has been an NSF peer reviewer, authored more than 40 papers about energy/environmental research, and led the development of three special energy sections for CEP. He reviews AIChE grant opportunities for AIChE staff. He received his BSChE from Auburn Univ. and is an R&D100 award recipient.

**Statement:** If elected a Director, my top priority is expansion of AIChE's membership through value-added services and securing AIChE's financial future. As the world continues to struggle through economic crisis, it is important for AIChE to develop and expand web-based services that benefit all of our members, especially those affected by economic fluctuations. These additional benefits will attract and diversify our membership, thus sustaining AIChE. Through my work as Annual Meeting Program Vice Chair and Research and New Technology Chair, I developed a web-based survey that provides insight into energy research funding sources and reported the results in CEP. This type of enhancement illustrates additional value of AIChE to industrial, university, international, and most importantly, chemical engineering students and early career professionals who remain the cornerstone to securing AIChE's future. If elected, I will:

- Foster and participate in the development and startup of value-added, institute-wide initiatives that foster university/industrial/governmental collaboration.
- Encourage development of web-based tools and services that reach out to members who may not normally be engaged in face-to-face AIChE meetings.
- Become an active leader to support student and early-career-based industrial programs.
- Provide a resource to review and develop grants for AIChE that will promote university educational projects in energy, water, and computing.
- Foster the development of regional meetings that can bring chemical engineering technology closer to our industrial and academic members.

I would appreciate your vote and support in the upcoming election.

## ***AIChE National: Election News***

### **Candidate for Director**

**Emmanuel A. Dada**, ChemProcess Technologies, LLC

An AIChE Fellow, Emmanuel is a member of the Admissions Committee, the Separations Div., and the Process Development Div. He was an active member of the Delaware Valley Local Section before he relocated to Houston in 2009, and now participates actively in South Texas Section meetings. He served as chair of the centennial General Arrangement Committee at the AIChE Annual Meeting in Philadelphia in 2008. He also served as chair of the Minority Affairs Committee (MAC) from 2000–2002, chaired its student scholarship program since 1999, and received the MAC Distinguished Service Award in 2000. He served two terms from 2006 to 2007 as chair of the Societal Impact Operating Council (SIOC) and as its secretary in 2009. In 2007, as chair of SIOC, he welcomed the idea of partnership with Engineers Without Borders (EWB) – USA, a nonprofit humanitarian organization, which eventually led to a memorandum of understanding (MOU) and a rewarding partnership between AIChE and EWB. For many years, Emmanuel represented FMC in AIChE's Center for Sustainable Technology Practices (CSTP), an industry consortium on sustainability issues. He served as a technical advisor representing AIChE on the recently released worldwide ETHICANATM video on The Global Anti-Corruption Education and Training (ACET) initiatives to reduce corruption in the engineering and construction industry.



**Statement:** AIChE faces the challenges of maintaining its financial stability, reversing its declining membership, and improving relevance. If elected, as AIChE Director I will focus on:

- Providing greater value for members, improving members' understanding of the value that AIChE provides, and becoming more responsive and relevant to AIChE members.
- Identifying new services and business models that will lead to financial strength and operational effectiveness of AIChE.
- Reversing the declining membership and positioning AIChE on the path to becoming a global organization of chemical engineers through partnership with sister organizations worldwide.
- Making local sections more relevant and effective by also including virtual local sections.
- Encouraging and engaging students and Young Professionals, as they are the future of AIChE.

## ***AIChE National: Election News***

### **Candidate for Director**

**Karl V. Jacob**, The Dow Chemical Co.

Karl Jacob is currently Fellow and Technical Manager for the Solids Processing Discipline within Engineering Sciences at The Dow Chemical Co. He received a BSChE in 1981 from Case Western Reserve Univ. He founded the Solids Processing Discipline at Dow in 1989 in order to meet the needs of the company in particle technology/solids processing, and has been recognized with several Dow awards for his technology contributions. In the early 1990s, he was a cofounder of AIChE's Particle Technology Forum (PTF), in response to an unmet need within the Institute. He received the Gary Leach Award for that work. Karl has served as both board member (1996–2000) and chair (2000–2002) of the PTF — representing the PTF to the larger worldwide solids processing community. He is currently Chair of the Nominating Committee for AIChE's Institute Awards program recognizing achievements by chemical engineers in industry. He serves as chair of the Univ. of Akron chemical engineering advisory board and routinely lectures on particle technology at several universities.



