

# The South Texan

2003 Marx Isaacs Award for Outstanding Large Section Newsletter

Voted "Best Newsletter" at 2009 AIChE Leadership Development Conference



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Monthly Meeting Nov 04, 2010

Central Location: Pelazzio Banquet Hall

Satellite Location: Lone Star College - Montgomery (The Woodlands)

Meeting Time: 7.00 pm (both locations)

(Social Hour starts at 6.00 pm at the central location and The Woodlands group networking hour at the Tailgator's Pub)

## HOUSTON WATER: SEEKING THE SEA

The city of Houston is wed to the water and defined by water -- water flowing through it, and its water corridor to the sea. Let us pause this evening to think about how our ever-present waterways have shaped the technologies that have shaped us, throughout our 174-year history .

Bio: John H. Lienhard, author and voice of The Engines of Our Ingenuity, is Professor Emeritus of Mechanical Engineering and History at the University of Houston. He received BS and MS degrees from Oregon State College and the University of Washington, his PhD from the University of California at Berkeley, and he holds two honorary doctorates. He is known for his research in the thermal sciences as well as in cultural history. He is an Honorary Member of the American Society of Mechanical Engineers and a member of the National Academy of Engineering.



In addition to many awards for his technical contributions, Dr. Lienhard has received, for his work on Engines, the ASME Ralph Coates Roe Medal for contributions to the public understanding of technology, the 1991 Portrait Division Award from the American Women in Radio and Television, and the 1998 American Society of Mechanical Engineers Engineer-Historian Award, other ASME honors, and two 2005 Crystal Microphone Awards.

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## Workshops begin at 5:30 PM at Pelazzio Banquet Hall (Workshops are free and open to public)

### PE/PO workshop

**Speaker:** Joseph T. Ramey, P. E.

#### Evaluation of Variable Frequency Drives for Pumps

**Abstract:** The process engineer needs to know a number of things more about VFDs than he would expect in order to evaluate their use on pumps. Also, a review of some pump fundamentals that relate to the use of VFDs is helpful. As in many things in process design, the business and policy related items, such as the cost of power and the payout time to be used in the evaluation, must be provided by the owner and are critical. The foregoing along with other considerations show that there are differences between new and retrofit applications that make it possible to present an approximate method to evaluate new applications, but that retrofit applications tend to require individual analysis.

The screening method to be presented indicates that 480-Volt VFDs are economically justified for a large part of the range of their application to typical new pumping applications as found in the refining and chemical industries. There are some additional characteristics of specific cases that can make these cases even more attractive. Finally, from the viewpoint of the management of studies, the low costs of the 480-Volt VFDs make it unjustified to spend much money doing detailed evaluations.

*Bio: Joseph received his B.Ch.E. from the University of Virginia and his M.S.Ch.E. from the Georgia Institute of Technology. He is a registered professional engineer in the states of New Jersey and Texas. Since founding Westchase Design, L. L. C., Joseph's work has been almost exclusively for Commonwealth Engineering and Construction. Prior to that, he had worked for Foster Wheeler, Fluor Daniel, and ABB Lummus Global in Houston. His work during this time has been almost all on the design side, and he would have to go even further back in his career for any work in operating companies. This focus is evident in the presentation, but he is looking forward to contributions from the operating side annually in process safety training.*

### CAST workshop

**Speaker:** Josh Hamit

#### Inexpensive Development of Computer Based Training Materials

**Abstract:** In order to assist in the development of junior engineers as well as preserve and transfer knowledge from more senior personnel, very often lost through turnover and retirement, it is necessary provide and maintain a medium for convenient and consistent training. Josh Hamit will speak about the development of training modules for process engineers that cover the recommended practices for using various engineering software tools and their application in the refining industry

*Bio: Josh Hamit a recent graduate of Oklahoma State University received degrees in Chemical Engineering and Mathematics. Josh is a process engineer in a technical services group for ConocoPhillips.*



### PD workshop

**Speaker:** Yvonne Esch: President, Parthenon Management & Consulting, Houston, TX

#### The How and Why of SharePoint

**Abstract:** With document retention /disposition, classification, collaboration, and find-ability becoming important topics for many industries, Microsoft SharePoint is quickly becoming a key part of most organization's information management solutions. Across the Oil and Gas industry, SharePoint 2007 and SharePoint 2010 are revolutionizing how we think about storing, tagging, and retaining files. In this session, learn more than how to use SharePoint, learn why it is changing the face of file management at work and at home. This session covers basic SharePoint operation, policy and governance considerations, and best practices for thriving in your organizations' SharePoint implementation.

*Bio: For over 12 years, Ms. Yvonne Esch has been consulting for industry leaders such as Marathon, BMC Software, Texas Children's Hospital, and Marsh & McLennan on maximizing the value of technology investments through effective technical project management. Through the implementation of many systems, she has developed an interest and specialization in Microsoft Office SharePoint Services 2007 (MOSS 2007) and strategies for using this powerful tool for creating integrated knowledge management systems that help companies and business workers realize the goal of collaborating on, storing, and finding information across complex, global organizations. In addition to her work in technical consulting, she has an established background in technical training. She earned her Microsoft Certified Trainer certification in 2002 and has taught classes for corporations including Microsoft, Coastal Corporation, ExxonMobil, Chevron, and Aker Solutions.*



## Meeting Registration Information

Membership in STS-AICHe is a bargain at \$20/year! If you wish to become a member, you may join at the registration desk at the meeting.

STS-AICHe: September meeting at <u>Pelazzio Banquet Hall</u>				
	Pre-Registration	Pre-Registration	At the door	At the door
	Members	Non-Members	Members	Non-Members
Regular/Retired	\$25	\$30	\$35	\$40
Student/Unemployed	\$15	\$20	\$25	\$30
STS-AICHe: September Satellite meeting at <u>Lone Star College</u>				
All	\$11			

NOTE: You have until 4 PM CST on Nov 3<sup>rd</sup> to pre-register online. After that, you will be required to pay the higher cost at the door.