**Statement:** With the challenges we face in trends such as fresh water, sustainability, human health and energy, I believe that chemical engineers are well positioned to provide innovative solutions to these large societal problems. AIChE will play a key role in formulating and delivering technology-based solutions on many of these important issues. Chemical engineers are actively engaged across increasingly diverse sectors of industry and academia. Consequently, we need to explore ways to insure that AIChE provides relevant services to our members. From my perspective, key issues for AIChE are:

- To fully explore the opportunities for delivery of educational offerings to the members, whether in the form of webinars, short courses or other emerging media. Use of multiple delivery mechanisms will enable us to reach all AIChE members and provide them with the right content at the right time at an affordable cost.
- As we slowly work our way out of the global recession, many in the Institute are having difficulty finding employment. It is a high priority to find ways to make the connection between these members and potential employers.

To insure that the programming at all of our national and regional meetings is topical, effective and current such that those in attendance will be better prepared to address global chemical engineering issues and feel they've received good value for their registration fee.

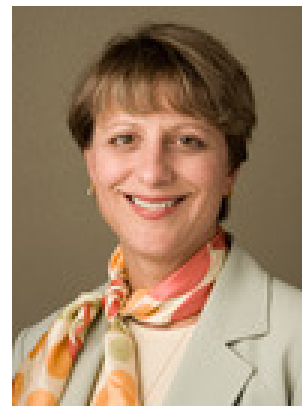
I would appreciate your vote and the opportunity to serve you as a Director of AIChE.

## ***AIChE National: Election News***

### Candidate for Director

**JoAnn Slama Lighty**, University of Utah

JoAnn Slama Lighty is Professor and Chair of the Dept. of Chemical Engineering at the Univ. of Utah. She received her BS and PhD degrees in chemical engineering from Utah. JoAnn has received the NSF Presidential Young Investigator Award, the Society for Women Engineers (SWE) Distinguished Engineering Educator Award, and the Univ. of Utah's Distinguished Service to Women and Diversity Awards. In addition to teaching and research, she has served in a variety of administrative positions, including founding Director of the Institute for Combustion and Energy Studies. Her research interests include the formation of fine particles from coal combustion and engines. Professor Lighty has been a member of AIChE for over 25 years. She has served as Secretary and a Director of AIChE's Environmental Div. and was recently elected as an AIChE Fellow.



**Statement:** As a Director of AIChE, I will continue to broaden the participation of all members (industrial, governmental, and academic) in the Institute. As evidenced by the number of AIChE technical divisions and forums, AIChE covers many specific subject areas, and participation and discussion amongst members in these diverse groups can lead to innovative solutions for the challenges facing our world. AIChE meetings are an ideal forum for discussions of innovation.

I will continue the emphasis on the involvement of student and early-career engineers in the Institute. While the ScaleUp program is effective for bringing students into AIChE, strategies must be in place to have the students continue their membership. Coordination between the Student Conference and Annual Meeting brings students and industry together and is an important learning opportunity. Students and early-career engineers are the future leaders, and their participation is critical to the future of AIChE.

In addition, AIChE services and programs must continue to meet the needs of the membership. It is important for AIChE Career Resources to play a role in helping connect potential employees with employers, as engineers face the challenges of job placement and changes. AIChE Education and Training programs are opportunities to engage the membership in career and personal development and can be used to ensure that members find value in being part of AIChE over the course of their careers.