Pre-registration for the meeting is now open through our new website at:

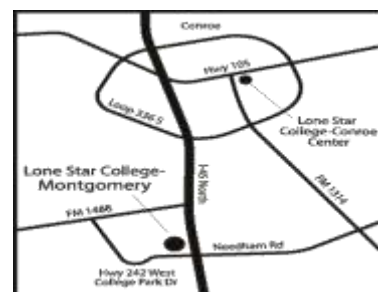
<http://sts.aiche.org/content/meeting-pre-registration>

*Attendees of the meeting will earn 1 PDH  
for the Texas Professional Engineer  
Continuing Education Programs.  
Remember to track your hours!*

## Meeting Location—Pelazzio Banquet Hall



This month's meeting will be held at Pelazzio Banquet Hall (12121 Westheimer Rd, Houston, Texas 77077). Double click on the map to the left for directions from your location. Satellite meeting will be held at Lone Star College - Montgomery (Building A Room A-102) at **3200 College Park Drive, Conroe, TX 77384**. Double click on the map to the right for directions



## STS-AICHe Future Dinner Meeting Schedule, 2010

Date	Sponsor	Location	Dinner Speaker Topic	Speaker	Workshops
December 2, 2010	None	Westchase Hilton	THE AMAZING MAGIC ILLUSION SHOW (Christmas Social)	Philip & Henry USA	no

## News from Other Professional Societies

### Wanted Mentors for Future City Competition.

The mission of the National Engineers Week Future City Competition is to provide a fun and exciting educational engineering program for sixth, seventh and eighth grade students that combines a stimulating engineering challenge with a "hands-on" application to present their vision of a city of the future. Mentors should have a technical background but license or degree is not mandatory. **When: September – January, Time: Generally 6-10 hrs/month, Where: A Middle School near you!** If interested, please contact Heather Gilligan, South Texas Regional Mentor Coordinator, at [hkgilligan@gmail.com](mailto:hkgilligan@gmail.com).

## STS-AIChE 2011 Officer Elections and Bylaw Amendments

Elections are underway for the South Texas Section, American Institute of Chemical Engineers (STS-AIChE) Executive Committee officers with terms starting in January 2011. The open positions are Chair-Elect, Treasurer, Position 1 (Education) and Position 3 (Communication). The ballot form starts below and continues on the next page. The ballot also includes several proposed amendments to the bylaws of STS-AIChE. You will find candidate bios and full details of the proposed bylaws amendments on the pages after the ballot form.

This is a mail ballot form, and it offers the highest level of secrecy for your vote. We are also contacting eligible voters by email to offer confidential email balloting. In addition, ballot boxes will be available at our November and December meetings. However, you may submit only ONE ballot.

### Eligibility

**In order to vote you must have an AIChE membership grade of "Member" or higher, and also be a member of STS-AIChE.** (Currently STS annual dues are \$20, paid in addition to AIChE National dues.)

If you are an eligible member, please vote. Your input is important to STS-AIChE.

### Mailing Instructions (secret ballot)

Please mail your completed ballot to:

David Karesh, Chair

Tellers Committee, STS-AIChE

5531 Rutherglenn Drive

Houston, TX 77096

Write your NAME and ADDRESS, as they appear in AIChE records, at the top left side on your envelope. If available, please also write your AIChE Member Number under your address. The Tellers Committee will use this information to validate ballots before opening. Envelopes will be separated from ballots before tallying, allowing for a blind ballot count.

### Deadline for Return

Balloting is scheduled to end immediately following the December 2 STS-AIChE Meeting. However the Tellers Committee may extend balloting at its sole discretion.

### Ballot Form

Please check the box next to ONE candidate for each of the following positions:

Chair-Elect	Check Box	Position 3 (Communication)	Check Box
Richard Newman .....	<input type="checkbox"/>	Jay Chandrasekan.....	<input type="checkbox"/>
James Turner.....	<input type="checkbox"/>	Hiren Patani .....	<input type="checkbox"/>
<b>Position 1 (Education)</b>			
Gary Gildert.....	<input type="checkbox"/>		
Heather Gilligan.....	<input type="checkbox"/>		

We have three candidates for the position of Treasurer. Please place a "1" in the box next to your first choice, and a "2" in the box next to your second choice. If no single candidate receives more than 50% of the first choice votes, the third placed candidate will be eliminated and his or her votes will be assigned to the other candidates based on second choice votes.

### Treasurer

Katherine Leskin ..... ☐  
 Ven Pinjala ..... ☐  
 Carlos Salamanca ..... ☐

Ballot continues on next page—>

## STS-AIChE Ballot Form—Continued

The following bylaws amendments have been endorsed by the Executive Committee and are presented for adoption. **The Executive Committee recommends that you vote YES for all four propositions.** Check your selection (YES or NO).

### PROPOSITION NO. 1

#### BYLAWS AMENDMENT – JURISDICTION

This amendment would adjust the wording in the bylaws describing the geographical region encompassed by the South Texas Section. The purpose is to bring agreement with the jurisdiction region as currently defined by the AIChE institute headquarters. This change affects Article I of the STS-AIChE Bylaws.

Should the bylaws be amended to update the jurisdiction of STS-AIChE?

YES ..... ☐

NO..... ☐

### PROPOSITION NO. 2

#### BYLAWS AMENDMENT – MEMBERSHIP

This amendment primarily updates the membership grades listed in the bylaws to be consistent with the grades currently used by AIChE. New grades have been added and some grades mentioned are no longer available. This change affects Article II Section 1, Article II Section 2, and Article IV Section 1 of the STS-AIChE Bylaws.

Should the bylaws be amended to update the membership grades listed in the bylaws?

YES ..... ☐

NO..... ☐

### PROPOSITION NO. 3

#### BYLAWS AMENDMENT – BALLOTS

This amendment updates language to be consistent with modern methods of communicating election instruments. The amendment **changes the wording “mail ballot” to “ballot”**. This change affects Article V Section 1 and Article XII Section 3 of the STS-AIChE Bylaws.

Should the term “mail ballot” be revised to “ballot” in the bylaws?

YES ..... ☐

NO..... ☐

### PROPOSITION NO. 4

#### BYLAWS AMENDMENT – NOMINATIONS

This amendment allows the Nominating Committee to provide a single candidate for each elective Executive Committee position, with the exception of the chair-elect. The Nominating Committee will continue to provide two candidates for the Chair-Elect position. This change affects Article V Section 2 of the STS-AIChE Bylaws.

Should the required number of candidates required from the Nominating Committee be reduced to a single individual for all Executive Committee positions with the exception of Chair-Elect?

YES ..... ☐

NO..... ☐

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Please mail your completed ballot to David Karesh, Chair, Tellers Committee, STS-AIChE, 5531 Rutherglenn Drive, Houston, TX 77096. Write your NAME and ADDRESS, and if available also your AIChE Member Number, on the outside of the envelope.

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## Candidate Bios

### Candidates for Chair-Elect

#### Richard Newman

Richard Newman is a Process Engineer in the Process and Evaluations Group of Shell Projects and Technology. He provides process engineering and economic guidance to research programs and projects in the planning stages. He has over 38 years of varied experience in the chemical industry, including positions with Monsanto Company, Gulf Oil, Hoechst-Celanese, Huntsman and Shell.

Richard received a B.S. in Chemical Engineering from Lamar University in 1964 and M.S. and Ph.D. degrees in Chemical Engineering from the University of California at Berkeley in 1966 and 1972, respectively and is a Registered Professional Engineer in Texas. He has held the position of Arrangements Chair in the AIChE South Texas Section for the last 20 years.

#### Statement

I have been an AIChE Member since 1968 and have been active in the South Texas Section for the last 20 years. As Chair-Elect I will continue the effort to provide topical programming for our monthly meetings. I will also continue the efforts to make AIChE relevant and useful to the membership. Valuable activities such as Young Professionals and K-12 outreach will be encouraged.

#### James Turner

**James Turner is an Executive Process Director for Fluor, the world's largest publicly held engineering, construction, and diversified services company.** He has over 25 years industry experience, including 22 years at Fluor. His technical expertise lies in hydrotreater and hydrocracker design and operation, refinery configuration, hydrogen management, clean fuels designs, distillation, and hydroprocessing ammonium bisulfide corrosion.

Mr. Turner received his Chemical Engineering degree from Texas A&M University in 1983. He has held several positions for AIChE, including Director, Newsletter Editor, Treasurer, Second Vice Chair, First Vice Chair, Chair, and Past Chair for the Fuels and Petrochemicals Division. He was also the Refining Session Chair for the 2009 Galveston Process Technology Conference, and is Co-chair for the Refining Session for the 2010 Galveston Process Technology Conference. He has been an active participant in South Texas Section meetings for many years.

#### Statement

I have been active in the chemical engineering community since my graduation in 1983. For the last 20 years, I have participated in local and National AIChE activities. Since 1997, I have been active in the Fuels and Petrochemicals Division, as a Director, Newsletter Editor, Treasurer, and 2<sup>nd</sup> and 1<sup>st</sup> Vice Chair, Chair and Past Chair. Earlier this year I was asked to serve on the AIChE Executive Board Programming Committee, and I am chair of the **"Beyond Programming" Task Force.**

From my National perspective, I have been impressed with the activities and programs that the South Texas Section has developed. I truly believe it is an excellent local section, and an example for other sections in the country.

As STS Chair-elect, I will work to continue the great programs that have been established, look for outreach opportunities to present the story on what AIChE and the South Texas Section can do for chemical engineers in the region, and help communicate how the successful programs developed by the South Texas Section can be spread to other sections.

### Candidates for Position 1 (Education)

#### Gary Gildert

Policy Statement: I was honored last year when I was asked to fill the unexpired term for Position 1 – Continuing Education. Chairing the PE/PO workshops for two years helped to prepare me for the transition, but I still learned a lot in the past year. Together with my workshop chairs, we have improved our scheduling to produce a more balanced program for the membership every month. We have also integrated the new PD workshops with minimal disruption. With your endorsement, I can further strengthen the workshops by making full use of the technology available to us.

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## Candidate Bios - Continued

**Bio:** I have participated in AIChE events for twenty-five years, been a member of the South Texas Section for seventeen years, and most active for the past four years. I have presented at two workshops, served as a dinner speaker, and chaired the Process Engineering / Plant Operations Workshops for the past three years.

Gary Gildert received his Bachelor of Applied Science (Ch.E.) from the University of Waterloo in 1981 and his Masters of Business Administration from Rice University in 2005. He is a registered professional engineer in Ontario, Canada (1986) and Alberta, Canada (1990), a member of American Institute of Chemical Engineering (1997), American Chemical Society (2005), and South West Catalysis Society (2005). He is an internationally recognized expert in hydro treating with 24 patents, over 40 publications, and numerous international presentations.



Gary started his career with Petrosar (Polysar, Novacor Chemicals) in operations support and process design for 11 years with assignments in Ontario and Alberta, Canada. He continued his work in distillation and hydrogenation technology at Chemical Research and Licensing (CDTECH) in Houston, TX as the process development manager for their emerging hydrogenation technology. After eight years of R&D, he joined a major global catalyst company as Regional Sales Manager with sales in the US Gulf Coast and technical support globally for olefins purification catalysts. Shortly after earning his MBA from Rice, he co-founded Custom Catalytic Solutions, where he was responsible for marketing, sales, technical service, and finance. Gary joined Johnson Matthey Catalysts two years ago with responsibilities for technical service and marketing new hydrogenation catalysts.