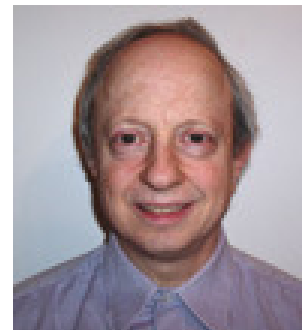


## ***AIChE National: Election News***

### **Candidate for Director**

**Jeffery P. Perl**, Chicago Chem Consultants Corp.

Jeff is President of Chicago Chem Consultants and has 25 years serving the chemical/environmental industry in process-related subjects, including design, troubleshooting, and root cause forensic engineering regarding death-related or economic loss failures and USEPA Superfund remediation. ChE education: BS (1977) and PhD (1984), Illinois Institute of Technology; post-doc, Brown Univ. (1984–85). Prior to graduate school, Jeff worked for Safety-Kleen in solvent recycling operations and development. Jeff spent 10 years as Air Force reservist in HQ assignments for the AF Civil Engineer and AF Surgeon General. Jeff is adjunct professor, Univ. of Illinois-Chicago (UIC; senior process design, 2008–present). AIChE service includes Chicago Section Chair (1993–1994); General Arrangements Chair, 1996 Annual Meeting; Research and New Technology Committee Chair (2005 and 2006); Environmental Div. Treasurer (1997–2001); Military Interaction Committee Chair (1995–2002); Career and Education Operating Council board (2008–present). Jeff is a Midwest AIChE Regional Conference organizer (2006/7/8/9), NCEES ChE PE licensing committee member (2007–present) and an AIChE Fellow (2007).



**Statement:** Because of strong mentoring, I was fortunate early on to interweave my education and ChE work experience. This gave me an understanding of the fundamental importance of integrating ChE academic research, with the demands of plant operations and industrial R&D. Air Force engineering exposed me to ChE activities within the government, most notably EPA, DOE and DOD. Threading together diverse member needs across industry, academia, government, and even public entities has been a lifelong continuing interest.

In Chicago, I work with our local section to mentor leaders and students alike, and to help develop programs that encourage high school and college student participation within AIChE, including support to our strong Young Professionals group and incorporating academia into all AIChE activities.

Experience has shown that AIChE is the logical, but not always obvious, one-stop shopping place for both technical growth and developing and sustaining lifelong networks so necessary to survival, as well as enjoyment. Helping young professionals see AIChE as a life-long professional development home is another objective. Providing a forum for academia to interact with industry is also a special focus for me. At UIC, I developed a senior design course with engineering practitioners I have known through AIChE and my practice over 25 years, to tap into the vibrant academic/industry environment.

I also believe AIChE should continue to provide rational advice to the public at large and government crafters of energy, environmental and natural resources policy. For over 30 years, AIChE has been all of these things for me and I will continue to work to help make this so for all our members, both existing and potential.

## ***AIChE National: Election News***

### Candidate for Director

#### **Freeman E. Self**, Bechtel

Freeman is a process engineer with Bechtel, specializing in process safety. He received a BChE from Georgia Tech, MSChE from Rice Univ. and MBA from the Univ. of Houston. Leadership and service to AIChE:

- Committed to local sections, he has served the South Texas Section (STS) in many positions. As Chair in 1987, he led the STS through tough times, including resuming the annual regional conferences. He cofounded STS's Young Professional Group and helped start STS's employment program.
- Past Chair of the Career and Education Operating Council (CEOC), providing operating direction for local sections, student chapters, career services and educational programs.
- Treasurer of the Fuels and Petrochemicals Div.
- Original member of Prairie View A&M Univ.'s ChE Advisory Board; served as chair and continues on the Board
- Launched the initiative to provide websites for all local sections

Lecturer for pre-conference courses and co-author of the award-winning AIChE book, "Refining Overview."



**Statement:** I will continue the great strides that AIChE has made in the last several years. AIChE is the chemical engineer's professional home, offering a wide range of technical information and global professional support, and I will advocate providing real value for our members. I invite all members to join me in tackling the important issues in chemical engineering. As Director, I will focus on the following:

- Strengthening career resources and tools. Creating certification programs, such as those being developed by the Institute for Sustainability, to enhance professional qualifications.
  - Lowering membership costs is essential. This can be achieved by establishing new sources of revenues such as corporate and public partnerships and grants, as is being done by CCPS.
  - Rolling out additional regional conferences and virtual meetings to provide convenient and inexpensive forums covering local and global issues. Continuing to increase the number of local sections with websites to improve communications.
  - Advancing networking opportunities for making and maintaining professional contacts. The recently launched ChElected website is an excellent resource for young professionals.
  - Increasing the number of sections developing Young Professional groups. Young professionals contribute dynamic ideas and leadership that sustain AIChE.
  - Expanding offerings of webinars, online courses, and other products through ChemE on Demand. Chemical engineers need instant access to information via the web.
- Supporting programs, such as the Energy Initiative, to address challenges in energy, sustainability, and the environment. AIChE has the expertise to successfully advance solutions to these problems.