### Heather Gilligan

I have a degree in chemical engineering from Vanderbilt University and am a licensed engineer in the State of Texas. I have recently moved into a new position in ExxonMobil Research & Engineering as a senior process engineer which has allowed me to devote more time to volunteer activities.

In the past, I have been involved in various AIChE sections as I relocated with ExxonMobil to various locations. I have been involved with AIChE since college as both class representatives then president of the Vanderbilt University student chapter my senior year. I have also been actively involved in Society of Women Engineers and chaired my division's holiday charity drive at work.

Over the past year, I have worked closely with the executive committee members and young professionals to organize and support K-12 outreach events. We've had our best year ever volunteering at multiple science competitions, career fairs and other types of fairs with more than 30 members participating. Through this effort, I have met a large cross section of the South Texas Section membership encompassing a large gradient of experience levels and job types. I am a technical professional that works with a large number of experts as well as coaches new hire engineers. This has given me a unique view of the technical programming needs of our members—from the more experienced engineers who need continuing education to maintain professional engineering licenses to new engineers looking to broaden their knowledge quickly. Going forward, the technical program needs to continue to meet the needs of both of these groups as well as grow to encompass programs in non-traditional chemical engineering fields such as material science that many of our members deal with frequently. My work with other engineering societies through the Houston Engineering Week Committee and the Future City Competition gives me many contacts to help broaden the scope of the technical program with experts from other organizations.

### Candidates for Position 3 (Communication)

#### Jay Chandrasekaran

Jay Chandrasekaran (P.E) is currently working as Process engineer at KBR. He has been with KBR since January 2006 and is currently working on a coal gasification project. Jay holds a BS in chemical engineering from Madras university, India and an MS in chemical engineering from Lamar University, Beaumont, TX and is a licensed Professional Engineer in the state of Texas. Jay has co-authored a patent application on **"Systems and Methods for Increasing Carbon Dioxide in Gasification"**. While attending graduate school at Lamar, Jay worked as a Research Assistant and published a paper on Large-scale Dynamic Simulation for Security Assessment of an Ethylene Oxide manufacturing process. Prior to working in KBR Jay worked with Alpha Sim Technology, an operator training simulator company for a year.



## Candidate Bios - Continued

Jay is currently the newsletter editor for the STS-AIChE which he has been doing for last one year. He enjoys working with the communication team and is working towards transitioning the pdf newsletter to an html one. He is also the membership chair for STS AIChE Young Professionals. In his spare time he enjoys taking photographs involving landscapes, portraits, macro and wildlife with his DSLR camera.

Hiren Patani

Hiren Patani, is currently the treasurer of STS-AIChE. His background includes working on various project in Refinery and Petrochemical Industries while working for Mustang Engineering.

**Before joining Mustang Engineering, he completed his Master's degree in Chemical Engineering from Texas A&M University –Kingsville. While at Texas A&M University, he was involved in research activities and published a paper on "Multiphase Flow Hydrodynamics". He was also involved with local student chapter of AIChE. Before joining Texas A&M University, he worked for Scottish Chemical Industries in India after graduating with a bachelor's degree in Chemical Engineering from University of Mumbai.**

He is a member of American Institute of Chemical Engineers (AIChE) and Society of Petroleum Engineers (SPE).

Candidates for Treasurer

Katherine Leskin

Katherine Leskin (P.E.) works at Fluor in the Process Engineering department. She has been with Fluor for three years. Prior to Fluor, she worked at the U.S. Chemical Safety Board in Washington, DC for two years. She graduated from MIT in 2005 with a Bachelor of Science in chemical engineering and expects to earn a Master of Civil Engineering degree in project and construction management from UH in December 2010. She is currently the STS AIChE YP Treasurer and looks forward to signing even bigger reimbursement checks. She thanks Kelly Richardson for her nomination to the position of STS Treasurer.

Ven Pinjala

Ven Pinjala is currently a Senior Principal Business Consultant with Aspen Technology providing Sales/Marketing support to the Engineering software business.

Ven has extensive experience in business development in the Chemical industry - specializing in process simulation, process development / scale-up / design and business support. He has proven expertise in leading technical projects from inception to completion and providing marketing, business development, and manufacturing / customer support. Prior to joining AspenTech, Ven worked for Union Carbide, Koch & Exxon, and developed/commercialized new technologies such as reactive distillation for the production of ethers. He also authored a patent and several publications.

Ven has a PhD in Chemical Engineering from the University of Houston. He currently serves on the Industrial Advisory Board of the department of Chemical and BioMolecular Engineering at the University of Houston. He is a member of AIChE since 1981.

Carlos A Salamanca

Carlos is currently working as Inside Sales at National Oilwell Varco. Carlos joined the company as Offshore Project Coordinator where he prepared commercial and technical bids on offshore drilling equipment projects. His role then expanded to also supporting the growing Brazilian market. Carlos started his career with Texaco at the lubricants plant in Bogotá. He has held several positions through different oil and gas projects. He also has a valuable experience working in Education.

He earned a BS in Chemical Engineering from the Universidad Nacional de Colombia, and received an MBA from Bauer College of Business at University of Houston. Carlos holds a PMP (Project Management Professional) certificate from the Project Management Institute, and an EIT (Engineer-In-Training) certificate from the Texas Board of Professional Engineers.

Carlos is an active member of the STS AIChE Young Professionals Board, Toastmasters International club, OTC committee, and PMI Houston chapter.