## ***AIChE National: Election News***

### **Candidate for Director**

**Katherine S. Ziemer**, Northeastern University

Kate Ziemer is an Associate Professor of Chemical Engineering at Northeastern Univ. Kate worked for seven years at DuPont after earning a BS in chemical engineering from Virginia Tech. Her people and technology development experience with DuPont, along with several years of education outreach, inspired her to become a university professor. Kate earned her PhD from West Virginia Univ., and joined Northeastern Univ. in 2001. She has more than 40 publications and 70 presentations on both educational and research topics. She has organized multiple workshops in her research area of multifunctional materials, and participates in several U.S. and global research collaborations. Kate has been an active member of AIChE since 1994, has held an office in the Boston Local Section, has chaired multiple sessions at national meetings, and developed and led workshops on K–12 Outreach. She is a student chapter advisor (4 Outstanding Chapter Awards; Chem-E-Car Competition: 2nd place in 2002, 1st in 2010), a Societal Impact Operating Council (SIOC) member, and leader of AIChE's K–12 Web Initiative.



**Statement:** Chemical engineering is key to addressing many of today's grand challenges: sustainable living, environmental responsibility, protection against terrorism, advancing medicine and medical devices, improving computer, sensor, and control technology to the industrial process, and increasing technical literacy of the general public. AIChE is a global society, which deepens and broadens the societal responsibilities associated with meeting these challenges. AIChE's strength is its knowledgeable and creative membership that enables the Institute to responsibly lead technological advances.

My first priority is to expand membership and engage *all* members through relevant and meaningful services, and provide opportunities for involvement. I would like to ensure continued attention to engaging members at all stages: students, young professionals, mid-career, and Fellows. This involves continued use of technology for lifelong education and networking. I would work to identify effective ways to 1) engage all members in identifying Institute needs and enable them to participate on Institute initiatives through both web-based technology and global, topical symposia, 2) remain fiscally responsible through both external funding of initiatives and increased cooperation on common goals, and 3) promote interaction with other professional societies to synergize our collective impact on issues such as the diversity pipeline, K–12 outreach, informal education, and public policies. I will work to make AIChE a leader among professional societies, while building the public awareness of today's chemical engineer.

I am honored to be a part of AIChE. I feel confident that AIChE and its members will bring a future of promise for generations to come.



***This Fall Something Outstanding Is Going on in***



# ***Chicago***

**The AIChE  
Midwest Regional  
Conference**

***September 30 to October 1  
at  
Illinois Institute  
of Technology***

***BE PART OF IT***

- ***Hear presentations on new technology***
- ***Learn about Energy Generation***
- ***Introduce High School Students to Chemical Engineering***
- ***Learn about Pharmaceuticals***
- ***Meet with University Students***
- ***Exchange Ideas***
- ***Make new friends***

**Learn more and Register at: <http://www.aiche.org/Conferences/2010chicagoconference.aspx>**



***Also see  
Millennium Park  
in Chicago***





## Registration Form - 2010 AIChE Midwest Regional Conference

Online Registration is also available at

<http://guest.cvent.com/EVENTS/Info/Summary.aspx?e=4d2f677d-e0b8-4cb8-8144-9b18802194f6>

September 30 - October 1, 2010 at Illinois Institute of Technology, Chicago, IL

(Please Print Clearly)

Last Name		First Name		MI
Company Name				
Mailing Address				
City		State		Zip
Telephone	Fax	E-Mail Address		Professional Society

### REGISTRATION FEES

	ONE DAY		
	By 6/1/2010	By 9/26/2010	On-Site
Professional Engineering Society Members	\$ 135	\$ 175	\$ 210
Non-Members	\$ 160	\$ 200	\$ 235
Young Professional Engineering Society Member*	\$ 85	\$ 125	\$ 160
Unemployed/Retired Members	\$ 70	\$ 90	\$ 110
Unemployed/Retired Non-Members	\$ 80	\$ 100	\$ 120
Students**	\$ 10	\$ 20	\$ 30
	TWO DAY		
	By 6/1/2009	By 9/26/2010	On-Site
Professional Engineering Society Members	\$ 190	\$ 250	\$ 300
Non-Members	\$ 215	\$ 275	\$ 325
Young Professional Engineering Society Member*	\$ 115	\$ 175	\$ 225
Unemployed/Retired Members	\$ 95	\$ 125	\$ 150
Unemployed/Retired Non-Members	\$ 110	\$ 140	\$ 165
Students**	\$ 10	\$ 25	\$ 40

\*35 years old or younger

\*\*Student registration includes lunch. Students are welcome to attend sessions for free.