## PROPOSED AMENDMENTS TO THE STS-AIChE BYLAWS

### PROPOSITION NO. 1:

#### ARTICLE I

##### JURISDICTION

**The boundaries of the South Texas Section of the American Institute of Chemical Engineers (hereinafter called "STS-AIChE")** shall encompass the following counties, portions of counties, or cities of the State of Texas: Anderson County, Angelina County, Austin County, Brazos County, Burleson County, Chambers County except that portion comprising zipcode 77665 (the unincorporated town of Winnie), Colorado County, Fort Bend County, Freestone County, Galveston County, Grimes County, Harris County, Houston County, Lavaca County, Leon County, Liberty County, Limestone County, Madison County, Montgomery County, Polk County, Robertson County, San Jacinto County, Trinity County, Tyler County, Walker County, Waller County, Washington County, Wharton County, and all communities in Brazoria County north of or adjacent to Texas Highway 6.

### PROPOSITION NO. 2:

#### ARTICLE II

##### MEMBERSHIP

Section 1. The membership of the STS-AIChE shall be limited to Fellows, Senior Members, Members, Associate Members, Affiliates, and Student Members of the American Institute of Chemical Engineers, residing or engaged in business within the boundaries encompassed by the STS-AIChE, and they shall be referred to as Members.

Section 2. People qualified for membership in the American Institute of Chemical Engineers but who are not members may become Local Members of the STS-AIChE for a period not to exceed two years. During this period, it is expected that Local Members will apply for one of the grades of membership in the American Institute of Chemical Engineers. Nothing in this bylaw shall be construed to prevent members from bringing nonmember guests to meetings of the STS-AIChE. Student Members, Affiliates, and Local Members may not hold office in the STS-AIChE and may not vote in elections of officers or amendments to the bylaws.

#### ARTICLE IV

##### OFFICERS

Section 1. The officers of the STS-AIChE shall be a Chair, a Chair-Elect, a Secretary, a Treasurer, a Past Chair, and four Executive Committee Positions. All officers must be Members of the STS-AIChE, and they must be Fellows, Senior Members, or Members, or Associate Members of the American Institute of Chemical Engineers. The Chair-Elect shall serve as Vice-Chair of the STS-AIChE and shall automatically succeed to the Chair. The Chair and Chair-Elect shall serve for a one year term in each office or until the successor of the Chair-Elect is elected and takes office.

### PROPOSITION NO. 3:

#### ARTICLE V

##### ELECTIONS

Section 1. Officers of the STS-AIChE shall be elected by mail ballot under procedures prescribed by the Executive Committee and shall take office on January 1 following their election or as soon thereafter as possible.

#### ARTICLE XII

##### AMENDMENTS

Section 3. After due consideration by the Executive Committee, proposed amendments shall be submitted no later than the next STS-AIChE election to the voting membership of the STS-AIChE for adoption by mail ballot under procedures approved by the Executive Committee. If the votes in favor of adopting proposed amendments are at least two-thirds of votes received and the total vote is at least ten (10) percent of the Members of the STS-AIChE entitled to vote in respect thereof, proposed amendments to the bylaws shall be adopted.

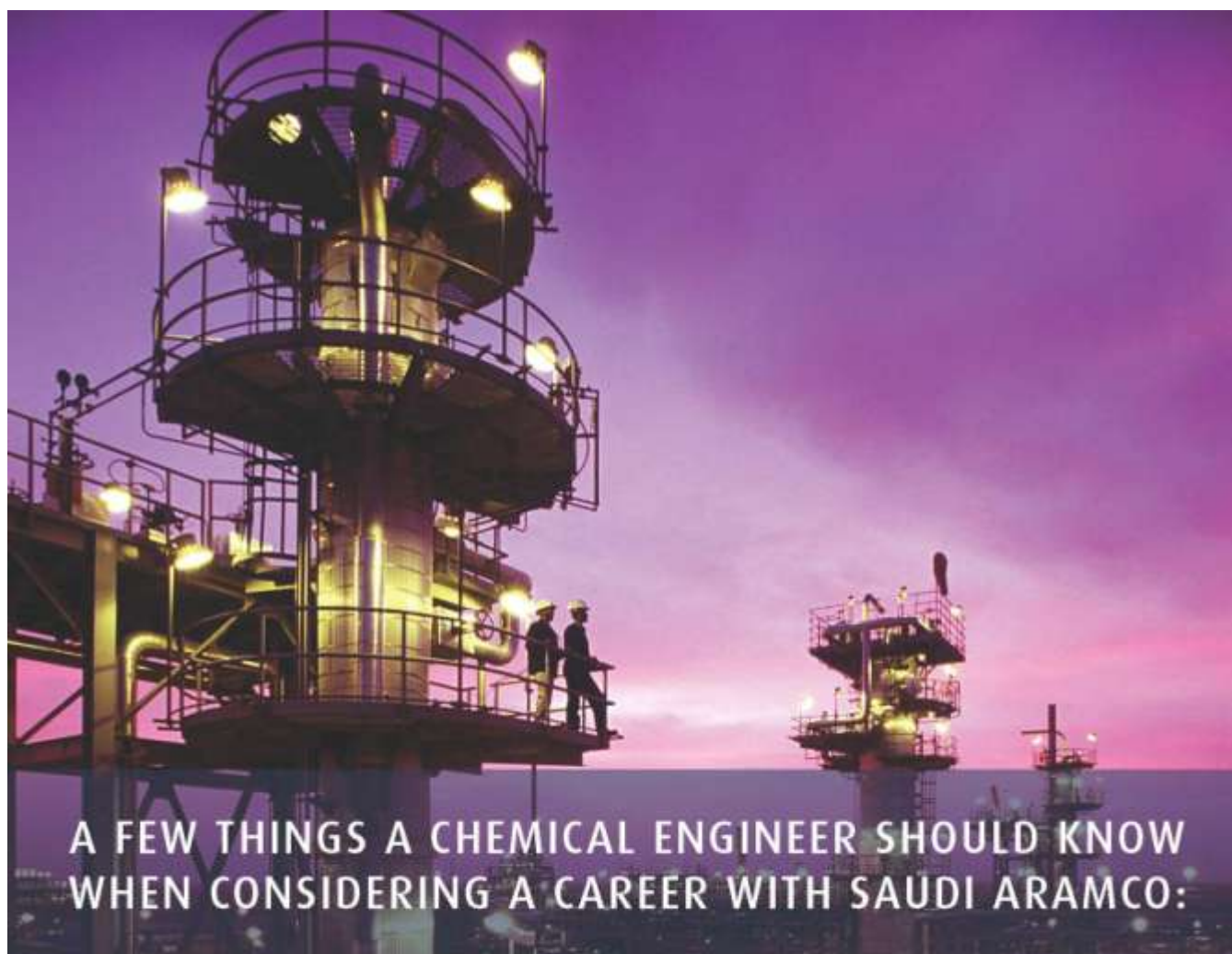
### PROPOSITION NO. 4:

#### ARTICLE V

##### ELECTIONS

Section 2. The Nominating Committee shall nominate at least two candidates for the position of Chair-Elect and one candidate for all other each elective offices to be filled in the forthcoming election and present its report to the Executive Committee at the September meeting.

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## A FEW THINGS A CHEMICAL ENGINEER SHOULD KNOW WHEN CONSIDERING A CAREER WITH SAUDI ARAMCO:

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## 2010 50 Year AIChE Membership Recognition

At the September South Texas Section Monthly Meeting on September 2nd, the STS-AIChE recognized those STS Members who have been AIChE Members for 50 years in 2010. Those present to be recognized were Robert L. Alexander, Dale L. Fridley, Jerry M. Hensley, Dexter Hill, Eugene V. Holzer, Walter A. Inkofer, and L. Waldo Leggett. Before the recognition of those present, the names of those who have achieved 50 years of AIChE Membership in 2010 and could not be present were announced. Those who were not present were: Charles A. Dickens, Thomas F. Dowse, Andrew E. Helms, Robert P. Larkins, and Donald P. Sobocinski.

The 50 Year AIChE Membership Certificates were presented by Alan Rossiter, STS Chair.

**Robert L. Alexander:** Bob earned his BSChE in 1948 from Louisiana State University. Following college he spent time serving his country as an engineering officer on a U S Navy YGD-10 degaussing vessel and retired as a Lieutenant (jg). Upon returning to civilian life, Bob joined AMOCO at the Texas City Refinery where he worked until retiring. While at AMOCO he found time to obtain an MSChE from Louisiana Tech University in 1962. Following retirement from AMOCO, Bob worked for Georgia Gulf as a consulting engineer. He also worked for Naval Architect Ed Phillips on the Battleship Texas.

Bob has been an Offshore Technology Conference volunteer for the STS – AIChE for at least 20 years. He is a Senior Member of AIChE, a Registered Professional Engineer, and has a pilot's license. He owns a Cessna 170 and also flies gliders. Bob is the proud father of two children and fishes, helps out as a deck hand on his son's boat, and likes to hunt squirrels and deer.

**Charles A. Dickens:** Charles earned his BSChE in 1954 from North Carolina State University. After graduation he joined Texaco at their Port Arthur Refinery for one year. Having participated in ROTC in College, Charles fulfilled his military obligations in the US Air Force, retiring as a captain. Following his military career, he rejoined Texaco in New York. Texaco soon had Charles traveling all over the world with stops in the United Kingdom, Belgium, West Africa, and Saudi Arabia as part of his assignment in Texaco's sales and marketing division as a Sales Manager. He returned to the states and worked a while in Chicago and then was assigned to Houston. Charles then left Texaco and worked for South Coast Terminals for 14 years until his retirement in 1996.

He is a Senior Member of AIChE and is the proud father of four daughters and nine wonderful grandchildren. One of his daughters is a medical doctor and another is a professor at Texas A&M.

**Thomas F. Dowse:** Tom earned his BSChE in May 1959 from Texas A&M University where he first joined AIChE as a Student Member in 1957, has been a member since, and is a Senior Member. After graduation, he joined B.F. Goodrich Chemical Co. and worked in the General Engineering & Manufacturing Management and left them in 1976 as a Product Manager. Tom then joined Magna Corporation, an oil field production chemicals company in the area of general engineering & manufacturing management serving as a Division Manager - Manufacturing. In 1980 he joined Mi-Swaco, a drilling fluids chemical additives manufacturer, in general manufacturing management where he retired as Director, Chemical Operations (Domestic & International) in 2001. Following retirement, Tom formed T. Dowse & Associates, LLC an Engineering & Management Consulting, which he served as president and owner until 2008.

**Dale L. Fridley:** Dale earned his BSChE from Iowa State University in June of 1958 and an MSChE from Purdue University in 1960. He joined ExxonMobil Corporation immediately upon leaving graduate school in 1959, and spent his entire forty year business career with ExxonMobil, equally split between petroleum and chemicals. Dale worked in areas ranging from engineering support of manufacturing operations, project and business planning, line management, professional employee recruitment, supply and transportation, government relations, public policy development, corporate charitable contributions, project management, new business venture management, business line management, and technology management which afforded him the opportunity to travel and deal with people throughout North America, Europe, Asia, and the Middle East. He retired in 1999 as Vice President, Technology, ExxonMobil Chemical Company.

Dale has held numerous positions in churches, Little League, professional societies, and golf clubs. He served on Board of the Louisiana Arts and Sciences Center, the Board and as President of the Houston Area Urban League, Chairman of the Industrial Advisory Council to the Chemical Engineering Department and on the Engineering College Industrial Advisory Council at Iowa State University, and on the Board of Center for Innovation Management Studies at Lehigh University. He was the Board President of Property Owners' Association at Lake Livingston for several years and served on Stablewood POA Board since appointed in 2008. He is a Senior Member of AIChE and has presented and published five papers.