\*\*\*Program Book is included in non-student registration fees. Students may purchase a program book (\$ 15.00)– subject to availability

Payment by Check (payable to **AIChE, Chicago Section**)

Total Enclosed \$ \_\_\_\_\_

Payment by Credit Card  MasterCard  Visa  Amex

CC# \_\_\_\_\_

Card Holder \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

Total Charge \$ \_\_\_\_\_

Please mail registration and the payment to:

**Mike Buettner**

**33 Ponderosa Drive**

**Yorkville, IL 60540**

Phone: (630) 571\_5105

Or online at:

<http://www.aiche.org/Conferences/2010chicagoconference.aspx>

Parking is available for \$12/day at IIT visitor parking. (State Street between 31<sup>st</sup> & 35<sup>th</sup> street)

Officers and Contact Information

Chair	Steve Rosenblum <a href="mailto:Steve.Rosenblum@uop.com">Steve.Rosenblum@uop.com</a>
Chair Elect	Steve Schade <a href="mailto:ssschade@juno.com">ssschade@juno.com</a>
Chair Programming	Peter Herena <a href="mailto:peter.herena@kenexis.com">peter.herena@kenexis.com</a>
Secretary	Tom King <a href="mailto:stephen.king@uop.com">stephen.king@uop.com</a>
Treasurer	Mike Buettner <a href="mailto:Mike.Buettner@alfalaval.com">Mike.Buettner@alfalaval.com</a>
Newsletter Editor	Azita Ahmadzadeh <a href="mailto:azita.ad@gmail.com">azita.ad@gmail.com</a>

Directors at Large

Annette Johnston <a href="mailto:Annette.Johnston@abbott.com">Annette.Johnston@abbott.com</a>	Dennis O'Brien <a href="mailto:Dennis.O'Brien@jacobs.com">Dennis.O'Brien@jacobs.com</a>
	Bill Glogowski <a href="mailto:glogowwk@middough.com">glogowwk@middough.com</a>

## AICHE CHICAGO SECTION

**American Institute of Chemical Engineers**

Chicago Section  
13964 Doral Lane  
Homer Glen, IL 60491  
[aichechicago@gmail.com](mailto:aichechicago@gmail.com)

We are on the web  
[www.aiche-chicago.org](http://www.aiche-chicago.org)

**We want you for AIChE-Chicago!**  
**We need your help!**

How many opportunities can you find to learn project management, delegation and leadership skills for free? Becoming an officer in the Chicago Section of AIChE is such an opportunity. While you're learning new skills, your local network grows. Just about all of us are either undergoing a career change, contemplating a career change, or are wondering if our career will be changed for us. Volunteering with AIChE is a way to add skills and accomplishments to your resume.

[aichechicago@gmail.com](mailto:aichechicago@gmail.com)

[http://www.aiche-chicago.org/Section\\_Info/Volunteer.html](http://www.aiche-chicago.org/Section_Info/Volunteer.html)

## Submitting Articles to AIChE Columns

We welcome email submissions for our monthly newsletter. Commercial announcements are subject to the fee schedule below. News stories, editorials, technical or career related non-commercial contributions are always welcome with no charge. We consider job postings, announcements of for-fee training courses, expositions, conferences as commercial. Categorization of announcements is at the sole discretion of the Chicago AIChE Board of Directors. Chicago AIChE may publicize activities of interest to our members by cooperating professional societies and other non-profits without charge.

Please submit your material to [aichechicago@gmail.com](mailto:aichechicago@gmail.com) with "newsletter article" as a subject line.

AICHE Publicity Committee Fees	Academic (non-AICHE)		Company		Recruiters	
	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year
<b>Advertisements (3X3)</b>	100	450	150	675	N/A	N/A
<b>Half-Page (~7"x 4.5")</b>	280	1260	420	1890	N/A	N/A
<b>Job Posting (Size?)</b>	50	225	100	450	250	N/A
<b>Special Sizing</b>	Contact Publicity Committee <a href="mailto:aichechicago@gmail.com">aichechicago@gmail.com</a>					

For the purchase of a year ad, customers have the option of changing ads/jobs month to month.

Student and AIChE Member Related Postings are Free.