**Andrew E. Helms:** Andy is a 1953 BSChE graduate of Oklahoma State University and is a Senior Member of AIChE. Like many others, Andy participated in college ROTC and served his country in the US Army Corps of Engineers, achieving the rank of 1st Lieutenant, remained in the reserves for 22 years and retired as a Lt. Colonel. After serving in the Army he joined Union Carbide Corporation where he was employed for 43 years. Having reached the position of Production Manager, he spent his last years with UCC as a manager in the environmental area. Andy is a Senior Member of AIChE. He and his wife are the parents of six children and the proud grandparents of 10 grandchildren, and seven great grandchildren.

**Jerry M. Hensley:** Jerry is a January 1959 BSChE graduate of Texas Tech and served in the Army Reserve for six years in an Engineering and Construction company. He is a Senior Member of AIChE as well as a licensed professional engineer in Texas. At the age of 74, he is a recent retiree from Aker Solutions (AKA Aker Kvaerner, Kvaerner John Brown, and John Brown) having been employed there for 24 years and 4 months in Process Engineering with his last position being Process Manager. Prior to that Jerry worked for Fluor for 20 years in Process Engineering. He has worked on a large number of projects of various types including gas processing, petrochemicals, polymers, and oil and gas both on-shore and offshore.

## 2010 50 Year AIChE Membership Recognition - Continued

**Dexter Hill:** Dexter is a Senior Member of AIChE and earned his BSChE in 1960 from The University of Texas and his MSChE from Texas A&M University in 1966. He was first employed by Celanese at their Bishop, Texas plant which he left in 1968 to join Purvin & Gertz, Inc., an independent energy consulting firm. After consulting for a number of years Dexter decided a change in pace was in order so he joined Matthew Hall Engineer Company where he remained until 1985. He then joined Nippon Electronics Corporation where he remained until retirement in 2004. He then took a staff job at the University of Houston computer department until 2009.

Dexter and his wife are the proud parents of three children and even prouder grandparents of four grandchildren. While Dexter was with Celanese, he served as Chair of the Coastal Bend Section of AIChE.

**Eugene V. Holzer:** Gene earned his BSChE from the Polytechnic Institute of Brooklyn in 1952 where he served as the AIChE Student Chapter Treasurer. He comments that the Senior Design problem involved the design of a nuclear power plant using liquid sodium as the coolant which was fun and games. Gene is a Senior Member of AIChE.

After graduation he joined Lago Oil & Transport Co., Ltd in Aruba (Subsidiary of ESSO of Canada) as a Junior Engineer. However, the US Army had other plans and Gene served the US from 1953 to 1955, with the rank of corporal. Upon discharge he returned to **Lago which in the 1950's was the largest refinery in the world. He remained with Lago until 1974 when he joined Texas Eastern Gas Pipeline Co. where he remained with until 1989. In 1990, Gene joined Ventech Engineers, Inc. and he served as Project Manager, Chief Engineer, and Vice President before retiring in 1996.**

**Since retirement, Gene has found a career in stage productions. He says "Unbeknownst to my self or others, I have a talent for performing." Gene has acted in five separate performances in his community's theater group and is waiting for a call from Hollywood for his screen test.**

**Walter A. Inkofer:** Walt earned his BSChE from Iowa State University in 1958 and his MSChE from Illinois Institute of Technology in 1962. He is a Senior Member of AIChE and a Professional Engineer in the State of Texas. Walt is currently doing consulting work after working 22 years for Merichem/Merisol as a manager of various departments including Corporate Engineering, Maintenance & Plant Engineering, Operations, Production & Shipping, and Plant Manager of the Black Warrior Plant. Prior to joining Merichem/Merisol, he held similar positions with Goodyear at Bayport and Houston including 2 years in Le Havre, France.

Walt has written articles in CEP, Oil & Gas Journal, and a chapter in the book, Ammonia and has presented papers at AIChE and other organizational meetings.

**Robert P. Larkins:** Bob earned his BSChE and BA in 1956 from Rice University which was followed by an MSChE in 1959 and a PhD in Chemical Engineering from The University of Michigan. He is a Senior Member of AIChE. After graduation, he joined what is now Exxon/Mobil and worked in the fields of refining, chemical plant process design, corporate planning, synthetic fuels, and minerals. Bob retired from Exxon after 37 years as president of Exxon Coal and Minerals. Bob and his wife are the proud parents of two children and four exceptional grandchildren. His hobbies are photography, wood working, and choral singing.

**L. Waldo Leggett:** Waldo earned his BA and BSChE in May, 1958 from Rice University and is a Fellow of AIChE as well as a Registered Professional Engineer in the State of Texas. He concluded his military service as a Lieutenant in the US Navy Reserve. Waldo was employed by ExxonMobil Corporation for 37 years and served as Process Engineer, Section Head, and Department Head at the EUSA Baytown Refinery followed with stints with Esso Inter-America as a Senior Advisor and with Exxon Co. USA, in Houston as an Advisor, Engineering Associate, and Coordinator.

**Waldo's STS activities include serving as the 1963 ATM Chair, STS Director ('64 to '65), and the STS Chairman series from 1966 to 1968. Waldo received the 1966 STS Outstanding Young Member Award and the 1978 STS Distinguished Member Award. He is a founding member of the Fuels and Petrochemical Division (1966), served on the F&PD Technical Program Committees ('64-'68), F&PD Director (1966-68), and the F&PD Chairman series from 1967 to 1970.**

**Waldo was a member of AIChE's Long Range Planning Committee in 1966, General Arrangements Chairman of the 79th National Meeting & 8th Petrochemical & Petroleum Refining Exposition (Houston) in 1975, was Director from 1969-71, and was nominated for Vice-President in 1972 and 1974.**

Waldo and his wife are the proud parents of three children and even more proud of six grandchildren.

**Donald P. Sobocinski:** In 1952 Don earned his BSChE from the University of Oklahoma followed by a MSChE in 1956. He then went to the University of Kansas where he earned received his Ph. D. in Chemical Engineering. Don served in the US Army at White Sands Proving Grounds working on rocket propulsion systems and retired as a Lieutenant. He is a Senior Member of AIChE. After graduate school at Kansas, he joined Exxon/Mobil Production Research and worked on enhanced oil recovery methods, developed reservoir engineering technology (including presenting numerous lectures), and directed studies for the efficient development of and high gas/oil recoveries from reservoirs with the title of Research Advisor. While at Exxon, he served as a evening lecturer at the University of Tulsa and has consulted after retiring.

Don and his wife have been married over 50 years and are the proud parents of four children and nine wonderful grandchildren. He likes to play tennis, fish, hunt, world travel (much of this due to overseas work assignments), research and write about genealogy and history.



## Award Presentations from September and October Meetings



Group photo of the Class of 2010. From left to right the those in the photo are: Dale L. Fridley, Robert L. Alexander, Eugene V. Holzer, Dexter Hill, Walter A. Inkofer, L. Waldo Leggett (September Meeting).



2009 best Applied Paper Award. (Pasquali & Behabtu) (October Meeting).



Daniel T. Shiosaki 2009 Outstanding Young Professional Award (October Meeting).



Norman F. Carnahan 2009 Distinguished Service Award (October Meeting).

## From the Chair

October has been an exciting month for STS-AIChE. The AIChE Regional Process Technology Conference in Galveston was a vibrant experience with stimulating technical papers, interesting exhibits, and lively conversations. Nearly 400 people attended, and the exhibit hall was sold out. Thanks again to everyone who helped to make this event possible.

Our dinner meeting also served as the conference dinner, and it was great to have Hank Kohlbrand, AIChE's President, as our speaker. His talk on "The Future of Chemical Engineering" was both timely and challenging. The dinner meeting was also the first opportunity for our webcast team (Gary Gildert and Jay Chandrasekaran) to run their own webcast, and they did a great job. Thanks, Gary and Jay! The gremlins that disrupted the webcast from Aramco in September were soundly defeated, and we were joined online not only by our own satellite groups in The Woodlands and at Texas A&M University, but also by several other groups and individuals across the country – including some friends in Bakersfield, California! Webcasting was started to make our programming more accessible within STS-AIChE's territory. However it is a very flexible tool, and it allows STS to help local sections throughout AIChE by sharing our programming with a much larger audience.

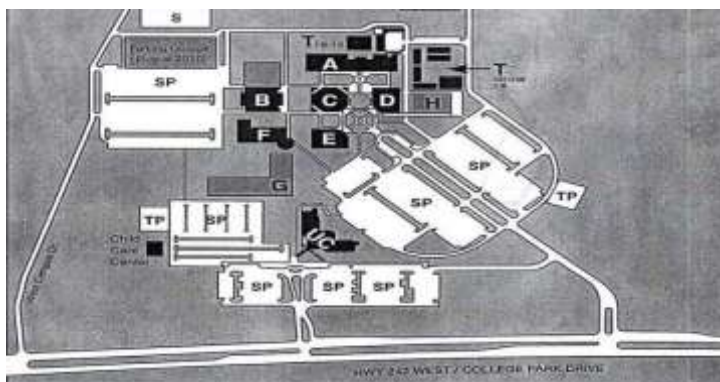
The next major thing on the STS-AIChE calendar is our election. You will find additional information about the ballot in this newsletter. However, I want to take this opportunity to thank all the candidates who have shown interest in serving STS-AIChE through elected office. The Executive Committee plays an essential role in the operation of our organization, and it requires a lot of effort from all its members to make it function well. Serving on the Executive Committee can be a lot of work – though I have also found it to be very satisfying and enjoyable, and it is a great way to expand your personal network in the chemical engineering community. Perhaps you would like to consider putting your name forward for the next ballot. If so, let me know.

The ballot also includes four proposed amendments to our bylaws. The Executive Committee, under the guidance of Chair-Elect Ken Cox, has spent a lot of time and effort reviewing the bylaws to see how they can be brought up to date, especially with respect to election protocols. The amendments also address the jurisdiction of STS-AIChE, and the consistency of the membership grades listed in our bylaws with those recognized by AIChE nationally. Adoption of amendments to the bylaws requires a two-thirds majority, with at least 10% of eligible members voting – so if you are eligible, please vote!

Best wishes,  
Alan Rossiter, Chair  
alan@rossiters.org

## North Houston Satellite Meeting Information

- ◆ Where : 3200 College Park Drive, Conroe (The Woodlands), TX 77384 (Building A Room A-102)
- ◆ When : Nov 4<sup>th</sup> from 7:00 pm to 9:15 pm.
- ◆ Large screen and pre-wired audio.
- ◆ Catered dinner: Deli sandwich, chips and a cookie.
- ◆ North Houston members can pre-register online at <http://sts.aiche.org/content/meeting-pre-registration> for only \$11.
- ◆ Networking hour at the Tailgator's Pub (8000 Highway 242 # 125 Conroe, TX 77385 ) at 6:00 PM.







## South Texas Section AIChE

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2010 Officers and Contact Information

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**Treasurer** Hiren Patani  
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### Volunteers

**Arrangements:** Richard Newman,  
David Silarski

**Membership:** David Silarski

**Young Professionals:** Kelly Richardson

**Awards:** Tom Menn

### SOUTH TEXAS SECTION MISSION STATEMENT

As a section of AIChE, we serve chemical engineering professionals in the South Texas region through education, professional development, and networking.

### Vision 2013

<<To be developed>>



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To update your information, log in, then select [Member Directory](#).

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Contact the New York office for PERMANENT ADDRESS CORRECTIONS:



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## The South Texan Newsletter Crew

WHAT DO YOU THINK OF THE NEWSLETTER? We want to know!

Contact us at [sts-newsletter@aiche.org](mailto:sts-newsletter@aiche.org) with comments, questions, suggestions, and ideas for next month.

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